vRSLCM REST Public API for 8.6.0

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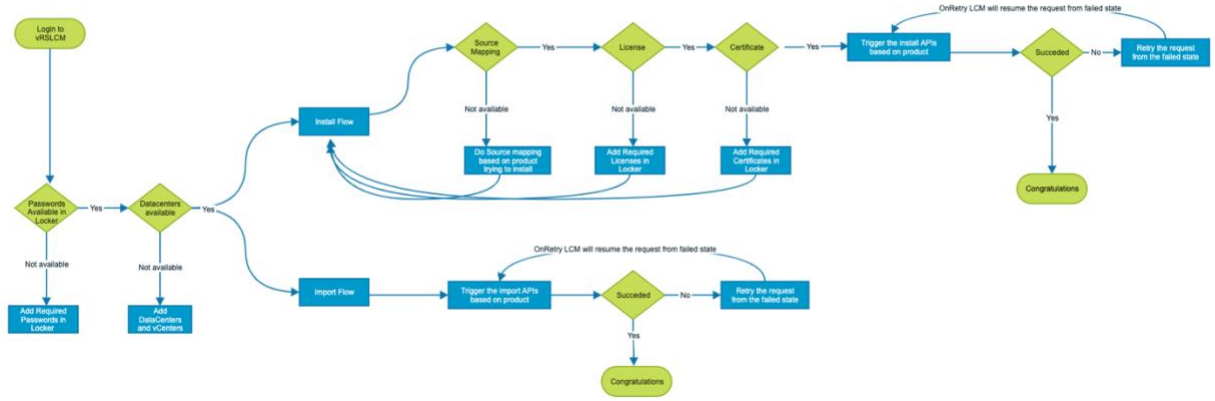
Documentation Disclaimers

The APIs published below are added as part of version 8.6.0

vRSLCM High Level Deployment Flow



vRSLCM REST API Introduction

This wiki describes about vRSLCM APIs. APIs are structured such a way that it's following typical UI flow. Each sectrion has a list of APIs and request and response payloads according to operations. vRLCM supports **application/json** as a media type.

As part of this first need to get a bearer token from vIDM by using vIDM API. SessionToken is the one which is going to be used as a bearer token.

Name	HTTP Method	Endpoint

Get bearer token	POST	https://<vIDM Hostname>/SAAS/API/1.0/REST/auth/system/login
		
		Request Body :
		
		{
		"username": "configadmin",
		"password": "VRLCM1!",
		"issueToken": "true"
		}
		
		Response Body :
		
		{
		
		"id": null,
		"sessionToken": "eyJ0eXAiOiJKkiOiJlYTY4ZW",
		"firstName": null,
		"lastName": null,
		"admin": false
		}

Authentication

vRSLCM APIs can be accessed either by local user (admin@local) or vIDM user. Both will use the Authorization HTTP header.

Local User based authentication

Local authentication uses **basic** Authorization header.

curl -H "Authorization: Basic <token>" -k https://<vRSLCM hostname>/lcm/lcops/api/settings/systemsettings

<vRSLCM hostname> : The hostname / IP of vRSLCM managing the vIDM cluster.
<token> : The Base64 encoded value of "username:password". Here username is 'admin@local', and password is admin@local user's password.

Example:

curl -H "Authorization: Basic YWRtaW5AbG9jYWw6Vk13YXJlMSE=" -k https://vrlcm.vrack.local/lcm/lcops/api/settings/systemsettings

vIDM based authentication

This authentication mechanism is preferred when vRSLCM is integrated with vIDM and user would like to access vRSLCM API's using vIDM based auth. vIDM based authentication involves two steps, 1) To get the toekn from vIDM and 2) To make vRSLCM API call with that token.

1. **Get vIDM Bearer token**

As part of this first need to get a bearer token from vIDM by using vIDM API. SessionToken is the one which is going to be used as a bearer token.

Name	**HTTP Method**	**Endpoint**

Get bearer token	POST	https://<vIDM Hostname>/SAAS/API/1.0/REST/auth/system/login
		
		Request Body :
		
		{
		"username": "configadmin",
		"password": "VRLCM1!",
		"issueToken": "true"
		}
		
		Response Body :
		
		{
		
		"id": null,
		"sessionToken": "eyJ0eXAiOiJKkiOiJlYTY4ZW",
		"firstName": null,
		"lastName": null,
		"admin": false
		}

2. **Perform vRSLCM API calls**

With the bearer(aka sessionToken) retrieved from the above step. We can call the vRSLCM APIs as below

curl -H "Authorization: Bearer <token>" -k https://vrlcm.vrack.local//lcm/lcops/api/settings/systemsettings

Example:

curl -k https://<vRSLCM hostname>/lcm/lcops/api/settings/systemsettings -H "Authorization: Bearer LTQ5OWEtYTk"

Locker Operation APIs

Locker Certificate Operation APIs

Name	HTTPMethod	Endpoint	Description

Generate a new Certificate	POST	/lcm/locker/api/v2/certificates
		Request body :
		{
		"alias": "cert2",
		"cN": "certificate2",
		"ip": [
		"10.196.15.13"
		],
		"host": [
		"*.sqa.local"
		],
		"oU": "vmware",
		"size": "2048",
		"o": "vmware",
		"l": "IN",
		"sT": "IN",
		"c": "IN",
		"validity" : 729
		}
		
		Response code : 200 OK
		Response body :
		{
		"alias": "cert2",
		"key": "-----BEGIN PRIVATE KEY-----
		\nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQCvFd+h7BHsGJ
		Iz\nXn5Ho/sLTUDIlJi9nxT2iTYmvYJK6DhzMGkJDM8lFSMYKfNFHAckOcfv4Mk3
		QB0q\nh/5HIVvw9dwVoMj+fjo4rxaT/fFVd+MIJjcTZiSqAY3IyPJlFmBSJw6bv6
		NqwvIP\nnzY00iOmo4lSkSO7h/eBEa6gIcP5CX47vBOdbGLxlqk8WEZZM0ZwGUrk
		PBqJrGN5\nts2LFcFCBzt8rd+0ylO60CjWx9HvyZ46dOjt0ZfmU0Z6OUvjLT4BO8
		dhRwcB3Epo\nP69rgk9SuO9U3RH0HniKI8g0grEREYNt5S3VejUefjh+r1D1CxYF
		/if4GtHeSNcE\nqg0G+XR5AgMBAAECggEAC/KQCsB9Vhk0o879SsX2t/YW90EFnb
		3s7Chfkrvwl8w6\nKukZJ8oRGhiTxx64uCTyG0+alETIck3cl6YFTOUKvToHwU2S
		HaSvNCZFggaMiP6n\n9krGTBt2oce+nT6SJOIGo2CBK5FjlUHViwmcJTVYQ7Mp6C
		GZmL7N3ce/PPPk57nY\nPBUeWrwZQ2o/cPuvIoGkMkUvXoNLx5uSh8ICqdzCojaX
		3WlRWA8AKMOesG4QeN/8\n7HKP0jj8ZxXJ2PSpIuISsYpx8zqeqUGz9NTubWHyxC
		xhsOm2vrgMoHZYlYZSM2pW\n+nKuPlQ2lTTElhvb8BO6Ia5Qqk1Di5x+eFbtyFxK
		QQKBgQDmxpoLM5r7zDABjAZO\nnJOIXq83rUSvxvXW6O5wrNEvS/DNgbZzMjVkgm
		smt499LPx1O9646DcqWTvPIMz1\nzTWaqCdUBPZVuQ3VkDndH9yViycCOotGjy20
		tTq69kqvU0ID5A7hERQsa0zx864q\nZXydoAlY81K1nOk/JsmWYBqSuQKBgQDCOP
		xQIi4x2C+hfG+kR3saKAhGFBpXHDFv\nj1s9XsFVImq3VmyJXFhJbZJ0g1a0UW7X
		cMYgwA5pDa9zlfx/q7J4ITlJjkU8XVCH\nsHPUH6YIMjhw3+/FM5gVCb2QxHBOon
		BNHKZ/bVdDV+ei9JCJJRTUjR0nFMG1Nb5a\n60jj2xgPwQKBgBT4KNkpuER2+km5
		sn0EJze1+s/hU6NxPbdodPoSCfP1P4084xo2\njrlyTFA5T7V9F/eDGCrPFuwnLZ
		MVlOok2mESNHii9ss1RHeKYmegVIfWHBZMwYkI\ny4tnCE4iwQiLVS1LVLrItX+P
		xG8byFCb5iXge9j0SyireFo/qQOb+e4pAoGBAI3g\nlt/quBgNNm4eumclGFX5HG
		Ik2UD9BVfbPulLyKrqI06eQVbuMEgjVLLsJnA+dFvI\ns9LEuUIgjyQ+Ul7pC8wZ
		aQHEfeskt2kHivVP0Td3iCdcToidseDcZq/T775hhuut\nnCrFstMs6bbuNI8amW
		bTVpJv5Tj8c3tzGKHqMF+BAoGAL1XhY0R2M3J2z4ZhwBu7\naZ4UAGMonU46obin
		31ffVvMyXh2tqu1B9OAbEBbmLvY1XANm4a+01NhNHyaahAd8\nPWaLgC9b/JFqUw
		4EvJvJimZbeAVk5Ts+TGHLsUmtRe2rBeKwyP+PuLPt/7htZMpK\nh/k5W4jOeIRS
		xoobxnPmf2Y=\n-----END PRIVATE KEY-----\n",
		"certChain": "-----BEGIN CERTIFICATE-----
		\nMIIDzzCCAregAwIBAgIGAXON0+g/MA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA
		MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP
			This API is used to generate a new certificate.
			
			Field descriptions:
			
			alias - Alias for the certificate
			
			c - Country Code
			
			cN - Common Name
			
			ip - IP

		MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjcwMTEyMjFaFw 0yMjA3\nMjcwMTEyMjFaMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA1UECwwGdm13 YXJlMQ8w\nDQYDVQQKDAZ2bXdhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQIDAJJTj ELMAkGA1UE\nBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCv Fd+h7BHsGJIz\nXn5Ho/sLTUDIlJi9nxT2iTYmvYJK6DhzMGkJDM8lFSMYKfNFHA ckOcfv4Mk3QB0q\nh/5HIVvw9dwVoMj+fjo4rxaT/fFVd+MIJjcTZiSqAY3IyPJl FmBSJw6bv6NqwvIP\nnzY00iOmo4lSkSO7h/eBEa6gIcP5CX47vBOdbGLxlqk8WE ZZM0ZwGUrkPBqJrGN5\nts2LFcFCBzt8rd+0ylO60CjWx9HvyZ46dOjt0ZfmU0Z6 OUvjLT4BO8dhRwcB3Epo\nP69rgk9SuO9U3RH0HniKI8g0grEREYNt5S3VejUefj h+r1D1CxYF/if4GtHeSNcE\nqg0G+XR5AgMBAAGjgaEwgZ4wHQYDVR0OBBYEFBSg DoV/jZ4ps8Og1UYw1slDl79X\nMB8GA1UdIwQYMBaAFH3ByevtTx1c8uvqnjvv4y qZyWrMMBwGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQE AwIFoDAgBgNVHSUBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQ H/BAIwADANBgkqhkiG9w0BAQsFAAOC\nAQEAhlOOEjC7Mby68ZfcKKf06EvUEDJp FrbQILh/gziz62poX7ROGS91yNdjWYYD\nioPq/5Qkr54mpXCM6kh+LZOEXsQxTB twn66/qR4z/kAKyDgrPEB9fjq39DCVg5kf\neEecIcIf6XsUiL2LAbo0nc9Rm3zs 6t7tFqOUYhVEzNTUApzHFYzSZdkO7Pudozg2\nGVnXEC4vDo36cVunUom+jpdlU1 3JHyrZMp591bsBb5irfOmQefYh904OWJ/BOMAN\nUPIIgyjrFkZoYkchq9eeOpPG ZLsvjQZemQUD+bg5E1eirKrcZQSaAYvUvGxMjT9O\nDXKlrJYzPF1s/wCZbLpZFP FyHQ==\n-----END CERTIFICATE-----\n-----BEGIN CERTIFICATE----- \nMIIDiTCCAnGgAwIBAgIGAXNHiB6cMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MTMwOTM2MDlaFw 0zMDA3\nMTEwOTM2MDlaMFMxMzAxBgNVBAMMKnZSZWFsaXplIFN1aXRlIExpZmVj eWNsZSBN\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1UECgwGVk13YXJlMQswCQYDVQ QGEwJJTjCC\nASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOPn0pF8f2RQ caLr6WoxbatL\nv1bm9ksE0U3QQnTeLgnHwdE97CkDWdDh1Zlx30JkDntSqx3eJe um5zvJ6RBzEIBa\noTA48Hw8MnEvucTsZN1/tAAwbmbwiT4VuojvoQQkoKxprqJT B8NTpWmpJj8pg9eJ\ndnlJ0SASp8k9BKN38O/L9gejSpqwbr8DA7VzR3wW3lhxci azEiJ2MTf0by8eBCnA\nyvVgHVL3092nNTrdPVtcpEnIU/g6Day8dmvCqza/w8fv zeDLW4AT3jn5uug7S+tL\ngx8N9+sVyxKEDMymjxE8npAUAvRSuHNDFTMgEkYIsG xcl3Th1Qo1CXJwBEmOiasC\nAwEAAaNjMGEwHQYDVR0OBBYEFH3ByevtTx1c8uvq njvv4yqZyWrMMB8GA1UdIwQY\nMBaAFH3ByevtTx1c8uvqnjvv4yqZyWrMMA8GA1 UdEwEB/wQFMAMBAf8wDgYDVR0P\nAQH/BAQDAgGGMA0GCSqGSIb3DQEBCwUAA4IB AQCfx7KWiWiHmhi/2Fd/5UYQOZ1k\ng1qGEp8KV0E7JwV8WHsTHogIDnLuanj5rY BCTP5PHrU29qgOrxqn9Zy7vMvF/MFF\nMlLOgei8sloSeUpKLOdfqUwojRo7WGVZ NKd7AaJc7R+zmzcql+xGmb4nJVx+fEgU\nMCoSicaYoLTyXMili3WcNAkRSQgdhE 743vhu674aXQrCbDg/AFTuwNin4SwrLjQK\npVcUO6RiwkVAJ3Y4RtFrqz5rwR9S ZD3U/3bqrIzqajuKuSbqZl5uizH3L5in8r9r\nfddXMQbK+b3A7v3AaJemFDm/hO Egm50p5jh0TZC92E/qI3vFyC7FMkHaRGm6\n-----END CERTIFICATE----- \n", "leafCert": "-----BEGIN CERTIFICATE----- \nMIIDzzCCAregAwIBAgIGAXON0+g/MA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjcwMTEyMjFaFw 0yMjA3\nMjcwMTEyMjFaMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA1UECwwGdm13 YXJlMQ8w\nDQYDVQQKDAZ2bXdhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQIDAJJTj ELMAkGA1UE\nBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCv Fd+h7BHsGJIz\nXn5Ho/sLTUDIlJi9nxT2iTYmvYJK6DhzMGkJDM8lFSMYKfNFHA ckOcfv4Mk3QB0q\nh/5HIVvw9dwVoMj+fjo4rxaT/fFVd+MIJjcTZiSqAY3IyPJl FmBSJw6bv6NqwvIP\nnzY00iOmo4lSkSO7h/eBEa6gIcP5CX47vBOdbGLxlqk8WE ZZM0ZwGUrkPBqJrGN5\nts2LFcFCBzt8rd+0ylO60CjWx9HvyZ46dOjt0ZfmU0Z6 OUvjLT4BO8dhRwcB3Epo\nP69rgk9SuO9U3RH0HniKI8g0grEREYNt5S3VejUefj h+r1D1CxYF/if4GtHeSNcE\nqg0G+XR5AgMBAAGjgaEwgZ4wHQYDVR0OBBYEFBSg DoV/jZ4ps8Og1UYw1slDl79X\nMB8GA1UdIwQYMBaAFH3ByevtTx1c8uvqnjvv4y qZyWrMMBwGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQE	Addresses host-Server Domain/Hostname oU - Organizational Unit size - Key Length (Either 2048 or 4096 bits) o - Organization l - Locality

		AwIFoDAgBgNVHSUBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQ
		H/BAIwADANBgkqhkiG9w0BAQsFAAOC\nAQEAhlOOEjC7Mby68ZfcKKf06EvUEDJp
		FrbQILh/gziz62poX7ROGS91yNdjWYYD\nioPq/5Qkr54mpXCM6kh+LZOEXsQxTB
		twn66/qR4z/kAKyDgrPEB9fjq39DCVg5kf\neEecIcIf6XsUiL2LAbo0nc9Rm3zs
		6t7tFqOUYhVEzNTUApzHFYzSZdkO7Pudozg2\nGVnXEC4vDo36cVunUom+jpdlU1
		3JHyrZMp591bsBb5irfOmQefYh904OWJ/BOMAN\nUPIIgyjrFkZoYkchq9eeOpPG
		ZLsvjQZemQUD+bg5E1eirKrcZQSaAYvUvGxMjT9O\nDXKlrJYzPF1s/wCZbLpZFP
		FyHQ==\n-----END CERTIFICATE-----\n",
		"validations": [],
		"validity": {
		"period": "1 year, 11 months and 29 days",
		"expiresOn": "2022-07-27T01:12:21.000+0000",
		"issuedOn": "2020-07-27T01:12:21.000+0000",
		"healthy": true
		},
		"certInfo": {
		"subject": "C=IN, ST=IN, L=IN, O=vmware, OU=vmware,
		CN=vmware",
		"issuer": "C=IN, O=VMware, CN=vRealize Suite Lifecycle
		Manager Locker CA",
		"san": "IP: 10.196.15.13, DNS: *.sqa.local",
		"algorithm": "SHA256WITHRSA",
		"keyAlgorithm": "RSA",
		"keyLength": 2048,
		"sha256":
		"a37c439d28a9ca6880182f3ed4de4fb7586eb5effe912a0224b28bf70a3a5f8
		3",
		"sha1": "4ff3bb2d67dbd81d98001294b562ae1cf2060fe0"
		}
		}
			sT - State
			
			validity - Validity of the certificate. (more than 15 days)

Delete a Certificate	DELETE	/lcm/locker/api/v2/certificates/{vmid} Request parameter : vmid : bee2f5de-7b3f-407f-a8c4-22a9220e077f Response code : 200 OK Response body : { "certChain": "-----BEGIN CERTIFICATE----- \nMIIDzzCCAregAwIBAgIGAXON2rrTMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjcwMTE5NDhaFw 0yMjA3\nMjcwMTE5NDhaMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA1UECwwGdm13 YXJlMQ8w\nDQYDVQQKDAZ2bXdhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQIDAJJTj ELMAkGA1UE\nBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCj 4AcR4nEGFX07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1 y4Tw7puJDaCHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7Kc gKbCnXnZFORk7BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSIz jDCnpXtA4bAoGYZMhl\nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGEipo9Rzb3o9 fRAQ2h6yIew0ClXic7eN\nxVWpMBkdscQBufDKXAJ00ugAF36thWG+rAL05P/4iW LVGLWG00o48O/sh44qVYFU\nUmw/YU3rAgMBAAGjgaEwgZ4wHQYDVR0OBBYEFMKg idsQyZNHdWfQunuH1tN+klM7\nMB8GA1UdIwQYMBaAFH3ByevtTx1c8uvqnjvv4y qZyWrMMBwGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQE AwIFoDAgBgNVHSUBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQ H/BAIwADANBgkqhkiG9w0BAQsFAAOC\nAQEAqujRcuXVQhYYcrLvs2ddWDjMlhb4 N5sDFTaQGBQSc5neIpBxcTNCoukRJh7R\nAamIxMSVgOIupMa1mA/FDYqdd1uC7h UeIScYo3JxKpmd7iuHik8t3WKenTlXCE7T\nOOGHDrZ7ta51pq3sXdHtyN1Ovypn zYYsSN3APXP9VX71R1RL2YKl8DfdBkSaerfT\nwawhmeZwQnOPvGJZCqMqVxgOzV b7rZqmMq7aFNZ1uzhu022zsb60CpfqaobHo0fj\neajCueMj38MQDhoeMQiooYwD L4PGgWizgiBX1N5cP996OJTyU2no//TBszq9Wp1M\nly1KbWOlGL/14KD3cGKn85 L8QA==\n-----END CERTIFICATE-----\n-----BEGIN CERTIFICATE----- \nMIIDiTCCAnGgAwIBAgIGAXNHiB6cMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MTMwOTM2MDlaFw 0zMDA3\nMTEwOTM2MDlaMFMxMzAxBgNVBAMMKnZSZWFsaXplIFN1aXRlIExpZmVj eWNsZSBN\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1UECgwGVk13YXJlMQswCQYDVQ QGEwJJTjCC\nASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOPn0pF8f2RQ caLr6WoxbatL\nv1bm9ksE0U3QQnTeLgnHwdE97CkDWdDh1Zlx30JkDntSqx3eJe um5zvJ6RBzEIBa\noTA48Hw8MnEvucTsZN1/tAAwbmbwiT4VuojvoQQkoKxprqJT B8NTpWmpJj8pg9eJ\ndnlJ0SASp8k9BKN38O/L9gejSpqwbr8DA7VzR3wW3lhxci azEiJ2MTf0by8eBCnA\nyvVgHVL3092nNTrdPVtcpEnIU/g6Day8dmvCqza/w8fv zeDLW4AT3jn5uug7S+tL\ngx8N9+sVyxKEDMymjxE8npAUAvRSuHNDFTMgEkYIsG xcl3Th1Qo1CXJwBEmOiasC\nAwEAAaNjMGEwHQYDVR0OBBYEFH3ByevtTx1c8uvq njvv4yqZyWrMMB8GA1UdIwQY\nMBaAFH3ByevtTx1c8uvqnjvv4yqZyWrMMA8GA1 UdEwEB/wQFMAMBAf8wDgYDVR0P\nAQH/BAQDAgGGMA0GCSqGSIb3DQEBCwUAA4IB AQCfx7KWiWiHmhi/2Fd/5UYQOZ1k\ng1qGEp8KV0E7JwV8WHsTHogIDnLuanj5rY BCTP5PHrU29qgOrxqn9Zy7vMvF/MFF\nMlLOgei8sloSeUpKLOdfqUwojRo7WGVZ NKd7AaJc7R+zmzcql+xGmb4nJVx+fEgU\nMCoSicaYoLTyXMili3WcNAkRSQgdhE 743vhu674aXQrCbDg/AFTuwNin4SwrLjQK\npVcUO6RiwkVAJ3Y4RtFrqz5rwR9S ZD3U/3bqrIzqajuKuSbqZl5uizH3L5in8r9r\nfddXMQbK+b3A7v3AaJemFDm/hO Egm50p5jh0TZC92E/qI3vFyC7FMkHaRGm6\n-----END CERTIFICATE----- \n", "key": "-----BEGIN PRIVATE KEY----- \nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQCj4AcR4nEGFX 07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1y4Tw7puJDa CHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7KcgKbCnXnZFO	This API is used to delete an already existing certificate.

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Get a Certificate by ID	GET	/lcm/locker/api/v2/certificates/{vmid} Request parameter: vmid : 12b9c4a6-dd2d-4cf9-a3ad-2cf55ff12724 Response code : 200 OK Response body : { "vmid": "12b9c4a6-dd2d-4cf9-a3ad-2cf55ff12724", "alias": "lcm-cicd-cert", "key": "PRIVATE KEY****", "certChain": "-----BEGIN CERTIFICATE----- \nMIID2DCCAsCgAwIBAgIGAXOBPUIcMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjQxNDMyMjJaFw 0yMjA3\nMjQxNDMyMjJaMGkxEjAQBgNVBAMMCXNxYS5sb2NhbDENMAsGA1UECwwE Q01CVTEP\nMA0GA1UECgwGVk13YXJlMRIwEAYDVQQHDAlCYW5nYWxvcmUxEjAQBg NVBAgMCUth\ncm5hdGFrYTELMAkGA1UEBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUA A4IBDwAwggEK\nAoIBAQDNOfQBfxwWDuYCK7xYUvnIo0Ml/5j+ckhZSU01BPE/Bw vhI6AhTGvHQHwn\nDsmgl1X3EZ6Cbg19gwbXWI+DpL3Rl7S/mp5qILu3SHjnywur V5yn/MIuxHfpqAQv\niQuELfO9flTdrt82Y9HwktqCK3E9IgvuW3EBEDFmqZ0T2x FnC+MXX0UUZPo+nF08\nfu7ayQpHKfTsde/u835oD25rMCKcAg4YzWYVCAkhFIk6 L3e7m+BuOeizMZTO1WF+\nw+u6xQZrkX0XKgW2mpMcbvIb97+4abgooy+zTKvvTz hsR+bnjD9rxxmA3xPll+pL\nez0TJ4H3ucKzVyQkzq7eFiHZWW+xAgMBAAGjgZsw gZgwHQYDVR0OBBYEFPs0MMkI\n53l8Nywjr7SLMEaETBwrMB8GA1UdIwQYMBaAFL A1FiCK7P3TSk/+AGzC2v83jRXR\nMBYGA1UdEQQPMA2CCyouc3FhLmxvY2FsMA4G A1UdDwEB/wQEAwIFoDAgBgNVHSUB\nAf8EFjAUBggrBgEFBQcDAgYIKwYBBQUHAw EwDAYDVR0TAQH/BAIwADANBgkqhkiG\n9w0BAQsFAAOCAQEANmyfda6mzwjt2YmZ RcKZxsiir1uirQMUnVuMzB6jT2l70ioJ\n+qtHUE2tkmdkTtxDuOCKupjrp4W+9m A5IHfFKajW6/IuF75LUElFAgzuA/6N1aHJ\nR7IOoEtl8CpGV8nUTqhNWZkL68E7 H3ccCCcS4v7btrJIOgJuGsBHFtNSWZXVjcaq\nerghRo4XMxTEV0A6BTnrCgQEcS GT3UCjJZTGYVMrzF1EwfLV7cDetNI32OaQQKV3\naGxTC+vr2SpUAztTUsMcX2ao NFC9mRNtbcWCvk8Hfp2obA8CjdN5WrXVV2eaXETf\nHZ8bYPqB6Zba1eG4Qe1g4F 88G3IHnSmBt2ubMA==\n-----END CERTIFICATE-----\n-----BEGIN CERTIFICATE----- \nMIIDiTCCAnGgAwIBAgIGAXOBJpZGMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjQxNDA3MzZaFw 0zMDA3\nMjIxNDA3MzZaMFMxMzAxBgNVBAMMKnZSZWFsaXplIFN1aXRlIExpZmVj eWNsZSBN\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1UECgwGVk13YXJlMQswCQYDVQ QGEwJJTjCC\nASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAIzPyloBEwcx Iow3tSEu8AbR\nGRKa9gppt0SRwERuktIjVUIYYyhK2Aioq+Rg13Hfrvd7aNM8Ms jlaDYNlTE7MWLf\ntO4Dla7oK9p1MU9f5w1fxSb0zjl4epp8sHetlTVPaEzwALrC QzUheap1+bMNos25\nlw+IK4ksWLeqS6+TxvZJh2Ncy6uDKiagpzYtChHuV0rbGy qwq70mAld9M/PAjTIb\n5oG5ccA7Mit6EzoaT2cBP9cBRwLAWWfmzoEFUnD0qIfw lsKOSNPju68MDq6Wl+cP\nLhlgg7/anDSV3wxKqT6gFzc2L8DiFU40EFBFvrib3x WSv6H064WqESHE6YcgB6kC\nAwEAAaNjMGEwHQYDVR0OBBYEFLA1FiCK7P3TSk/+ AGzC2v83jRXRMB8GA1UdIwQY\nMBaAFLA1FiCK7P3TSk/+AGzC2v83jRXRMA8GA1 UdEwEB/wQFMAMBAf8wDgYDVR0P\nAQH/BAQDAgGGMA0GCSqGSIb3DQEBCwUAA4IB AQBxRb/nuLiiI/dmEuzSpESQ6hEM\n3KsWwt8SAkvgQCqOsfTnZANjWg+4QWggBq 1pezkh/l1N7SD3w8wACrvqZGsBXZek\nV7E4d8g/ruxbm7VAKArqTFaFbba9iWcB UsTb8TNUdPEbZ38PBDdKNc8nKU4egnSx\nv6FPuVmJBq7+qjFxMfGWw2Q8e3Wty6 t9bsA7VKijZWsgcVhghnKZYfUW8q0BPqwM\nyI8Z09yipWCjIoo2YIuGm5WD1N+0	This API is used to delete a certificate by ID.

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    "keyLength": 2048,
    "sha256":
"ee3fab6a7facbc7c5ba0bc6429df4751cc7052d4d43a4e4051fbad950acea64
1",
    "sha1": "16a46371426060115a9fd2a58c53a5c18a591b5c"
  }
}
```

Creates CSR with a Key	POST	/lcm/locker/api/v2/certificates/csr
		CSR generation
		Request body : "csrEntity"
		
		{
		"c": "certificate1",
		"cN": "certificate1",
		"ip": [
		"10.196.57.68"
		],
		"host": [
		"*.sqa.local"
		],
		"oU": "vmware",
		"size": "2048",
		"o": "vmware",
		"l": "IN",
		"sT": "IN",
		"c": "IN"
		}
		
		Response code : 200 OK
		Response Body :
		
		-----BEGIN CERTIFICATE REQUEST-----
		MIIDDjCCAfYCAQAwWjEPMA0GA1UEAwwGdm13YXJlMQ8wDQYDVQQLDAZ2bXdhcmUx
		DzANBgNVBAoMBnZtd2FyZTELMAkGA1UEBwwCSU4xCzAJBgNVBAgMAklOMQswCQYD
		VQQGEwJJTjCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOC2a8KUCkAq
		/VyKjqUFTITleAq/4hfwH7FYFgR8qCVUWW8HFMAwxpA3oN3AsSu5kFBnvSpbNwgr
		lSCqJw7vjikjsTwLGTx75PnJqhP/Bni2nNM60lzp4BHYEfZq/8D8MMnIBpxmEqjz
		QzrfsbRBvLlm/F2Q40oPzqsd69E2VcKUscf89tBzbVomN2nV8s5rmgpuugJnrEBc
		Z7bKJwj1N9doIQ95hL66suXawGXLxJ7oZufx4omnNQX39yO+N1IYBuh98GTBmhFy
		OWYs2hbNyPgAYy4n4D6MgG6bWR4JggARbN+kNk9UWwyDfkRaI9TvkEmk/Xe+YRaU
		OT6QD837DaUCAwEAAaBvMG0GCSqGSIb3DQEJDjFgMF4wHAYDVR0RBBUwE4cECsQP
		DYILKi5zcWEubG9jYWwwDgYDVR0PAQH/BAQDAgWgMCAGA1UdJQEB/wQWMBQGCCsG
		AQUFBwMCBggrBgEFBQcDATAMBgNVHRMBAf8EAjAAMA0GCSqGSIb3DQEBCwUAA4IB
		AQCfweR4kRjf967biqs7bNPyr+rlWLDUtRwuNpCNfhf0YtijYhKRXIdGXomzE8e8
		T6hK5812kEzp12X7IAZm77IgUQfVI5FGC1wmsHl+eH/f7/lqQh11XFyv/OWjRzqw
		6/ZhbENDgS9L2i1sZdTW1mTF0KV8r/jC86E7W2Hju135KmARk+ND1+N79PnevhFi
		tNBjeVS5wI2Jk3P+zoFqz6GrqxXBx/W2vQU32xuHskjlWzUQI+GqMnRn5lgTvtUe
		h2xh11rybPWJ9hJYK6tWaZ7uGcpFck1LhK26qOJzNp+mRFQ48BDyokTtDwP4rsRN
		jDzWJUDVap7uNdOHBDZeZcYY
		-----END CERTIFICATE REQUEST-----
		-----BEGIN PRIVATE KEY-----
		MIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQDgtmvClApAKv1c
		io6lBUyE5XgKv+IX8B+xWBYEfKglVFlvBxTAMMaQN6DdwLEruZBQZ70qWzcIK5Ug
		qicO744pI7E8Cxk8e+T5yaoT/wZ4tpzTOtJc6eAR2BH2av/A/DDJyAacZhKo80M6
		37G0Qby5ZvxdkONKD86rHevRNlXClLHH/PbQc21aJjdp1fLOa5oKbroCZ6xAXGe2
		yicI9TfXaCEPeYS+urLl2sBly8Se6Gbn8eKJpzUF9/cjvjdSGAboffBkwZoRcjlm
		LNoWzcj4AGMuJ+A+jIBum1keCYIAEWzfpDZPVFsMg35EWiPU75BJpP13vmEWlDk+
		kA/N+w2lAgMBAAECggEABIf5JUvJ5yBWyopqtO4l7FoaMRFMdFIduXw+uWlwFIye
		XwxEAVoabucIQeB0Uh7kR5LH8DY1pl8Gm0mDDxyKf87d8ImCwUL4S4ci/FM8pKt9
		/w5lFoWKxKFYP2FJ9fC/5Rm49Gdkge6h0OqY0TswHIb0mMhmpOQrtSydyDKxyQIf
		5MMoxR3xDfozLJZ7hN5l7gGX1SenbfOeaAxA/oGpMqkJ8qW2SUJ9mX9r5IJgxl0b
		bMR33hn5hBjcz4hOuByZxvm0zzrfMr0HRmqdMZJAgkHfSh9QbXWO5We7dW6QMMH7
			This API is used to create a Certificate Signing Request (CSR).

		s8X64NyZ+o3I5i6ffDS60GHmiS8EZRA2eLQZ5hRCswKBgQD1Onz+nNnG1/nGwCEQ j/qDd+4xL/W8RE4jJoNrQ9F5jhlCw+QysgZ9ymzOe59PN8ZyZS1zV9QZLLz0yNNK L6ky0fjhesUE6Zx9NGxkxi04Q6bZcW5Ag1aRiDQCxaRNoAVeTZWFQPLDPRJtQrlH rrmUBgqRc0zY8f2NwT/BwexljwKBgQDqlT0IhG/e5YCU7fZXFd+k4KnT7+SaVxgs zPnqZ+48uQnJVmaM2VCQ7q0eYwCGsaP7ULYrees0PkdUBzVECIJqZj0JTvnibaB1 sPMw/jXPd70ZxL6N2y1XOZTKcrylJ4tWlZsb036VvwV26LssYdWz/C0VT8o9ctSO cqUiVBcHiwKBgQDncoJSVHt+Ho1Rtjf+x8TqnCClL9zACb+tkUXr0SA9l43j47rW 1gsmYgz7fNXJEJ0tjqys9jHqaL0WUwyIMh+BJYe+V/7nOg1GZln/asN3HPK2u0YR gWQNCv37t8nwsZ0feh4qnDgDaPqhQJ5aN2BTgrgquyXGg+6JAeFI39xbpQKBgFN4 tzcIqSYPVCmqYzWpuuLYbpXTjuy8gQWwCl22jbddwHW8INGNonVv+HoPkGhdXZRX q/rcby0v3AGybum+fWmO57kgORqxF5/JTz/ntQ4V9Vvt/kBL9V5MRv2ixi2eXJ56 ra7BGxH93tvpBHFOftSEryYeNkCXU7s8YDZO5cLxAoGANYg3n86b6s8ncWom5EC5 Puyj88dBCpatDpFZHilJk5me/4NxELr8caDNw2MiumXGzsDCGBWg9Ro2Z91TCtI5 Yvso46KTAWpHoNKihMpjIlr5XSb9SfjnNgj0rHYhO+scOGVnvJwFMfj+RNN8k8uQ JcXyGyWthkoN8lNcAgBoil8= -----END PRIVATE KEY-----	

List Paginated Certificates	GET	/lcm/locker/api/v2/certificates
		Request parameters :
		size : 10
		from : 1
		aliasQuery : cert2
		
		Response code : 200 OK
		Response body :
		{
		"page": 0,
		"total": 1,
		"certificates": [
		{
		"vmid": "6246ef46-ad30-4470-b7b1-e202c89fa6ba",
		"subject": "C=IN, ST=IN, L=IN, O=vmware, OU=vmware, CN=vmware",
		"issuer": "C=IN, O=VMware, CN=vRealize Suite Lifecycle Manager Locker CA",
		"algorithm": "SHA256WITHRSA",
		"sha1": "4170ceb21de45b3a8edeab707b7b9fc1d68052bb",
		"alias": "cert2",
		"healthy": true
		}
		]
		}
			This API is used to list the paginated certificates.

Import an Already Existing Certificate	POST	/lcm/locker/api/v2/certificates/import Request body : "importRequestDTO" { "alias": "cert2", "privateKey": "-----BEGIN PRIVATE KEY----- \nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQCj4AcR4nEGFX 07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1y4Tw7puJDa CHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7KcgKbCnXnZFO Rk7BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSIzjDCnpXtA4b AoGYZMhl\nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGEipo9Rzb3o9fRAQ2h6yIe w0ClXic7eN\nxVWpMBkdscQBufDKXAJ00ugAF36thWG+rAL05P/4iWLVGLWG00o4 8O/sh44qVYFU\nUmw/YU3rAgMBAAECggEAAKh1zs6+eRxH+vV3qZYnP/2A9Od6Vq LINhWY9nHKfsEg\nxve2JEXtIrt5P/XUJqXUSFHaSPpP6+2MbbsAV6jlPnOf9ptv J7XuEf9v5nuYCjBi\niLGh8LvtWamesRPqTIeVuS1XCmtI5CuF23s5/MsFqSLWmR 9Z2IGhcBpIFmzf6mT0\nuLlJ5UhzD7nNGeHnGoBEqqAfVom1UhdNCIhEOAp+CLZ1 qBbgFDnA63Rb7nGi2Opx\nP6OkCLXflGP0KP+jF0THT0r1lami+a4AJQzhFcXlYJ KKrwjz4erPZCxVLaCc9Aob\nblMZcd08MP4ML73IYLrE5SkJhJE00vc2TSR5D+Te FQKBgQDnRgjxPDXA96ZNGwPC\nIO5gyit85guTHi2XcMlq3i6jL3lbcspuGt+3X3 wVXB6+2sRe1p3yTNmIWuvbmJXX\na3PERphY/0Qs9Y8ZIFGpk88XvJ6dSpAdXd7N /XqVh7v3W1UNI/uhja7bNVb9vj2K\n/UqpxedEfkOQjq16uWm2WN3CvQKBgQC1ZU tmJLfxtdboO9yEq3nPE9GPbf0RXjYY\n9b1iULPTUc6cHDv1CGX1/M2H5oC6hWFD KA+mmTEg4A+mJf3+iKsE6MM/6ndkxGJw\nVW8APe3pFzkqC6lWtjtntwFnbGajDw JQnhBsI5ddxbh2eutDVLL7okhm6UPFqy93\nlm1LWYfxxwKBgQDJ/aIbx6GPKvzF RT3wFED+qjR3PpiHYokhRnG0c985yWHt3AEv\nTytrheri4PU9beaqijmjATnQ3N A4mDjuz7tphtrSiAhsWAAmStLoD9+E9Ml3yUK7\nU1wgfy3MYaNqtAtBkdbZT9yT OjADKF+p//Vw+Bc3/CtYmzSrBjts9oqg5QKBgQCo\nMiSXsbReC54Z+GehHN71hA rsU7A0Soce3b2dS/dyGojZd9SggAkK7j4lpTX3vXVS\nL/NTJvjG4vufs9qwCUmK Y8mnmmDarr4YKx+hucrANyhqNCXwoUi0ApzqqTkCOQiM\neAQCQX45FPzV32QGKq NLcE5yHhkZUIHTAUiWdY34QQKBgCar2ZxEUn7eXqzu1hb+\nhV3rGYYU0IiMp0lf hzHsdCu/E+oUlVypsgahmLSRzkY8arb2u4Ao2vf+qtZvd2O1\n74BOKtClR4/gSH dleM1D4eRBwjQyquS8wmS7nh3XbJGYvNqetvZ66FFAKXRXnLlg\nv88cSS1uhynU fPSzjb1+wDa5\n-----END PRIVATE KEY-----\n", "certificateChain": "-----BEGIN CERTIFICATE----- \nMIIDzzCCAregAwIBAgIGAXON2rrTMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjcwMTE5NDhaFw 0yMjA3\nMjcwMTE5NDhaMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA1UECwwGdm13 YXJlMQ8w\nDQYDVQQKDAZ2bXdhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQIDAJJTj ELMAkGA1UE\nBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCj 4AcR4nEGFX07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1 y4Tw7puJDaCHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7Kc gKbCnXnZFORk7BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSIz jDCnpXtA4bAoGYZMhl\nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGEipo9Rzb3o9 fRAQ2h6yIew0ClXic7eN\nxVWpMBkdscQBufDKXAJ00ugAF36thWG+rAL05P/4iW LVGLWG00o48O/sh44qVYFU\nUmw/YU3rAgMBAAGjgaEwgZ4wHQYDVR0OBBYEFMKg idsQyZNHdWfQunuH1tN+klM7\nMB8GA1UdIwQYMBaAFH3ByevtTx1c8uvqnjvv4y qZyWrMMBwGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQE AwIFoDAgBgNVHSUBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQ H/BAIwADANBgkqhkiG9w0BAQsFAAOC\nAQEAqujRcuXVQhYYcrLvs2ddWDjMlhb4 N5sDFTaQGBQSc5neIpBxcTNCoukRJh7R\nAamIxMSVgOIupMa1mA/FDYqdd1uC7h UeIScYo3JxKpmd7iuHik8t3WKenTlXCE7T\nOOGHDrZ7ta51pq3sXdHtyN1Ovypn zYYsSN3APXP9VX71R1RL2YKl8DfdBkSaerfT\nwawhmeZwQnOPvGJZCqMqVxgOzV b7rZqmMq7aFNZ1uzhu022zsb60CpfqaobHo0fj\neajCueMj38MQDhoeMQiooYwD L4PGgWizgiBX1N5cP996OJTyU2no//TBszq9Wp1M\nly1KbWOlGL/14KD3cGKn85 L8QA==\n-----END CERTIFICATE-----\n-----BEGIN CERTIFICATE----- \nMIIDiTCCAnGgAwIBAgIGAXNHiB6cMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA	This API is used to import an already existing certificate.

MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP
MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MTMwOTM2MDlaFw
0zMDA3\nMTEwOTM2MDlaMFMxMzAxBgNVBAMMKnZSZWFsaXplIFN1aXRlIExpZmVj
eWNsZSBN\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1UECgwGVk13YXJlMQswCQYDVQ
QGEwJJTjCC\nASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOPn0pF8f2RQ
caLr6WoxbatL\nv1bm9ksE0U3QQnTeLgnHwdE97CkDWdDh1Zlx30JkDntSqx3eJe
um5zvJ6RBzEIBa\noTA48Hw8MnEvucTsZN1/tAAwbmbwiT4VuojvoQQkoKxprqJT
B8NTpWmpJj8pg9eJ\ndnlJ0SASp8k9BKN38O/L9gejSpqwbr8DA7VzR3wW3lhxci
azEiJ2MTf0by8eBCnA\nyvVgHVL3092nNTrdPVtcpEnIU/g6Day8dmvCqza/w8fv
zeDLW4AT3jn5uug7S+tL\ngx8N9+sVyxKEDMymjxE8npAUAvRSuHNDFTMgEkYIsG
xcl3Th1Qo1CXJwBEmOiasC\nAwEAAaNjMGEwHQYDVR0OBBYEFH3ByevtTx1c8uvq
njvv4yqZyWrMMB8GA1UdIwQY\nMBaAFH3ByevtTx1c8uvqnjvv4yqZyWrMMA8GA1
UdEwEB/wQFMAMBAf8wDgYDVR0P\nAQH/BAQDAgGGMA0GCSqGSIb3DQEBCwUAA4IB
AQCfx7KWiWiHmhi/2Fd/5UYQOZ1k\ng1qGEp8KV0E7JwV8WHsTHogIDnLuanj5rY
BCTP5PHrU29qgOrxqn9Zy7vMvF/MFF\nMlLOgei8sloSeUpKLOdfqUwojRo7WGVZ
NKd7AaJc7R+zmzcql+xGmb4nJVx+fEgU\nMCoSicaYoLTyXMili3WcNAkRSQgdhE
743vhu674aXQrCbDg/AFTuwNin4SwrLjQK\npVcUO6RiwkVAJ3Y4RtFrqz5rwR9S
ZD3U/3bqrIzqajuKuSbqZl5uizH3L5in8r9r\nfddXMQbK+b3A7v3AaJemFDm/hO
Egm50p5jh0TZC92E/qI3vFyC7FMkHaRGm6\n-----END CERTIFICATE-----
\n",
    "passphrase": "cert2"
}

Response code : 200 OK
Response body :

{
  "alias": "cert2",
  "key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQCj4AcR4nEGFX
07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1y4Tw7puJDa
CHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7KcgKbCnXnZFO
Rk7BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSIzjDCnpXtA4b
AoGYZMhl\nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGEipo9Rzb3o9fRAQ2h6yIe
w0ClXic7eN\nxVWpMBkdscQBufDKXAJ00ugAF36thWG+rAL05P/4iWLVGLWG00o4
8O/sh44qVYFU\nUmw/YU3rAgMBAAECggEAAKh1zs6+eRxH+vV3qZYnP/2A9Od6Vq
LINhWY9nHKfsEg\nxve2JEXtIrt5P/XUJqXUSFHaSPpP6+2MbbsAV6jlPnOf9ptv
J7XuEf9v5nuYCjBi\niLGh8LvtWamesRPqTIeVuS1XCmtI5CuF23s5/MsFqSLWmR
9Z2IGhcBpIFmzf6mT0\nuLlJ5UhzD7nNGeHnGoBEqqAfVom1UhdNCIhEOAp+CLZ1
qBbgFDnA63Rb7nGi2Opx\nP6OkCLXflGP0KP+jF0THT0r1lami+a4AJQzhFcXlYJ
KKrwjz4erPZCxVLaCc9Aob\nblMZcd08MP4ML73IYLrE5SkJhJE00vc2TSR5D+Te
FQKBgQDnRgjxPDXA96ZNGwPC\nIO5gyit85guTHi2XcMlq3i6jL3lbcspuGt+3X3
wVXB6+2sRe1p3yTNmIWuvbmJXX\na3PERphY/0Qs9Y8ZIFGpk88XvJ6dSpAdXd7N
/XqVh7v3W1UNI/uhja7bNVb9vj2K\n/UqpxedEfkOQjq16uWm2WN3CvQKBgQC1ZU
tmJLfxtdboO9yEq3nPE9GPbf0RXjYY\n9b1iULPTUc6cHDv1CGX1/M2H5oC6hWFD
KA+mmTEg4A+mJf3+iKsE6MM/6ndkxGJw\nVW8APe3pFzkqC6lWtjtntwFnbGajDw
JQnhBsI5ddxbh2eutDVLL7okhm6UPFqy93\nlm1LWYfxxwKBgQDJ/aIbx6GPKvzF
RT3wFED+qjR3PpiHYokhRnG0c985yWHt3AEv\nTytrheri4PU9beaqijmjATnQ3N
A4mDjuz7tphtrSiAhsWAAmStLoD9+E9Ml3yUK7\nU1wgfy3MYaNqtAtBkdbZT9yT
OjADKF+p//Vw+Bc3/CtYmzSrBjts9oqg5QKBgQCo\nMiSXsbReC54Z+GehHN71hA
rsU7A0Soce3b2dS/dyGojZd9SggAkK7j4lpTX3vXVS\nL/NTJvjG4vufs9qwCUmK
Y8mnmmDarr4YKx+hucrANyhqNCXwoUi0ApzqqTkCOQiM\neAQCQX45FPzV32QGKq
NLcE5yHhkZUIHTAUiWdY34QQKBgCar2ZxEUn7eXqzu1hb+\nhV3rGYYU0IiMp0lf
hzHsdCu/E+oUlVypsgahmLSRzkY8arb2u4Ao2vf+qtZvd2O1\n74BOKtClR4/gSH
dleM1D4eRBwjQyquS8wmS7nh3XbJGYvNqetvZ66FFAKXRXnLlg\nv88cSS1uhynU
fPSzjb1+wDa5\n-----END PRIVATE KEY-----\n",

```
  "certChain": "-----BEGIN CERTIFICATE-----
\nMIIDzzCCAregAwIBAgIGAXON2rrTMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA
MM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEP
MA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjcwMTE5NDhaFw
0yMjA3\nMjcwMTE5NDhaMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA1UECwwGdm13
YXJlMQ8w\nDQYDVQQKDAZ2bXdhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQIDAJJTj
ELMAkGA1UE\nBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCj
4AcR4nEGFX07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1
y4Tw7puJDaCHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7Kc
gKbCnXnZFORk7BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSIz
jDCnpXtA4bAoGYZMhl\nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGEipo9Rzb3o9
fRAQ2h6yIew0ClXic7eN\nxVWpMBkdscQBufDKXAJ00ugAF36thWG+rAL05P/4iW
LVGLWG00o48O/sh44qVYFU\nUmw/YU3rAgMBAAGjgaEwgZ4wHQYDVR0OBBYEFMKg
idsQyZNHdWfQunuH1tN+klM7\nMB8GA1UdIwQYMBaAFH3ByevtTx1c8uvqnjvv4y
qZyWrMMBwGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQE
AwIFoDAgBgNVHSUBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQ
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b7rZqmMq7aFNZ1uzhu022zsb60CpfqaobHo0fj\neajCueMj38MQDhoeMQiooYwD
L4PGgWizgiBX1N5cP996OJTyU2no//TBszq9Wp1M\nly1KbWOlGL/14KD3cGKn85
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\nMIIDiTCCAnGgAwIBAgIGAXNHiB6cMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA
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zeDLW4AT3jn5uug7S+tL\ngx8N9+sVyxKEDMymjxE8npAUAvRSuHNDFTMgEkYIsG
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\n",
  "leafCert": "-----BEGIN CERTIFICATE-----
\nMIIDzzCCAregAwIBAgIGAXON2rrTMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBA
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```

```
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b7rZqmMq7aFNZ1uzhu022zsb60CpfqaobHo0fj\neajCueMj38MQDhoeMQiooYwD
L4PGgWizgiBX1N5cP996OJTyU2no//TBszq9Wp1M\nly1KbWOlGL/14KD3cGKn85
L8QA==\n-----END CERTIFICATE-----\n",
  "validations": [],
  "validity": {
    "period": "1 year, 11 months and 22 days",
    "expiresOn": "2022-07-27T01:19:48.000+0000",
    "issuedOn": "2020-07-27T01:19:48.000+0000",
    "healthy": true
  },
  "certInfo": {
    "subject": "C=IN, ST=IN, L=IN, O=vmware, OU=vmware,
CN=vmware",
    "issuer": "C=IN, O=VMware, CN=vRealize Suite Lifecycle
Manager Locker CA",
    "san": "IP: 10.196.15.13, DNS: *.sqa.local",
    "algorithm": "SHA256WITHRSA",
    "keyAlgorithm": "RSA",
    "keyLength": 2048,
    "sha256":
"e29cc66231a79af587e903e7cfbaf6d3d0ea392e36f496b7a2f078c54579fae
b",
    "sha1": "2647735d8fd5c6f45edea04d0b2a64db1cdd6a64"
  }
}
```


Locker Password Operation APIs

Name	**HTTP Method**	Endpoint

Creates a new Password in a Password Store	POST	lcm/locker/api/v2/passwords
		Request body : "password"
		{
		"alias": "VC-password",
		"createdOn": 0,
		"lastUpdatedOn": 0,
		"password": "Vmware!300",
		"passwordDescription": "",
		"principal": "",
		"userName": "",
		}
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "1a31bcc0-9e27-41db-b6a3-af4e724a3fb2",
		"alias": "VC-password",
		"userName": "",
		"password": "PASSWORD****",
		"passwordDescription": "",
		"principal": "",
		"createdOn": 1595813525653,
		"lastUpdatedOn": 1595813525653
		}

Edit a Password based on the Vmid	PATCH	/lcm/locker/api/v2/passwords/{vmid}
		Request parameter :
		vmid : 1a31bcc0-9e27-41db-b6a3-af4e724a3fb2
		Request body : "password"
		{
		"alias": "VC-password",
		"createdOn": 1595813525653,
		"lastUpdatedOn": 1595813525653,
		"password": "Vrslcm1!",
		"passwordDescription": "",
		"principal": "",
		"userName": "",
		}
		
		Response code : 200 OK

Get complete information of a Password based on the Vmid	GET	/lcm/locker/api/v2/passwords/detail/{vmid}
		Request parameter :
		vmid : 1a31bcc0-9e27-41db-b6a3-af4e724a3fb2
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "1a31bcc0-9e27-41db-b6a3-af4e724a3fb2",
		"alias": "VC-password",
		"userName": "",
		"password": "PASSWORD****",
		"passwordDescription": "",
		"principal": "",
		"createdOn": 1595813525653,
		"lastUpdatedOn": 1595813839757
		}

Get paginated list of Passwords available in the Store	GET	/lcm/locker/api/v2/passwords
		Request parameters :
		size : 10 [default]
		from : 0 [default]
		aliasQuery : [blank] [optional]
		
		Response code : 200 OK
		Response body :
		{
		"page": 0,
		"total": 2,
		"passwords": [
		{
		"vmid": "1a31bcc0-9e27-41db-b6a3-af4e724a3fb2",
		"alias": "VC-password",
		"userName": "",
		"password": "PASSWORD****",
		"passwordDescription": "",
		"principal": "",
		"createdOn": 1595813525653,
		"lastUpdatedOn": 1595813839757
		},
		{
		"vmid": "65b3111f-5512-4915-b68c-d1c0fde2f86e",
		"alias": "VC2-password",
		"userName": "devuser@vsphere.local",
		"password": "PASSWORD****",
		"passwordDescription": "",
		"createdOn": 1595807306182,
		"lastUpdatedOn": 1595807306182
		}
		]
		}

Delete a Password based on the Vmid	DELETE	/lcm/locker/api/v2/passwords/{vmid}
		Request parameter :
		vmid : 2a626b60-efd4-4d1a-bc2a-695d467b0eb3
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "2a626b60-efd4-4d1a-bc2a-695d467b0eb3",
		"alias": "VMware1!200",
		"userName": "",
		"password": "Vrslcm!",
		"passwordDescription": "",
		"principal": "",
		"createdOn": 1600007526460,
		"lastUpdatedOn": 1600007573766
		}

View decrypted password providing correct root password	POST	/lcm/locker/api/v2/passwords/{vmid}/decrypted
Get Password based on vmid	GET	/lcm/locker/api/v2/passwords/{vmid}

Locker License Operation APIs

Name	HTTP Method	Endpoint

Validate and add License to Locker store	POST	/lcm/locker/api/v2/license/validate-and-add
		Request body :
		{
		"alias": "license1",
		"serialKey": "DN0AN-JD280-48RJ1-00024-1RV"
		}
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "69def4ac-782f-4af7-9ce7-99a7b8557a09",
		"requestId": "071d88e6-6ef3-4ff3-abd9-21420ff4cca4",
		"action": "VALIDATE_AND_ADD_LICENSE",
		"message": "Validate and Add request queued for license license1"
		}

Loads a list of all the Licenses available in the store	GET	/lcm/locker/api/v2/licenses
		Response code : 200 OK
		Response body :
		[
		{
		"vmid": "d8bc9171-a993-4abb-b081-cf283a4f0569",
		"alias": "license1",
		"key": "DN0AN-JD280-48RJ1-00024-1RV",
		"description": "VMware vRealize Suite 2019 Enterprise",
		"quantity": 32,
		"unit": "plu",
		"type": "vRealizeSuite",
		"account": "LCM Admin",
		"expiresIn": "3 months and 28 days",
		"expiresOn": "Mon Jan 11 2021 00:00:00",
		"status": "ACTIVE",
		"validations": [],
		"healthy": true,
		"lastRefreshed": 1600007172997,
		"refreshStatus": "NEW",
		"expired": false,
		"connected": false
		}
		]

Gets Licenses from Alias	GET	/lcm/locker/api/v2/licenses/alias/{alias}
		Request parameter :
		alias : license1
		
		Response body :
		{
		"vmid": "d8bc9171-a993-4abb-b081-cf283a4f0569",
		"alias": "license1",
		"key": "DN0AN-JD280-48RJ1-00024-1RV",
		"description": "VMware vRealize Suite 2019 Enterprise",
		"quantity": 32,
		"unit": "plu",
		"type": "vRealizeSuite",
		"account": "LCM Admin",
		"expiresIn": "3 months and 28 days",
		"expiresOn": "Mon Jan 11 2021 00:00:00",
		"status": "ACTIVE",
		"validations": [],
		"healthy": true,
		"lastRefreshed": 1600007172997,
		"refreshStatus": "NEW",
		"expired": false,
		"connected": false
		}

Loads complete information of a License based on the vmid	GET	/lcm/locker/api/v2/licenses/detail/{vmid}
		Request parameter :
		vmid: d8bc9171-a993-4abb-b081-cf283a4f0569
		
		Response body :
		{
		"vmid": "d8bc9171-a993-4abb-b081-cf283a4f0569",
		"alias": "license1",
		"key": "DN0AN-JD280-48RJ1-00024-1RV",
		"description": "VMware vRealize Suite 2019 Enterprise",
		"quantity": 32,
		"unit": "plu",
		"type": "vRealizeSuite",
		"account": "LCM Admin",
		"expiresIn": "3 months and 28 days",
		"expiresOn": "Mon Jan 11 2021 00:00:00",
		"status": "ACTIVE",
		"validations": [],
		"healthy": true,
		"lastRefreshed": 1600007172997,
		"refreshStatus": "NEW",
		"expired": false,
		"connected": false
		}

Refresh myvmware licenses	GET	/lcm/locker/api/v2/licenses/refresh
		Response Code : 200 OK
		Response body :
		{
		"vmid": "d562ef04-01f0-4a58-a4a2-5e358126d88f",
		"action": "REFRESH_LICENSES",
		"message": "Refresh License from myvmware triggered successfully"
		}

Locker Reference Operation APIs

Name	HTTP Method	Endpoint

Loads references information of a Locker Entity	GET	/lcm/locker/api/v2/references/{vmid}
		Request parameter :
		vmid : 2c692f41-7b78-437f-8325-322350daeedc
		
		Response code : 200 OK
		Response body :
		{
		  "environments": [
		  {
		  "envName": "vRS Small Import Environment",
		  "envId": "vRSSmallImportEnvironment1595601218016",
		  "products": [
		  {
		  "name": "vrli",
		  "consumption": "{\"editable\":\"true\",\"nodeType\":\"vrli-master\",\"nodeid\":\"lcm2-187-38.sqa.local\",\"user\":\"root\"}",
		  "nodes": []
		  },
		  {
		  "name": "vrni",
		  "consumption": "{\"editable\":\"true\",\"nodeType\":\"vrni-platform\",\"nodeid\":\"vrni-platform-release\",\"user\":\"consoleuser\"}",
		  "nodes": []
		  },
		  {
		  "name": "vrni",
		  "consumption": "{\"editable\":\"true\",\"nodeType\":\"vrni-platform\",\"nodeid\":\"vrni-platform-release\",\"user\":\"admin@local\"}",
		  "nodes": []
		  },
		  {
		  "name": "vrops",
		  "consumption": "{\"editable\":\"true\",\"nodeType\":\"master\",\"nodeid\":\"lcm2-187-37.sqa.local\",\"user\":\"root\"}",
		  "nodes": []
		  },
		  {
		  "name": "vrbc",
		  "consumption": "{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":\"root\"}",
		  "nodes": []
		  },
		  {
		  "name": "vrni",
		  "consumption": "{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":\"admin@local\"}",

```
          "nodes": []
        },
        {
          "name": "vrli",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":
\"admin\"}",
          "nodes": []
        },
        {
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":
\"consoleuser\"}",
          "nodes": []
        },
        {
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"nodeType\":\"vrni-
collector\",\"nodeid\":\"vrni-proxy-
release\",\"user\":\"consoleuser\"}",
          "nodes": []
        },
        {
          "name": "vra",
          "consumption":
"{\"editable\":\"true\",\"nodeType\":\"vrava-
primary\",\"nodeid\":\"lcm2-187-
32.sqa.local\",\"user\":\"root\"}",
          "nodes": []
        },
        {
          "name": "vrbc",
          "consumption":
"{\"editable\":\"true\",\"nodeType\":\"vrb-
server\",\"nodeid\":\"lcm2-187-
36.sqa.local\",\"user\":\"root\"}",
          "nodes": []
        },
        {
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"nodeType\":\"vrni-
collector\",\"nodeid\":\"vrni-proxy-
release\",\"user\":\"admin@local\"}",
          "nodes": []
        },
        {
          "name": "vrops",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":
\"admin\"}",
          "nodes": []
        },
        {
```

```
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"nodeType\":\"vrni-
collector\",\"nodeid\":\"vrni-proxy-
release\",\"user\":\"support\"}",
          "nodes": []
        },
        {
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":
\"support\"}",
          "nodes": []
        },
        {
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"nodeType\":\"vrni-
platform\",\"nodeid\":\"vrni-platform-
release\",\"user\":\"support\"}",
          "nodes": []
        }
      ]
    }
  ]
}
```

Loads paginated ungrouped references information of a Locker Entity	GET	/lcm/locker/api/v2/references/ungrouped/{vmid} Request parameter : vmid : 2c692f41-7b78-437f-8325-322350daeedc size : 4 from : 0 typeQuery : [blank by default, optional] sortBy : [blank by default, optional] Response code : 200 OK Response body : { "page": 0, "total": 16, "references": [{ "vmid": "b25cd8d6-8237-4ce4-bda8-ed50ca76f2c5", "lockerId": "2c692f41-7b78-437f-8325-322350daeedc", "envId": "vRSSmallImportEnvironment1595601218016", "destinationName": "vra", "referenceType": "password", "meta": "{\"editable\":\"true\",\"nodeType\":\"vrava-primary\",\"nodeid\":\"lcm2-187-32.sqa.local\",\"user\":\"root\"}", "type": "node", "envName": "vRS Small Import Environment" }, { "vmid": "a3b89157-57c0-4f67-9a7b-8688d4e372f4", "lockerId": "2c692f41-7b78-437f-8325-322350daeedc", "envId": "vRSSmallImportEnvironment1595601218016", "destinationName": "vrbc", "referenceType": "password", "meta": "{\"editable\":\"true\",\"nodeType\":\"vrb-server\",\"nodeid\":\"lcm2-187-36.sqa.local\",\"user\":\"root\"}", "type": "node", "envName": "vRS Small Import Environment" }, { "vmid": "f55b48d1-fd1c-4b5d-bac4-9900195a4067", "lockerId": "2c692f41-7b78-437f-8325-322350daeedc", "envId": "vRSSmallImportEnvironment1595601218016", "destinationName": "vrbc", "referenceType": "password", "meta": "{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\":\"root\"}", "type": "product", "envName": "vRS Small Import Environment" }, { "vmid": "47adcab7-d02c-4569-8976-50bba9360293", "lockerId": "2c692f41-7b78-437f-8325-322350daeedc", "envId": "vRSSmallImportEnvironment1595601218016", "destinationName": "vrli",

		"referenceType": "password", "meta": "{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"user\": \"admin\"}", "type": "product", "envName": "vRS Small Import Environment" }] }

Marketplace app management APIs

Name	HTTP Method	Endpoint

Get a list of all downloaded contents	GET	/lcm/marketplace/api/v2/apps/downloaded
		
		[
		  {
		  "vmid": "a890bed9-83af-47be-b274-db854af5efb9",
		  "transactionId": null,
		  "version": "2.2",
		  "id": null,
		  "parentId": null,
		  "childId": null,
		  "uuid": null,
		  "state": null,
		  "slug": "linux-content-pack2",
		  "shortName": null,
		  "displayName": "Linux Content Pack",
		  "icon": "https://marketplace.vmware.com/resources/vsx/product/134287/logo/original/nix-logo249a4face0ebd01d5c4e184efe0a04e9.png",
		  "overview": null,
		  "highlight1": null,
		  "highlight2": null,
		  "highlight3": null,
		  "description": " There are 14 pre-defined Linux OS specific dashboards, with total of 45 extracted field for helping to visualize, analyze and take meaningful action on Linux OS log information. It provides: • Security monitoring: Including SSH, su and sudo for auditing and incident management.
		 • System application events: Including Cron and NTP for daemon process monitoring.
		 • Email information: For Postfix and Sendmail making it possible to troubleshoot and manage mail servers.
		 • Syslog information: For Rsyslog and Syslog-NG making it possible to troubleshoot and manage third-party syslog agents. ",
		  "techSpecs": " The Linux Content pack is suitable for the Ubuntu 18.04, Ubuntu 16.04 SLES 11SP4 Linux base operation system but in general most of dashboard/widgets functional with other Linux base operation system. The Linux content pack requires the use of *either* a third party syslog agent such as Rsyslog or Syslog-NG *or* the Log Insight agent with the cfapi protocol (default) and the included agent group configuration. To apply the agent group configuration:
		 • Go to the Administration > Agents page (requires Super Admin privileges) • Select the All Agents drop-down at the top of the window and select the Copy

```
Template<strong> </strong>button to the right of
the Linux and Linux - SLES (warn) / Linux - Ubuntu
(kern) agent groups</p><p>• Add the desired filters
to restrict which agent receive the configuration
(optional)</p><p>• Select the Refresh button
at the top of the page</p><p>• Select the Save
Configuration button at the bottom of the page</p>",
    "videoUrl": null,
    "trialUrl": null,
    "supportStatement": null,
    "supportEmail": null,
    "supportUrl": null,
    "supportPhone": null,
    "supportHours": null,
    "eula": null,
    "vcgUrl": null,
    "isFeatured": false,
    "requiresLogin": false,
    "created": null,
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    "published": null,
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    "numInstalls": 0,
    "numReviews": 0,
    "reviews": null,
    "avgRating": 0,
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    "productDisplayName": "vRealize Log Insight",
    "productAndVersion": null,
    "partner": "VMware Inc",
    "partnerSlug": null,
    "relatedContent": null,
    "downloadURLs": null,
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    "fileSize": 0,
    "externalLink": null,
    "fileSha256Sum": null,
    "entitlementLevel": null,
    "licenseType": null,
    "vmwareCertified": null,
    "appHistoryDetails": null,
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        "productEntitlementLevel": null
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        "productVersion": "8.2",
        "productEntitlementLevel": null
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        "productDisplayName": "vRealize Log Insight",
        "productVersion": "8.3",
        "productEntitlementLevel": null
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        "productDisplayName": "vRealize Log Insight",
        "productVersion": "8.4",
        "productEntitlementLevel": null
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        "productVersion": "8.4.1",
        "productEntitlementLevel": null
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        "productVersion": "8.1.1",
        "productEntitlementLevel": null
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    ],
    "downloadedDate": null,
    "downloadedBy": null,
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"/marketplaceRepo/data/marketplace/content/linux-content-
pack2__version__2.2",
    "isLatestVersionAvailable": false,
    "showNotification": false,
    "versionUpdateDetails": null,
    "isRemoved": false,
    "isDeletedByUser": false,
    "contentUuid": "f0847307-df41-4f11-b20c-113fb0a01958",
    "cloudMarketplaceContent": true,
    "downloaded": true,
    "latestVersionAvailable": false,
    "deletedByUser": false,
    "featured": false,
    "removed": false
  }
]
```

Get details about a specific downloaded content	GET	/lcm/marketplace/api/v2/apps/{slug}/{version} Request parameter : slug : linux-content-pack2 version : 2.2 Response code : 200 OK Response body : { "vmid": "a890bed9-83af-47be-b274-db854af5efb9", "transactionId": null, "version": "2.2", "id": null, "parentId": null, "childId": null, "uuid": null, "state": null, "slug": "linux-content-pack2", "shortName": null, "displayName": "Linux Content Pack", "icon": "https://marketplace.vmware.com/resources/vsx/product/134287/logo/original/nix-logo249a4face0ebd01d5c4e184efe0a04e9.png", "overview": null, "highlight1": null, "highlight2": null, "highlight3": null, "description": " There are 14 pre-defined Linux OS specific dashboards, with total of 45 extracted field for helping to visualize, analyze and take meaningful action on Linux OS log information. It provides: • Security monitoring: Including SSH, su and sudo for auditing and incident management. • System application events: Including Cron and NTP for daemon process monitoring. • Email information: For Postfix and Sendmail making it possible to troubleshoot and manage mail servers. • Syslog information: For Rsyslog and Syslog-NG making it possible to troubleshoot and manage third-party syslog agents. ", "techSpecs": " The Linux Content pack is suitable for the Ubuntu 18.04, Ubuntu 16.04 SLES 11SP4 Linux base operation system but in general most of dashboard/widgets functional with other Linux base operation system. The Linux content pack requires the use of *either* a third party syslog agent such as Rsyslog or Syslog-NG *or* the Log Insight agent with the cfapi protocol (default) and the included agent group configuration. To apply the agent group configuration: • Go to the Administration > Agents page (requires Super Admin privileges) • Select the All Agents drop-down at the top of the window and select the Copy Template button to the

right of the Linux and Linux - SLES (warn) / Linux - Ubuntu (kern) agent groups • Add the desired filters to restrict which agent receive the configuration (optional) • Select the Refresh button at the top of the page • Select the Save Configuration button at the bottom of the page ",
  "videoUrl": null,
  "trialUrl": null,
  "supportStatement": null,
  "supportEmail": null,
  "supportUrl": null,
  "supportPhone": null,
  "supportHours": null,
  "eula": null,
  "vcgUrl": null,
  "isFeatured": false,
  "requiresLogin": false,
  "created": null,
  "lastUpdated": null,
  "published": null,
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  "numReviews": 0,
  "reviews": null,
  "avgRating": 0,
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  "productDisplayName": "vRealize Log Insight",
  "productAndVersion": null,
  "partner": "VMware Inc",
  "partnerSlug": null,
  "relatedContent": null,
  "downloadURLs": null,
  "categoryMap": null,
  "solutionsMap": null,
  "categoryIDs": null,
  "solutionIDs": null,
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  "fileSize": 0,
  "externalLink": null,
  "fileSha256Sum": null,
  "entitlementLevel": null,
  "licenseType": null,
  "vmwareCertified": null,
  "appHistoryDetails": null,
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      "productVersion": "8.0",
      "productEntitlementLevel": null
    },
    {
      "productShortName": "vRealize Log Insight",
      "productDisplayName": "vRealize Log Insight",

```
      "productVersion": "8.1",
      "productEntitlementLevel": null
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      "productDisplayName": "vRealize Log Insight",
      "productVersion": "8.2",
      "productEntitlementLevel": null
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    {
      "productShortName": "vRealize Log Insight",
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      "productEntitlementLevel": null
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    {
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      "productVersion": "8.1.1",
      "productEntitlementLevel": null
    }
  ],
  "downloadedDate": null,
  "downloadedBy": null,
  "filePathOfDownloadedApp":
"/marketplaceRepo/data/marketplace/content/linux-content-
pack2__version__2.2",
  "isLatestVersionAvailable": false,
  "showNotification": false,
  "versionUpdateDetails": null,
  "isRemoved": false,
  "isDeletedByUser": false,
  "contentUuid": "f0847307-df41-4f11-b20c-113fb0a01958",
  "cloudMarketplaceContent": true,
  "downloaded": true,
  "latestVersionAvailable": false,
  "deletedByUser": false,
  "featured": false,
  "removed": false
}
```

Trigger download operation for a content	POST	/lcm/marketplace/api/v2/appDownload
		Request body :
		{
		"contentId": "f0847307-df41-4f11-b20c-113fb0a01958",
		"contentVersion": "2.2",
		"slug": "linux-content-pack2",
		"userInformation": {
		"addressline1": "line 1",
		"addressline2": "line 2",
		"city": "eg-city",
		"companyname": "Abc Inc",
		"country": "India",
		"email": "mail@abc.org",
		"name": "name",
		"postalcode": "12345"
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}

Trigger install operation for a content on a vRealize product	POST	/lcm/marketplace/api/v2/appInstall
		Request body :
		{
		"contentVersion": "2.2",
		"datacenter": "dc",
		"environmentId": "b1847307-df41-4f11-b20c-113fb0a01234",
		"productType": "vra",
		"productVersion": "8.4",
		"properties": {
		},
		"slug": "linux-content-pack2"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}

Trigger delete operation of a content	POST	/lcm/marketplace/api/v2/appDelete
		Request body:
		
		{
		"cloudMarketplaceContent": true,
		"contentFile": "/marketplaceRepo/data/marketplace/content/linux-content-pack2__version__2.2",
		"contentId": "f0847307-df41-4f11-b20c-113fb0a01958",
		"contentVersion": "2.2",
		"slug": "linux-content-pack2"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}

Source Mapping Operation APIs

Name	HTTP Method	Endpoint	Description

Get all product binaries	POST	/lcm/lcops/api/v2/settings/product-binaries
		Request body : "ovfDeploymentSourceConfigDTO"
		{
		  "sourceLocation": "10.153.164.9:/vCloudSuiteDeployment/binaries/OVA",
		  "sourceType": "NFS"
		}
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "name": "Prelude_VA-8.0.0.6619-14842736_OVF10.ova",
		  "filePath": "/data/nfsfiles/Prelude_VA-8.0.0.6619-14842736_OVF10.ova",
		  "type": "install"
		  },
		  {
		  "name": "Prelude_VA-8.0.1.7355-15294185_OVF10.ova",
		  "filePath": "/data/nfsfiles/Prelude_VA-8.0.1.7355-15294185_OVF10.ova",
		  "type": "install"
		  },
		  {
		  "name": "Prelude_VA-8.1.0.9326-15986821_OVF10.ova",
		  "filePath": "/data/nfsfiles/Prelude_VA-8.1.0.9326-15986821_OVF10.ova",
		  "type": "install"
		  },
		  {
		  "name": "Prelude_VA-8.2.0.12417-16694458-updaterepo.iso",
		  "filePath": "/data/nfsfiles/Prelude_VA-8.2.0.12417-16694458-updaterepo.iso",
		  "type": "upgrade"
		  },
		  {
		  "name": "Prelude_VA-8.2.0.12599-16737277-updaterepo.iso",
		  "filePath": "/data/nfsfiles/Prelude_VA-8.2.0.12599-16737277-updaterepo.iso",
		  "type": "upgrade"
		  },
		  {
		  "name": "VMware-vR-Appliance-7.5.0.458-10053539_OVF10.ova",
		  "filePath": "/data/nfsfiles/VMware-vR-Appliance-7.5.0.458-10053539_OVF10.ova",
		  "type": "install"
		  },
		  {
			Here **"sourceType"** can be **"Local", "windows"** or **"NFS"**

```
    "name": "VMware-vR-Appliance-7.6.0.317-
13027280-updaterepo.iso",
    "filePath": "/data/nfsfiles/VMware-vR-
Appliance-7.6.0.317-13027280-updaterepo.iso",
    "type": "upgrade"
  },
  {
    "name": "VMware-vR-Appliance-7.6.0.317-
13027280_OVF10.ova",
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Appliance-7.6.0.317-13027280_OVF10.ova",
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10752772.pak",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-4.7.1-10752772.pak",
    "type": "upgrade"
  },
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    "type": "upgrade"
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8.0.0.0-14870409_OVF10.ova",
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    "type": "install"
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  {
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16281169.pak",
    "filePath": "/data/nfsfiles/VMware-
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    "type": "upgrade"
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  {
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8.1.1.0-16281169_OVF10.ova",
    "filePath": "/data/nfsfiles/VMware-
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16281169_OVF10.ova",
    "type": "install"
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16522657.UNSTABLE.TP.pak",
    "type": "upgrade"
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16648000.UNSTABLE.TP.pak",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-8.2.0-
16648000.UNSTABLE.TP.pak",
    "type": "upgrade"
  },
  {
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16522657_OVF10.ova",
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  {
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    "type": "install"
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4.2.0.1562947515-platform.ova",
    "filePath": "/data/nfsfiles/VMware-
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platform.ova",
    "type": "install"
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  {
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4.2.0.1562947515-proxy.ova",
    "filePath": "/data/nfsfiles/VMware-
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proxy.ova",
    "type": "install"
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5.0.0.1568279774-platform.ova",
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platform.ova",
    "type": "install"
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proxy.ova",
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5.1.0.1578493419-proxy.ova",
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platform.ova",
    "type": "install"
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    "filePath": "/data/nfsfiles/VMware-
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proxy.ova",
    "type": "install"
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    "filePath": "/data/nfsfiles/VMware-
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platform.ova",
    "type": "install"
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    "filePath": "/data/nfsfiles/VMware-
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proxy.ova",
    "type": "install"
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5.3.0.1593829198-platform.ova",
    "filePath": "/data/nfsfiles/VMware-
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platform.ova",
    "type": "install"
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platform.ova",
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```

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platform.ova",
    "type": "install"
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    "filePath": "/data/nfsfiles/VMware-
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proxy.ova",
    "type": "install"
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    "filePath": "/data/nfsfiles/VMware-
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    "type": "upgrade"
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  {
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    "type": "upgrade"
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  {
    "name": "VMware-vRealize-Network-
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    "filePath": "/data/nfsfiles/VMware-
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    "type": "install"
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manager-3.3.0.0-10084102-updaterepo.zip",
    "type": "upgrade"
  },
  {
    "name": "identity-manager-3.3.1.0-14635482-
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    "type": "upgrade"
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14635482_OVF10.ova",
    "filePath": "/data/nfsfiles/identity-
manager-3.3.1.0-14635482_OVF10.ova",
    "type": "install"
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  {
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manager-3.3.2.0-15951611-updaterepo.zip",
    "type": "upgrade"
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  {
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15951611_OVF10.ova",
    "filePath": "/data/nfsfiles/identity-
manager-3.3.2.0-15951611_OVF10.ova",
    "type": "install"
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  {
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16614798_OVF10.ova",
    "filePath": "/data/nfsfiles/identity-
manager-3.3.3.0-16614798_OVF10.ova",
    "type": "install"
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7.3.1.14362-6400451-updaterepo.iso",
    "filePath": "/data/nfsfiles/vRealize-
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updaterepo.iso",
    "type": "upgrade"
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    "filePath": "/data/nfsfiles/vRealize-
Business-for-Cloud-7.3.1.14362-
6400451_OVF10.ova",
    "type": "install"
  },
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7.4.0.19475-8067368-updaterepo.iso",
    "filePath": "/data/nfsfiles/vRealize-
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updaterepo.iso",
    "type": "upgrade"
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7.4.0.19475-8067368_OVF10.ova",
    "filePath": "/data/nfsfiles/vRealize-
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8067368_OVF10.ova",
    "type": "install"
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  {
    "name": "vRealize-Business-for-Cloud-
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    "filePath": "/data/nfsfiles/vRealize-
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    "type": "upgrade"
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10043545_OVF10.ova",
    "type": "install"
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  {
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    "type": "upgrade"
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Business-for-Cloud-7.6.0.28529-
13134973_OVF10.ova",
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    "filePath": "/data/nfsfiles/vRealize-
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    "type": "install"
  },
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    "name": "vRealize-Operations-Manager-
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    "filePath": "/data/nfsfiles/vRealize-
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8.0.0.14857692_OVF10.ova",
    "type": "install"
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    "type": "install"
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Appliance-8.1.0.15972145_OVF10.ova",
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    "type": "install"
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    "filePath": "/data/nfsfiles/vRealize-
Operations-Manager-Appliance-
8.2.0.16634671_OVF10.ova",
    "type": "install"
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7.5.0.13165947.pak",
    "type": "upgrade"
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  {
    "name": "vRealize_Operations_Manager-VA-
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    "filePath":
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8.0.0.14857694.pak",
    "type": "upgrade"
  },
  {
    "name": "vRealize_Operations_Manager-VA-
8.0.1.15331198.pak",
    "filePath":
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    "type": "upgrade"
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  {
    "name": "vRealize_Operations_Manager-VA-
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    "filePath":
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8.1.0.15972166.pak",
    "type": "upgrade"
  },
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8.1.1.16522883.pak",
    "filePath":
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8.1.1.16522883.pak",
    "type": "upgrade"
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8.2.0.16550194.pak",
    "type": "upgrade"
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8.2.0.16634668.pak",
    "type": "upgrade"
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    "filePath":
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8.2.0.16634672.pak",
    "type": "upgrade"
  },
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8.x-to-8.0.1.15331178.pak",
    "filePath":
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8.x-to-8.0.1.15331178.pak",
    "type": "upgrade"
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  {
    "name": "vRealize_Operations_Manager-VA-
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    "filePath":
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8.x-to-8.1.0.15972143.pak",
    "type": "upgrade"
  },
  {
    "name": "vRealize_Operations_Manager-VA-
8.x-to-8.1.1.16522872.pak",
    "filePath":
"/data/nfsfiles/vRealize_Operations_Manager-VA-
8.x-to-8.1.1.16522872.pak",
    "type": "upgrade"
  },
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    "filePath": "/data/nfsfiles/vidm.ova",
    "type": "install"
  },
  {
    "name": "vmware-MPforSDDCHealth-8.1-
15995854.pak",
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		"filePath": "/data/nfsfiles/vmware-MPforSDDCHealth-8.1-15995854.pak",
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		"name": "vmware-idm-connector-3.3.2.0.zip",
		"filePath": "/data/nfsfiles/vmware-idm-connector-3.3.2.0.zip",
		"type": "upgrade"
		},
		{
		"name": "vra_16694458.ova",
		"filePath": "/data/nfsfiles/vra_16694458.ova",
		"type": "install"
		}
		]	

Get all product binaries	GET	/lcm/lcops/api/v2/settings/product-binaries
		Response body :
		[
		{
		"productId": "vrli",
		"productVersion": "8.4.0",
		"productBinaryType": "install",
		"productBinaryPath": "VMware-vRealize-Log-Insight-8.4.0.0-17786465_OVF10.ova",
		"componentName": "default",
		"mappingType": "LOCAL",
		"productName": "vRealize Log Insight",
		"requestId": null,
		"removeBinary": null
		}
		]
			Get all product binaries which are already mapped in LCM

Download product binary from local or NFS	POST	/lcm/lcops/api/v2/settings/product-binaries/download
		Request body : "productBinaryDTOs"
		[
		  {
		  "filePath": "/data/nfsfiles/Prelude_VA-8.0.0.6619-14842736_OVF10.ova",
		  "name": "Prelude_VA-8.0.0.6619-14842736_OVF10.ova",
		  "type": "install"
		  },
		  {
		  "filePath": "/data/nfsfiles/VMware-vRealize-Network-Insight-5.0.0.1568279774-platform.ova",
		  "name": "VMware-vRealize-Network-Insight-5.0.0.1568279774-platform.ova",
		  "type": "install"
		  },
		  {
		  "filePath": "/data/nfsfiles/identity-manager-3.3.0.0-10084102-updaterepo.zip",
		  "name": "identity-manager-3.3.0.0-10084102-updaterepo.zip",
		  "type": "upgrade"
		  }
		]
		
		Response code : 200 OK
		Response body :
		{
		  "requestId": "d1b7341c-e3bb-4049-b5a8-1bf9118c79ab"
		}	

Get all My VMware product binaries	GET	/lcm/lcops/api/v2/settings/my-vmware/product-binaries Response code : 200 OK Response body : [{ "productId": "vidm", "productVersion": "3.3.2", "productBinaryType": "upgrade", "productBinaryPath": null, "componentName": null, "mappingType": null, "productName": "VMware Identity Manager", "requestId": null, "removeBinary": null }, { "productId": "vidm", "productVersion": "3.3.2", "productBinaryType": "Install", "productBinaryPath": null, "componentName": null, "mappingType": null, "productName": "VMware Identity Manager", "requestId": null, "removeBinary": null }, { "productId": "vidm", "productVersion": "3.3.3", "productBinaryType": "upgrade", "productBinaryPath": null, "componentName": null, "mappingType": null, "productName": "VMware Identity Manager", "requestId": null, "removeBinary": null }, { "productId": "vidm", "productVersion": "3.3.3", "productBinaryType": "Install", "productBinaryPath": null, "componentName": null, "mappingType": null, "productName": "VMware Identity Manager", "requestId": null, "removeBinary": null }, { "productId": "vra", "productVersion": "7.6.0", "productBinaryType": "upgrade", "productBinaryPath": null, "componentName": null, "mappingType": null, "productName": "vRealize Automation",	Make sure atleast one myvmware account is added.

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    "requestId": null,
    "removeBinary": null
  },
  {
    "productId": "vra",
    "productVersion": "7.6.0",
    "productBinaryType": "Install",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
    "removeBinary": null
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  {
    "productId": "vra",
    "productVersion": "8.0.1",
    "productBinaryType": "upgrade",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
    "removeBinary": null
  },
  {
    "productId": "vra",
    "productVersion": "8.0.1",
    "productBinaryType": "Install",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
    "removeBinary": null
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    "productVersion": "8.1.0",
    "productBinaryType": "upgrade",
    "productBinaryPath": null,
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    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
    "removeBinary": null
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    "productBinaryType": "Install",
    "productBinaryPath": null,
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    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
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    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
    "removeBinary": null
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    "productBinaryType": "Install",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Automation",
    "requestId": null,
    "removeBinary": null
  },
  {
    "productId": "vrli",
    "productVersion": "8.0.0",
    "productBinaryType": "upgrade",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Log Insight",
    "requestId": null,
    "removeBinary": null
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    "productName": "vRealize Log Insight",
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  },
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    "requestId": null,
    "removeBinary": null
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    "requestId": null,
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    "productVersion": "8.2.0",
    "productBinaryType": "Install",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "vRealize Log Insight",
    "requestId": null,
    "removeBinary": null
  },
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  "mappingType": null,
  "productName": "vRealize Network Insight",
  "requestId": null,
  "removeBinary": null
},
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  "productVersion": "5.1.0",
  "productBinaryType": "Install",
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  "mappingType": null,
  "productName": "vRealize Network Insight",
  "requestId": null,
  "removeBinary": null
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  "productVersion": "5.2.0",
  "productBinaryType": "upgrade",
  "productBinaryPath": null,
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  "mappingType": null,
  "productName": "vRealize Network Insight",
  "requestId": null,
  "removeBinary": null
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  "removeBinary": null
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  "productName": "vRealize Network Insight",
  "requestId": null,
  "removeBinary": null
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    "requestId": null,
    "removeBinary": null
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    "requestId": null,
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    "productName": "vRealize Operations",
    "requestId": null,
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    "mappingType": null,
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    "requestId": null,
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    "productBinaryPath": null,
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    "mappingType": null,
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Cloud",
    "requestId": null,
    "removeBinary": null
  },
  {
    "productId": "vrbc",
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    "productBinaryPath": null,
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    "mappingType": null,
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    "productBinaryType": "upgrade",
    "productBinaryPath": null,
    "componentName": null,
    "mappingType": null,
    "productName": "VMware Identity Manager",
    "requestId": null,
    "removeBinary": null
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		"componentName": null,
		"mappingType": null,
		"productName": "VMware Identity Manager",
		"requestId": null,
		"removeBinary": null
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		]	

Download My VMware product binary	POST	/lcm/lcops/api/v2/settings/my-vmware/product-binaries/download
		Request body : "sourceMappingResultDTOs"
		[{
		"productId": "vidm",
		"productVersion": "3.3.2",
		"productBinaryType": "Install",
		"productBinaryPath": null,
		"componentName": null,
		"mappingType": null,
		"productName": "VMware Identity Manager",
		"requestId": null,
		"removeBinary": null
		}
		]
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "61c2fcc0-b6c2-4708-85fc-0a0e9112207d"
		}	

Upload and source map binaries	POST	/lcm/lcops/api/v2/settings/my-vmware/product-binaries/download
		`Request body :`
		`"productBinaries": multipart/form-data`
		`"patchBinaries": multipart/form-data`
		`"patchedProductBinaries": multipart/form-data`
		
		`Response code : 200 OK`
		`Response body :`
		`[{`
		`  "requestId": "61c2fcc0-b6c2-4708-85fc-0a0e9112207d"`
		`}]`
			Upload product, patch, patchedProduct binaries and source map to vRealize Suite Lifecycle Manager. Returns a list of requestIds to track the source mapping request.

Data Center Operation APIs

Name	HTTPMethod	Endpoint	Description

Create a Data Center	POST	/lcm/lcops/api/v2/datacenters
		`Request Body : "dataCenterRequestDTO"`
		
		`{`
		`  "dataCenterName": "BLR",`
		`  "primaryLocation": "Bangalore;Karnataka;IN;12.97194;77.59369"`
		`}`
		
		`Response code : 200 OK`	

Get all Data Centers	GET	/lcm/lcops/api/v2/datacenters
		Response code : 200 OK
		Response body :
		[
		  {
		  "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		  "dataCenterName": "BLR",
		  "primaryLocation": "Bangalore;Karnataka;IN;12.97194;77.59369"
		  },
		  {
		  "dataCenterVmid": "e76c15f4-0285-4801-ba4c-6032ff63f9f8",
		  "dataCenterName": "SingaporeDC",
		  "primaryLocation": "Singapore;;SG;1.28967;103.85007"
		  }
		]	

Update a Data Center	PUT	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}
		Request body :
		{
		  "dataCenterName": "BLR",
		  "primaryLocation": "Warud;Maharashtra;IN;21.47101;78.26965"
		}
		
		Response code : 200 OK	

Get a Data Center from ID or Name	GET	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}
		1. By Name :
		Request parameter :
		dataCenterVmid : BLR
		
		Response code : 200 OK
		Response body :
		{
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"dataCenterName": "BLR",
		"primaryLocation": "Bangalore;Karnataka;IN;12.97194;77.59369"
		}
		
		2. By ID :
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		
		Response code : 200 OK
		Response body :
		{
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"dataCenterName": "BLR",
		"primaryLocation": "Bangalore;Karnataka;IN;12.97194;77.59369"
		}	

Delete a Data Center	DELETE	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "04eef002-5e9b-4baf-bafb-efa294a42e29"
		}	

Get all Environments associated with a Data Center	GET	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/environments
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "environmentId": "globalenvironment",
		  "environmentName": "globalenvironment",
		  "environmentHealth": null,
		  "logHistory": null,
		  "environmentStatus": "COMPLETED",
		  "infrastructure": {
		  "properties": {
		  "regionName": "default",
		  "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		  "zoneName": "default",
		  "defaultPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password"
		  }
		  },
		  "products": [
		  {
		  "id": "vidm",
		  "version": "3.3.2",
		  "patchHistory": null,
		  "snapshotHistory": null,
		  "logHistory": null,
		  "clusterVIP": null,
		  "nodes": [
		  {
		  "type": "vidm-primary",
		  "properties": {
		  "hostName": "lcm2-187-31.sqa.local",
		  "cluster": "ESO_VC07_Cluster_07",
		  "esxHost": "w1-hs1-g0312.eng.vmware.com",
		  "memory": "6",
		  "diskMode": "thin",
		  "vCenterHost": "eso-vc07.eng.vmware.com",
		  "storage": "ESO_VC07_Cluster_07_vsanDatastore01",
		  "network": "WDC_HAAS_VM_VLAN1100",
		  "capacity": "60.2",
		  "vidmRootPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		  "vidmSystemAdminPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		  "enableTelemetry": "true",
		  "affinityRules": null,
		  "vcPassword": "locker:password:fdc0bc98-3cef-4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
		  "cpuCount": "2",	

```
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              "vcUsername": "sampaths.admin@sqa.local",
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              "esxHost": "w1-hs1-g0312.eng.vmware.com",
              "memory": "6",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "masterTenantId": "LCM2-187-31",
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              "capacity": "60.2",
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              "cpuCount": "2",
              "resourcePool": null,
              "canBeDeleted": "true",
              "vmName": "dgnaneswaran_SS_VIDM_331",
              "esxHostBuild": "7967591",
              "ip": "10.196.187.31",
              "dns": "10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
              "version": "3.3.2",
              "domainJoined": "null",
              "port": "8443",
              "domain": "sqa.local",
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
              "netmask": "255.255.255.0",
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```

```
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          "vidmDomainName": "sqa.local",
          "__isMigrationRequest": "false",
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          "vidmOAuthServiceClientSecret":
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          "__isTenancyEnabled": "false",
          "vidmDBType": "postgresql",
          "__vidmIsExternalDB": "false",
          "__vidmHasExternalConnectors": "false",
          "__vidmFormFactor": "true"
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      }
    ]
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    "environmentName": "vRS Small Import Environment",
    "environmentHealth": "{\n  \"environmentId\" :
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        "logHistory": null,
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        "nodes": [
```

```
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              "esxHost": "w1-hs1-g0312.eng.vmware.com",
              "memory": "32",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
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              "esxHostBuild": "7967591",
              "ip": "10.196.187.32",
              "dns": "10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
              "latestPatchVersion": "8.0.1.7355",
              "domain": "sqa.local",
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
              "gateway": "10.196.187.253",
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            }
          }
        ],
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2018

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        "version": "5.1.0",
        "patchHistory": null,
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        "logHistory": null,
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              "esxHost": "w1-hs1-g0314.eng.vmware.com",
              "memory": "12",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "vrniPlatformPassword":
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              "storage":
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              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "214.8",
              "affinityRules": null,
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              "cpuCount": "4",
              "vrniNodeSize": "medium",
              "resourcePool": null,
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              "esxHostBuild": "7967591",
              "ip": "10.196.187.40",
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              "ESXI Version": "6.5.0",
              "supportUserName": "support",
              "consolePassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "supportPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "domain": null,
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              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
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              "__vMoid": "vm-27432",
              "__supportverified": "true",
              "__consoleverified": "true",
              "ntp": "ntp1.eng.vmware.com"
            }
          },
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            "type": "vrni-platform",
            "properties": {
              "hostName": "vrni-platform-release",
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              "esxHost": "w1-hs1-g0312.eng.vmware.com",
              "memory": "32",
              "diskMode": "thin",
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              "vrniPlatformPassword":
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              "storage":
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              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "1024.0",
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              "masterIP": "10.196.187.39",
              "ip": "10.196.187.39",
              "dns": "10.141.66.213 10.118.183.252",
              "ESXI Version": "6.5.0",
              "supportUserName": "support",
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              "supportPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "domain": null,
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
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              "searchpath": "sqa.local",
              "netmask": "255.255.255.0",
              "__vMoid": "vm-27430",
              "__supportverified": "true",
              "__consoleverified": "true",
              "ntp": "ntp1.eng.vmware.com"
            }
          }
        ],
        "properties": {
          "vrniPlatformUserName": "admin@local",
          "license": "M543G-001E3-18T89-0MZ8P-CD7MZ",
          "masterVidmHostName": null,
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\nhb95oiGDM4ql5uEd9Dh1qm76T8pgYmeUzYpaZA==\n-----END
CERTIFICATE-----\n",
          "consolePassword": "locker:password:2c692f41-7b78-
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          "supportPassword": "locker:password:2c692f41-7b78-
437f-8325-322350daeedc:Products-Default-Admin-Password",
          "vrniPlatformPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
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Get all vCenters	GET	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		
		Response code : 200 OK
		Response body :
		[
		{
		"vCenterName": "VC1",
		"vCenterHost": "lcm-vc.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:1b2fc64d-6457-460c-8b75-7f9eb927fb44:LCM-VC-Password",
		"vcUsedAs": null,
		"vcDataCollectionStatus": "SUCCESS"
		},
		{
		"vCenterName": "VC3",
		"vCenterHost": "eso-vc07.eng.vmware.com",
		"vcUsername": "sampaths.admin@sqa.local",
		"vcPassword": "locker:password:fdc0bc98-3cef-4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
		"vcUsedAs": "MANAGEMENT",
		"vcDataCollectionStatus": "SUCCESS"
		},
		{
		"vCenterName": "VC4",
		"vCenterHost": "wdc-lcm-vc.sqa.local",
		"vcUsername": "administrator@vsphere.local",
		"vcPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		"vcUsedAs": "MANAGEMENT",
		"vcDataCollectionStatus": "SUCCESS"
		}
		]	

Create a vCenter	POST	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		
		Request body : "vCenterRequestDTO"
		{
		"vCenterName": "VC1",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "administrator@vsphere.local",
		"vcPassword": "VMware1!",
		"vcUsedAs": "MANAGEMENT"
		}
		Response code : 200 OK	

Get vCenter Details	GET	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/{vCenterName}
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		vCenterName : VC1
		
		Response code : 200 OK
		Response body :
		{
		"vCenterName": "VC4",
		"vCenterHost": "wdc-lcm-vc.sqa.local",
		"vcUsedAs": "MANAGEMENT",
		"version": "6.5.0",
		"vcUsername": "administrator@vsphere.local",
		"vcPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		"dataCollectionStatus": null,
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		{
		"vcDataCenterName": "LCM-Datacenter",
		"hosts": [],
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		"totalSize": 3298266447872,
		"availableSize": 1375118295040,
		"isManaged": true
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		{
		"storageName": "vsanDatastore",
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		"availableSize": 5031763902464,
		"isManaged": true
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		"isManaged": null
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		{
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		"isManaged": null	

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                    "isManaged": null
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                "totalStorage": null,
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                    "isManaged": true
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                    "availableSize": 5031763902464,
                    "isManaged": true
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              "name": "CTOA-MHA-set-01_Srikar",
              "children": [
                {
                  "name": "CTOA-SHA-set-02",
                  "children": null,
                  "morId": "resgroup-2873"
                },
                {
                  "name": "CTOA-SHA-set-01_Srikar",
                  "children": null,
                  "morId": "resgroup-2819"
                },
                {
                  "name": "CTOA-MHA-set-04",
                  "children": null,
                  "morId": "resgroup-2878"
                },
                {
                  "name": "CTOA-SHA-set-04",
                  "children": null,
                  "morId": "resgroup-2877"
                },
                {
                  "name": "CTOA-SHA-set-03",
                  "children": null,
                  "morId": "resgroup-2875"
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                }
              ],
              "morId": "resgroup-2872"
            },
            {
              "name": "NSX",
              "children": null,
              "morId": "resgroup-9740"
            },
            {
              "name": "rpraveen",
              "children": null,
              "morId": "resgroup-20504"
            },
            {
              "name": "Hari",
              "children": null,
              "morId": "resgroup-13392"
            }
          ]
        },
        {
          "hosts": [],
          "cpu": 0,
          "memory": 0,
          "storages": [],
          "networks": [],
          "virtualMachineTemplates": [],
          "isManaged": null,
          "clusterName": "Cluster-dummy",
          "resourcePools": []
        }
      ],
      "folders": [
        {
          "name": "Discovered virtual machine",
          "morId": "group-v28",
          "children": null
        },
        {
          "name": "Nightly_atuomation_folder",
          "morId": "group-v12351",
          "children": null
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        {
          "name": "mb",
          "morId": "group-v24743",
          "children": null
        },
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          "name": "saravinth",
          "morId": "group-v10907",
          "children": null
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        {
          "name": "Srikar",
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"morId": "group-v10622",
"children": [
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    "name": "SM11",
    "morId": "group-v10681",
    "children": null
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  {
    "name": "vIDM",
    "morId": "group-v10732",
    "children": [
      {
        "name": "PG",
        "morId": "group-v13481",
        "children": null
      }
    ]
  },
  {
    "name": "LARGE",
    "morId": "group-v10683",
    "children": null
  },
  {
    "name": "PROD",
    "morId": "group-v13438",
    "children": null
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  {
    "name": "SMX",
    "morId": "group-v12407",
    "children": null
  },
  {
    "name": "AD",
    "morId": "group-v12011",
    "children": null
  },
  {
    "name": "SM14",
    "morId": "group-v12104",
    "children": null
  },
  {
    "name": "SM12",
    "morId": "group-v11944",
    "children": null
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    "children": null
  },
  {
    "name": "SM13",
    "morId": "group-v12103",
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                "children": null
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                "name": "vRLCM",
                "morId": "group-v12057",
                "children": null
              },
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                "name": "SM04",
                "morId": "group-v11002",
                "children": null
              },
              {
                "name": "SM03",
                "morId": "group-v10821",
                "children": null
              }
            ]
          }
        ]
      }
    ],
    "templateCustomSpecs": [
      {
        "name": "Windows-NoDomain"
      },
      {
        "name": "DeployDB-devLcmLocal"
      },
      {
        "name": "vgadre"
      },
      {
        "name": "windows-sree"
      },
      {
        "name": "Windows_sri"
      },
      {
        "name": "Kumaran"
      },
      {
        "name": "Kumaran-testing"
      },
      {
        "name": "DineshWin1006"
      },
      {
        "name": "VG-WIN-Config"
      },
      {
        "name": "Windows_lcm_sri"
      },
      {
        "name": "Windows_local_sri"
      },
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    {
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    },
    {
      "name": "Windows_lcm_dev_sri"
    }
  ],
  "contentLibraries": [
    {
      "contentLibraryName": "binaries",
      "contentLibraryId": "bfba42b9-3b23-4dad-a9d4-
599e266ac9eb",
      "contentLibraryItems": []
    },
    {
      "contentLibraryName": "vidm_win_connector_template",
      "contentLibraryId": "b734fcd8-4852-4466-8bcc-
5417001c1853",
      "contentLibraryItems": [
        {
          "contentLibraryItemName": "anusha_win-connector-
v1",
          "contentLibraryItemId": "ea53645f-fd15-4ceb-a339-
20d01c7e057c"
        },
        {
          "contentLibraryItemName": "anusha_win-connector-
v1",
          "contentLibraryItemId": "635d76c0-fc19-4b2a-a1f4-
c132f21149c1"
        },
        {
          "contentLibraryItemName": "anusha_win-connector-
v2",
          "contentLibraryItemId": "895e2435-4b79-4eee-8aa0-
ce01200f6c2e"
        }
      ]
    }
  ],
  "name": "VC4"
}
```

Update a vCenter	PUT	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/{vCenterName}
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		vCenterName : VC1
		
		Request body : "vCenterRequestDTO"
		{
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "administrator@vsphere.local",
		"vcPassword": "VRSLCM1!",
		"vcUsedAs": "MANAGEMENT"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "04eef002-5e9b-4baf-bafb-efa294a42e29"
		}	

Delete a vCenter	DELETE	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/{vCenterName}
		Request parameter :
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		vCenterName : VC1
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "04eef002-5e9b-4baf-bafb-efa294a42e29"
		}	

Trigger vCenter Data Collection	POST	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/{vCenterName}/data-collection
		Request parameters :
		
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		vCenterName : VC1
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "31ea6050-5f55-438b-a0f3-bfd90db8483a"
		}	

Get All Environments Associated with a vCenter	GET	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/{vCenterName}/environments
		Request parameters :
		
		dataCenterVmid : ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2
		vCenterName : VC3
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "environmentId": "globalenvironment",
		  "environmentName": "globalenvironment",
		  "environmentHealth": null,
		  "logHistory": null,
		  "environmentStatus": "COMPLETED",
		  "infrastructure": {
		  "properties": {
		  "regionName": "default",
		  "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		  "zoneName": "default",
		  "defaultPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password"
		  }
		  },
		  "products": [
		  {
		  "id": "vidm",
		  "version": "3.3.2",
		  "patchHistory": null,
		  "snapshotHistory": null,
		  "logHistory": null,
		  "clusterVIP": null,
		  "nodes": [
		  {
		  "type": "vidm-primary",
		  "properties": {
		  "hostName": "lcm2-187-31.sqa.local",
		  "cluster": "ESO_VC07_Cluster_07",
		  "esxHost": "w1-hs1-g0312.eng.vmware.com",
		  "memory": "6",
		  "diskMode": "thin",
		  "vCenterHost": "eso-vc07.eng.vmware.com",
		  "storage": "ESO_VC07_Cluster_07_vsanDatastore01",
		  "network": "WDC_HAAS_VM_VLAN1100",
		  "capacity": "60.2",
		  "vidmRootPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		  "vidmSystemAdminPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		  "enableTelemetry": "true",	

```
              "affinityRules": null,
              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "2",
              "resourcePool": null,
              "vmName": "dgnaneswaran_SS_VIDM_331",
              "esxHostBuild": "7967591",
              "vidmSshPassword": "locker:password:314c2f02-
27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
              "ip": "10.196.187.31",
              "dns": "10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
              "domain": "sqa.local",
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
              "__sshVerified": "true",
              "__verified": "true",
              "netmask": "255.255.255.0",
              "__vMoid": "vm-27422"
            }
          },
          {
            "type": "vidm-connector",
            "properties": {
              "hostName": "lcm2-187-31.sqa.local",
              "cluster": "ESO_VC07_Cluster_07",
              "esxHost": "w1-hs1-g0312.eng.vmware.com",
              "memory": "6",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "masterTenantId": "LCM2-187-31",
              "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
              "windowsDeployement": "false",
              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "60.2",
              "instanceId": "0af62f9f-960c-426f-b26a-
69de0f314d81",
              "affinityRules": null,
              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "2",
              "resourcePool": null,
              "canBeDeleted": "true",
              "vmName": "dgnaneswaran_SS_VIDM_331",
              "esxHostBuild": "7967591",
              "ip": "10.196.187.31",
              "dns": "10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
              "version": "3.3.2",
              "domainJoined": "null",
              "port": "8443",
              "domain": "sqa.local",
              "vcUsername": "sampaths.admin@sqa.local",
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                "folderName": null,
                "gateway": "10.196.187.253",
                "searchpath": "sqa.local",
                "netmask": "255.255.255.0",
                "__vMoid": "vm-27422"
              }
            }
          ],
          "properties": {
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            "__enableTenancy": "false",
            "defaultConfigurationUsername": "configadmin",
            "isClustered": "false",
            "certificateChain": "-----BEGIN CERTIFICATE-----
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ciBDQTEPMA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA1MD
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DwEB/wQEAwIFoDAgBgNVHSUB\nAf8EFjAUBggrBgEFBQcDAgYIKwYBBQUHAw
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CERTIFICATE-----\n",
          "__isTenantByPath": "false",
          "vidmAdminPassword": "locker:password:314c2f02-
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          "defaultConfigurationPassword":
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e0dda61e4c88:VMware-Default-Password",
          "vidmDomainName": "sqa.local",
          "__isMigrationRequest": "false",
          "syncGroupMembers": "true",
          "adminEmail": null,
          "vidmOAuthServiceClientId":
"Service__OAuth2Client",
          "vidmOAuthServiceClientSecret":
"wrxXl5RMGYnrhyRk0EE9tiI5upiebQBn",
          "__isTenancyEnabled": "false",
          "vidmDBType": "postgresql",
          "__vidmIsExternalDB": "false",
          "__vidmHasExternalConnectors": "false",
          "__vidmFormFactor": "true"
        }
      }
    ]
  },
  {
    "environmentId":
"vRSSmallImportEnvironment1595601218016",
    "environmentName": "vRS Small Import Environment",
    "environmentHealth": "{\n  \"environmentId\" :
\"vRSSmallImportEnvironment1595601218016\",\n
\"sddcOverviewDashboardUri\" : null,\n
\"productHealthList\" : [ ],\n  \"healthCheckErrorCode\" :
\"1\",\n  \"healthCheckErrorMsg\" : \"Install SDDC
Management Health Solution in vRealize Operations to monitor
health\"\n}",
    "logHistory": null,
    "environmentStatus": "COMPLETED",
    "infrastructure": {
      "properties": {
        "regionName": "default",
        "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
        "zoneName": "default",
        "defaultPassword": "locker:password:2c692f41-7b78-
437f-8325-322350daeedc:Products-Default-Admin-Password"
      }
    },
    "products": [
      {
        "id": "vra",
        "version": "8.0.1",
        "patchHistory": null,
        "snapshotHistory": null,
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        "logHistory": null,
        "clusterVIP": null,
        "nodes": [
          {
            "type": "vrava-primary",
            "properties": {
              "hostName": "lcm2-187-32.sqa.local",
              "cluster": "ESO_VC07_Cluster_07",
              "esxHost": "w1-hs1-g0312.eng.vmware.com",
              "memory": "32",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "222.0",
              "affinityRules": null,
              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "rootPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "cpuCount": "8",
              "resourcePool": null,
              "vmName": "dgnaneswaran_SS_vrava_prelude_SN",
              "esxHostBuild": "7967591",
              "ip": "10.196.187.32",
              "dns": "10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
              "latestPatchVersion": "8.0.1.7355",
              "domain": "sqa.local",
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
              "netmask": null,
              "__vMoid": "vm-27427",
              "__verified": "true"
            }
          }
        ],
        "properties": {
          "certificateChain": "-----BEGIN CERTIFICATE-----
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+DUTDMzJqsbHCkz7UIOXCrh4EQqqgSaAVGsHtK0ecZPsqn3qceoqYY\n1oVe
gDOTUpJ8VbqgYvXbZW1TKaTAaWpIem4B1LsH5lzPjfP3iPncXDEj0EnuDa8b
\n7PElb/PCjkffwX/lddiTlINW7lqem5MabYzS19QJcoQUM0F/WrGMJQYWCm
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        "logHistory": null,
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              "cluster": "ESO_VC07_Cluster_07",
              "esxHost": "w1-hs1-g0315.eng.vmware.com",
              "memory": "8",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "530.0",
              "nodeSize": "small",
              "affinityRules": null,
              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "4",
              "rootPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "resourcePool": null,
              "vmName": "dgnaneswaran_SS_small_vrli",
              "esxHostBuild": "7967591",
              "ip": "10.196.187.38",
              "dns": "10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
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              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
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                "__vMoid": "vm-27428",
                "__verified": "true"
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            }
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            "__version": "8.0.0",
            "nodeSize": "small",
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          "vrliAdminPassword": "locker:password:2c692f41-
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Password",
          "masterVidmEnabled": "true",
          "license-1": "{\"alias\":\"vRS Small Import
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oductVersionMap\":{\"vrni\":[],\"vrops\":[\"8.1.1\",\"8.2.0\
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        }
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        "clusterVIP": null,
        "nodes": [
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            "properties": {
              "hostName": "vrni-proxy-release",
              "cluster": "ESO_VC07_Cluster_07",
              "esxHost": "w1-hs1-g0314.eng.vmware.com",
              "memory": "12",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "vrniPlatformPassword":
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322350daeedc:Products-Default-Admin-Password",
              "storage":
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              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "214.8",
              "affinityRules": null,

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              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "4",
              "vrniNodeSize": "medium",
              "resourcePool": null,
              "vmName": "dgnaneswaran_SS_small_vrni_proxy",
              "esxHostBuild": "7967591",
              "ip": "10.196.187.40",
              "dns": "10.141.66.213 10.118.183.252",
              "ESXI Version": "6.5.0",
              "supportUserName": "support",
              "consolePassword": "locker:password:2c692f41-
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              "supportPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "domain": null,
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
              "netmask": "255.255.255.0",
              "__vMoid": "vm-27432",
              "__supportverified": "true",
              "__consoleverified": "true",
              "ntp": "ntp1.eng.vmware.com"
            }
          },
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            "type": "vrni-platform",
            "properties": {
              "hostName": "vrni-platform-release",
              "cluster": "ESO_VC07_Cluster_07",
              "esxHost": "w1-hs1-g0312.eng.vmware.com",
              "memory": "32",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "vrniPlatformPassword":
"locker:password:2c692f41-7b78-437f-8325-
322350daeedc:Products-Default-Admin-Password",
              "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "1024.0",
              "isMaster": "true",
              "affinityRules": null,
              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "8",
              "vrniNodeSize": "medium",
              "resourcePool": null,
              "platformIP": "10.196.187.39",
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              "esxHostBuild": "7967591",
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              "masterIP": "10.196.187.39",
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              "consolePassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "supportPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-
Password",
              "domain": null,
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
              "netmask": "255.255.255.0",
              "__vMoid": "vm-27430",
              "__supportverified": "true",
              "__consoleverified": "true",
              "ntp": "ntp1.eng.vmware.com"
            }
          }
        ],
        "properties": {
          "vrniPlatformUserName": "admin@local",
          "license": "M543G-001E3-18T89-0MZ8P-CD7MZ",
          "masterVidmHostName": null,
          "certificateChain": "-----BEGIN CERTIFICATE-----
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CERTIFICATE-----\n",
          "consolePassword": "locker:password:2c692f41-7b78-
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		"supportPassword": "locker:password:2c692f41-7b78-437f-8325-322350daeedc:Products-Default-Admin-Password", "vrniPlatformPassword": "locker:password:2c692f41-7b78-437f-8325-322350daeedc:Products-Default-Admin-Password", "masterVidmEnabled": "false", "license-1": "{\"alias\":\"vRS Small Import Environment-vrni-M543G-XXXX-CD7MZ\",\"key\":\"M543G-001E3-18T89-0MZ8P-CD7MZ\",\"description\":\"vRealize Network Insight\",\"quantity\":200,\"unit\":\"cpu\",\"type\":\"standalone\",\"account\":null,\"expiry\":0,\"status\":\"ACTIVE\",\"onPremAllocation\":null,\"startDate\":null,\"endDate\":null,\"casId\":null,\"lintId\":null,\"falconId\":null,\"productVersionMap\":{\"vrni\":[\"4.2.0\",\"5.0.0\",\"5.1.0\",\"5.2.0\",\"5.3.0\"],\"vrops\":[],\"vra\":[],\"vrbc\":[],\"vrli\":[]},\"expired\":false}", "licenseVmid": "34256b6a-c470-48fe-8298-526c23d4f295" } }] }]	

Validate vCenter Details	POST	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/validate
		Request parameters :
		dataCenterVmid : d7689aa2-8b4d-4c60-a560-d733a089c558
		vCenterName : VC1
		
		Request body :
		{
		"vCenterName": "VC1",
		"vCenterHost": "lcm-vc.sqa.local",
		"vcUsername": "devuser@vsphere.local",
		"vcPassword": "locker:password:65b3111f-5512-4915-b68c-d1c0fde2f86e:VC2-password",
		"vcUsedAs": "MANAGEMENT"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "0fb80ba6-0e0f-42a1-84ff-d30d3705f362"
		}	

Import vCenters using a JSON/CSV File	POST	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/import
		Request parameters :
		dataCenterVmid : 768be52e-09b8-4ec9-a8b2-4510c236fdd3
		vCenterImportFile : vCenters.json
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "vCenterHost": "lcm-vc2.sqa.local",
		  "vCenterName": "vCenter2",
		  "vcPassword": "VMware",
		  "vcUsedAs": "MANAGEMENT",
		  "vcUsername": "devuser@vsphere.local"
		  },
		  {
		  "vCenterHost": "lcm-vc1.sqa.local",
		  "vCenterName": "vCenter1",
		  "vcPassword": "Vmware5!",
		  "vcUsedAs": "MANAGEMENT",
		  "vcUsername": "administrator@vsphere.local"
		  }
		]	

Validate vCenters to import using a JSON/CSV File	POST	/lcm/lcops/api/v2/datacenters/{dataCenterVmid}/vcenters/import/validate
		Request parameter :
		dataCenterVmid : 768be52e-09b8-4ec9-a8b2-4510c236fdd3
		vCenterImportFile : vCenters.json
		
		Response code : 200 OK
		Response body :
		[
		{
		"vCenterHost": "lcm-vc2.sqa.local",
		"vCenterName": "vCenter2",
		"vcPassword": "VMware",
		"vcUsedAs": "MANAGEMENT",
		"vcUsername": "devuser@vsphere.local"
		},
		{
		"vCenterHost": "lcm-vc1.sqa.local",
		"vCenterName": "vCenter1",
		"vcPassword": "VMware",
		"vcUsedAs": "MANAGEMENT",
		"vcUsername": "administrator@vsphere.local"
		}
		]
			"vcUsedAs" field can have values : **MANAGEMENT**, **WORKLOAD** and **MANAGEMENT_AND_WORKLOAD**
			
			"**vCenterImportFile"** could be either **CSV** or **JSON** file
			
			Content of File - vCenters.json
			{
			"vCenterHost": "lcm-vc2.sqa.local",
			"vCenterName": "vCenter2",
			"vcPassword": "VMware!805",

			"vcUsedAs": "MANAGEMENT",
			
			"vcUsername": "devuser@vsphere.local"
			},
			{
			
			"vCenterHost": "lcm-vc1.sqa.local",
			
			"vCenterName": "vCenter1",
			
			"vcPassword": "VMware189!",
			
			"vcUsedAs": "MANAGEMENT",
			
			"vcUsername": "administrator@vsphere.local"
			}
			]

Product Policy Operation APIs

Name	HTTP Method	Endpoint
Get All Supported Versions	GET	/lcm/lcops/api/v2/policy/products/{productId}/versions Request parameter : productId : vra Response code : 200 OK Response body : ["8.0.1", "8.1.0", "8.2.0"]
Get All Node Types	GET	/lcm/lcops/api/v2/policy/products/{productId}/versions/{version}/node-types Request parameter : productId : vra version: 8.1.0 Response code : 200 OK Response body : ["vrava-primary", "vrava-secondary"]

Environment Operation APIs

Name	HTTP Method	Endpoint	Description

Get all Environments	GET	/lcm/lcops/api/v2/environments
		Request parameter :
		status : COMPLETED
		
		Response code : 200 OK
		Response body:
		[
		  {
		  "environmentId": "globalenvironment",
		  "environmentName": "globalenvironment",
		  "environmentHealth": null,
		  "logHistory": null,
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		  "infrastructure": {
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		  "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		  "zoneName": "default",
		  "defaultPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password"
		  }
		  },
		  "products": [
		  {
		  "id": "vidm",
		  "version": "3.3.2",
		  "patchHistory": null,
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		  "clusterVIP": null,
		  "nodes": [
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		  "type": "vidm-primary",
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		  "cluster": "ESO_VC07_Cluster_07",
		  "esxHost": "w1-hs1-g0312.eng.vmware.com",
		  "memory": "6",
		  "diskMode": "thin",
		  "vCenterHost": "eso-vc07.eng.vmware.com",
		  "storage": "ESO_VC07_Cluster_07_vsanDatastore01",
		  "network": "WDC_HAAS_VM_VLAN1100",
		  "capacity": "60.2",
		  "vidmRootPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		  "vidmSystemAdminPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		  "enableTelemetry": "true",
		  "affinityRules": null,
		  "vcPassword": "locker:password:fdc0bc98-3cef-4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
		  "cpuCount": "2",
			Here "**status**" can be **COMPLETED, FAILED or INPROGRESS**

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          "__isTenancyEnabled": "false",
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          "__vidmIsExternalDB": "false",
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      }
    ]
  },
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              "resourcePool": null,
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crWLgg6lC\nD+n1WagYm3RcWPt60C3Tvw2L7TLdZ6KCzFz4zO819odopmnbMT
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uJdEufOTQjmZ4NfxLsW8S9p2\n5hrLY5kU7DC74BE+JNY80O1dxtz/Qr4+16X
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sr9a+s/MYuTjR1K8wXdMQLl3+0FObQ\n-----END CERTIFICATE-----\n",
          "__productId": "vrli",
          "ntp": "ntp1.eng.vmware.com",
          "vrliClusterVips": "",
          "rootPassword": "locker:password:2c692f41-7b78-
437f-8325-322350daeedc:Products-Default-Admin-Password",
          "vrliAdminPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-Password",
          "masterVidmEnabled": "true",
          "license-1": "{\"alias\":\"vRS Small Import
Environment-vrli-H109R-XXXX-2EUMY\",\"key\":\"H109R-40391-
M828D-0PARH-2EUMY\",\"description\":\"VMware vRealize Suite
2018
Enterprise\",\"quantity\":10,\"unit\":\"plu\",\"type\":\"vRea

```
lizeSuite\",\"account\":null,\"expiry\":0,\"status\":\"ACTIVE
\",\"onPremAllocation\":null,\"startDate\":null,\"endDate\":n
ull,\"casId\":null,\"lintId\":null,\"falconId\":null,\"produc
tVersionMap\":{\"vrni\":[],\"vrops\":[\"8.1.1\",\"8.2.0\",\"8
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0.0\",\"8.1.0\",\"8.0.1\",\"7.5.0\",\"7.6.0\"],\"vrbc\":[\"7.
5.0\",\"7.6.0\"],\"vrli\":[\"4.8.0\",\"8.1.1\",\"8.2.0\",\"8.
0.0\",\"8.1.0\"]},\"expired\":false}",
          "licenseVmid": "6b45a2d0-934a-42f5-87b4-
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        }
      },
      {
        "id": "vrni",
        "version": "5.1.0",
        "patchHistory": null,
        "snapshotHistory": null,
        "logHistory": null,
        "clusterVIP": null,
        "nodes": [
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            "properties": {
              "hostName": "vrni-proxy-release",
              "cluster": "ESO_VC07_Cluster_07",
              "esxHost": "w1-hs1-g0314.eng.vmware.com",
              "memory": "12",
              "diskMode": "thin",
              "vCenterHost": "eso-vc07.eng.vmware.com",
              "vrniPlatformPassword":
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322350daeedc:Products-Default-Admin-Password",
              "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
              "network": "WDC_HAAS_VM_VLAN1100",
              "capacity": "214.8",
              "affinityRules": null,
              "vcPassword": "locker:password:fdc0bc98-3cef-
4f76-9f75-06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "4",
              "vrniNodeSize": "medium",
              "resourcePool": null,
              "vmName": "dgnaneswaran_SS_small_vrni_proxy",
              "esxHostBuild": "7967591",
              "ip": "10.196.187.40",
              "dns": "10.141.66.213 10.118.183.252",
              "ESXI Version": "6.5.0",
              "supportUserName": "support",
              "consolePassword": "locker:password:2c692f41-
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              "supportPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-Password",
              "domain": null,
              "vcUsername": "sampaths.admin@sqa.local",
              "folderName": null,
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                "__consoleverified": "true",
                "ntp": "ntp1.eng.vmware.com"
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                "hostName": "vrni-platform-release",
                "cluster": "ESO_VC07_Cluster_07",
                "esxHost": "w1-hs1-g0312.eng.vmware.com",
                "memory": "32",
                "diskMode": "thin",
                "vCenterHost": "eso-vc07.eng.vmware.com",
                "vrniPlatformPassword":
"locker:password:2c692f41-7b78-437f-8325-
322350daeedc:Products-Default-Admin-Password",
                "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
                "network": "WDC_HAAS_VM_VLAN1100",
                "capacity": "1024.0",
                "isMaster": "true",
                "affinityRules": null,
                "vcPassword": "locker:password:fdc0bc98-3cef-
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                "cpuCount": "8",
                "vrniNodeSize": "medium",
                "resourcePool": null,
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                "masterIP": "10.196.187.39",
                "ip": "10.196.187.39",
                "dns": "10.141.66.213 10.118.183.252",
                "ESXI Version": "6.5.0",
                "supportUserName": "support",
                "license": "M543G-001E3-18T89-0MZ8P-CD7MZ",
                "consolePassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-Password",
                "supportPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-Password",
                "domain": null,
                "vcUsername": "sampaths.admin@sqa.local",
                "folderName": null,
                "gateway": "10.196.187.253",
                "searchpath": "sqa.local",
                "netmask": "255.255.255.0",
                "__vMoid": "vm-27430",
                "__supportverified": "true",
                "__consoleverified": "true",
                "ntp": "ntp1.eng.vmware.com"
              }
```

```
          }
        ],
        "properties": {
          "vrniPlatformUserName": "admin@local",
          "license": "M543G-001E3-18T89-0MZ8P-CD7MZ",
          "masterVidmHostName": null,
          "certificateChain": "-----BEGIN CERTIFICATE-----
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BDQTEPMA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA1MDYxM
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IAdS8+ja4dLDQLBIOnNMvVa9TSTctEHQDf\nTvTiJdQijlPTtJBhUwwAOR+aG
QFiFJUtzyYqCFW5ra3dHnVYuEnhppdbpzVkPoNQ\nhb95oiGDM4ql5uEd9Dh1
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          "consolePassword": "locker:password:2c692f41-7b78-
437f-8325-322350daeedc:Products-Default-Admin-Password",
          "supportPassword": "locker:password:2c692f41-7b78-
437f-8325-322350daeedc:Products-Default-Admin-Password",
          "vrniPlatformPassword": "locker:password:2c692f41-
7b78-437f-8325-322350daeedc:Products-Default-Admin-Password",
          "masterVidmEnabled": "false",
          "license-1": "{\"alias\":\"vRS Small Import
Environment-vrni-M543G-XXXX-CD7MZ\",\"key\":\"M543G-001E3-
18T89-0MZ8P-CD7MZ\",\"description\":\"vRealize Network
Insight\",\"quantity\":200,\"unit\":\"cpu\",\"type\":\"standa
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onPremAllocation\":null,\"startDate\":null,\"endDate\":null,\
"casId\":null,\"lintId\":null,\"falconId\":null,\"productVers
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"5.3.0\"],\"vrops\":[],\"vra\":[],\"vrbc\":[],\"vrli\":[]},\"
expired\":false}",
          "licenseVmid": "34256b6a-c470-48fe-8298-
526c23d4f295"
        }
      }
    ]
  }
]
```

Create an Environment	POST	/lcm/lcops/api/v2/environments
		Deployments
		vRA - vSSC Integration deployment
		vRA - vSSC Integration deployment
		{
		"environmentId": "ea9112b2-47f0-4986-b31b-3299ece314e7",
		"environmentName": "vSSC_install_env",
		"environmentDescription": "vSSC integration deployment",
		"environmentHealth": null,
		"logHistory": null,
		"environmentStatus": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "a02c1138-334c-47f3-8889-ef95ea9a06dc",
		"regionName": "",
		"zoneName": "",
		"vCenterName": "vc2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "Administrator@vsphere.local",
		"vcPassword": "locker:password:ff94fae5-d219-4479-aa3e-cbea8b3d6010:VMware1!-vc",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"defaultPassword": "locker:password:1afbb28f-0b04-4b02-a451-705c1d8ba984:VMware1!",
		"certificate": "locker:certificate:e2a6e05a-7d81-467d-9e63-cf1aab53d7ca:sqa",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-03",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "sqa.local",
		"gateway": "",
		"netmask": "",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false",
		"vcfProperties": "{\"vcfEnabled\":false,\"sddcManagerDetails\":[]}",
		"_selectedProducts": "[{\"id\":\"vssc\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"8.3.0\":[\"standard\"],\"8.4.0\":[\"standard\"]},\"selectedVersion\":\"8.4.0\",\"selectedDeploymentType\":\"standard\",\"tenantId\":\"base tenant\",\"description\":\"vRealize Automation SaltStack Config is a powerful software configuration management capability available in vRealize Automation. Easily define optimized, compliant software states and enforce them across your entire environment—virtualized, hybrid or public cloud—with powerful, intuitive
			Deployments vROPS
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Integrate with vidm :-
			
			"masterVidmEnabled": "true"
			
			"masterVidmEnabled": "false"
			
			TimeSync Mode :
			
			For ntp time sync mode :

configuration automation.\",\"detailsHref\":\"https://www.saltstack.com/saltstack-integrations\",\"errorMessage\":null,\"productVersions\":[{\"version\":\"8.4.0\",\"deploymentType\":[\"standard\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://www.saltstack.com/products/saltstack-enterprise/\",\"productInfo\":\"vRealize Automation SaltStack Config - 8.4.0\",\"deploymentType\":null,\"deploymentItems\":null,\"additionalInfo\":null}},{\"version\":\"8.3.0\",\"deploymentType\":[\"standard\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://docs.vmware.com/en/vRealize-Automation/8.3/SaltStackConfig/GUID-A941937E-3404-4EF7-865F-B94CA035FF24.html\",\"productInfo\":\"vRealize Automation SaltStack Config - 8.3.0\",\"deploymentType\":[\"Standard\"],\"deploymentItems\":{\"Node Count\":[\"1\"]},\"additionalInfo\":[\"*Standard - Single node deployment\"]}}]},{\"id\":\"vra\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"8.3.0\":[\"standard\",\"cluster\"],\"8.4.0\":[\"standard\",\"cluster\"]},\"selectedVersion\":\"8.4.0\",\"selectedDeploymentType\":\"standard\",\"tenantId\":\"Standalone vRASSC\",\"description\":\"VMware vRealize Automation lets you deploy across a multi-vendor hybrid cloud infrastructure, giving you both flexibility and investment protection for current and future technology choices.\",\"detailsHref\":\"https://docs.vmware.com/en/vRealize-Automation/index.html\",\"errorMessage\":null,\"productVersions\":[{\"version\":\"8.3.0\",\"deploymentType\":[\"standard\",\"cluster\"],\"productDeploymentMetaData\":{\"sizingURL\":null,\"productInfo\":\"vRealize Automation-8.3.0\",\"deploymentType\":[\"Standard\",\"Cluster\"],\"deploymentItems\":{\"Node Count\":[\"1\",\"3\"]},\"additionalInfo\":[\"*Standard - One vRA node will be deployed\",\"*Cluster - Three vRA node will be deployed\"]}},{\"version\":\"8.4.0\",\"deploymentType\":[\"standard\",\"cluster\"],\"productDeploymentMetaData\":{\"sizingURL\":null,\"productInfo\":\"vRealize Automation-8.4.0\",\"deploymentType\":[\"Standard\",\"Cluster\"],\"deploymentItems\":{\"Node Count\":[\"1\",\"3\"]},\"additionalInfo\":[\"*Standard - One vRA node will be deployed\",\"*Cluster - Three vRA node will be deployed\"]}}]}]",
      "_isRedeploy": "false",
      "_isResume": "false",
      "_leverageProximity": "false",
      "__isInstallerRequest": "false"
    }
  },
  "products": [
    {
      "id": "vssc",
      "version": "8.4.0",

"timeSyncMode": "ntp",

"ntp": "ntp1.eng.vmware.com"

For setting hostTime as time sync mode:

"timeSyncMode": "host"

Deployment Type :

Extra Small : "deployOption": "xsmall"

Small : "deployOption": "small"

Large : "deployOption": "large"

Extra large : "deployOption": "xlarge"

		"properties": {
		"contentLibraryItemId": "",
		"certificate": "locker:certificate:e2a6e05a-7d81-467d-9e63-cf1aab53d7ca:sqa",
		"productPassword": "locker:password:1afbb28f-0b04-4b02-a451-705c1d8ba984:VMware1!",
		"tenantId": "base tenant",
		"licenseRef": "locker:license:72e252ee-5d4a-4edb-bbfa-650fae99a184:vRLI-with-fips-36-vrli-DJ481-XXXX-9XN0N",
		"fipsMode": "false"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vssc-raas",
		"properties": {
		"vmName": "vssc-raas",
		"hostName": "sqa.local",
		"ip": "3.3.3.3"
		}
		}
		]
		},
		{
		"id": "vra",
		"version": "8.4.0",
		"properties": {
		"certificate": "locker:certificate:e2a6e05a-7d81-467d-9e63-cf1aab53d7ca:sqa",
		"contentLibraryItemId": "",
		"productPassword": "locker:password:1afbb28f-0b04-4b02-a451-705c1d8ba984:VMware1!",
		"nodeSize": "medium",
		"vraK8ServiceCidr": "",
		"vraK8ClusterCidr": "",
		"fipsMode": "false",
		"ntp": "",
		"timeSyncMode": "host",
		"licenseRef": "locker:license:72e252ee-5d4a-4edb-bbfa-650fae99a184:vRLI-with-fips-36-vrli-DJ481-XXXX-9XN0N"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vrava-primary",
		"properties": {
		"vmName": "vrava-primary",
		"hostName": "sqa.local",
		"ip": "5.5.5.5"
		}
		}
		]
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			`locker:password:<vmid>:<alias>`
			
			Certificate:

		`}`
		`]`
		`}`
		vSSC Standalone
		vSSC Standalone
		`{`
		`"environmentId": "ea9112b2-47f0-4986-b31b-3299ece314e7",`
		`"environmentName": "vSSC_install_env",`
		`"environmentDescription": "vSSC standalone deployment",`
		`"environmentHealth": null,`
		`"logHistory": null,`
		`"environmentStatus": null,`
		`"infrastructure": {`
		`"properties": {`
		`"dataCenterVmid": "a02c1138-334c-47f3-8889-ef95ea9a06dc",`
		`"regionName": "",`
		`"zoneName": "",`
		`"vCenterName": "vc2",`
		`"vCenterHost": "lcm-vc2.sqa.local",`
		`"vcUsername": "Administrator@vsphere.local",`
		`"vcPassword": "locker:password:ff94fae5-d219-4479-aa3e-cbea8b3d6010:VMware1!-vc",`
		`"acceptEULA": "true",`
		`"enableTelemetry": "true",`
		`"defaultPassword": "locker:password:1afbb28f-0b04-4b02-a451-705c1d8ba984:VMware1!",`
		`"certificate": "locker:certificate:e2a6e05a-7d81-467d-9e63-cf1aab53d7ca:sqa",`
		`"cluster": "Datacenter#Cluster-01",`
		`"storage": "ISCSI-15TB-03",`
		`"folderName": "",`
		`"resourcePool": "",`
		`"diskMode": "thin",`
		`"network": "infra-traffic-1024",`
		`"masterVidmEnabled": "false",`
		`"dns": "1.1.1.1",`
		`"domain": "sqa.local",`
		`"gateway": "2.2.2.2",`
		`"netmask": "3.3.3.3",`
		`"searchpath": "sqa.local",`
		`"timeSyncMode": "host",`
		`"ntp": "",`
		`"isDhcp": "false",`
		`"vcfProperties": "{\"vcfEnabled\":false,\"sddcManagerDetails\":[]}",`
		`"_selectedProducts": "[{\"id\":\"vssc\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"8.3.0\":[\"standard\"],\"8.4.0\":[\"standard\"]},\"selectedVersion\":\"8.4.0\",\"selectedDeploymentType\":\"standard\",\"tenantId\":\"Standalone vRASSC\",\"description\":\"vRealize Automation SaltStack Config is a powerful software configuration management capability available in vRealize Automation. Easily define optimized, compliant software states and enforce them across`
			`locker:certificate:<vmid>:<alias>`
			
			License:
			
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vROPs replica node deployment is High

		your entire environment—virtualized, hybrid or public cloud—with powerful, intuitive configuration automation.\",\"detailsHref\":\"https://www.saltstack.com/saltstack-integrations\",\"errorMessage\":null,\"productVersions\":[{\"version\":\"8.4.0\",\"deploymentType\":[\"standard\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://www.saltstack.com/products/saltstack-enterprise/\",\"productInfo\":\"vRealize Automation SaltStack Config - 8.4.0\",\"deploymentType\":null,\"deploymentItems\":null,\"additionalInfo\":null}},{\"version\":\"8.3.0\",\"deploymentType\":[\"standard\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://docs.vmware.com/en/vRealize-Automation/8.3/SaltStackConfig/GUID-A941937E-3404-4EF7-865F-B94CA035FF24.html\",\"productInfo\":\"vRealize Automation SaltStack Config - 8.3.0\",\"deploymentType\":[\"Standard\"],\"deploymentItems\":{\"Node Count\":[\"1\"]},\"additionalInfo\":[\"*Standard - Single node deployment\"]}}]}]",
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		"_isResume": "false",
		"_leverageProximity": "false",
		"__isInstallerRequest": "false"
		}
		},
		"products": [
		{
		"id": "vssc",
		"version": "8.4.0",
		"properties": {
		"contentLibraryItemId": "",
		"certificate": "locker:certificate:e2a6e05a-7d81-467d-9e63-cf1aab53d7ca:sqa",
		"productPassword": "locker:password:1afbb28f-0b04-4b02-a451-705c1d8ba984:VMware1!",
		"tenantId": "Standalone vRASSC",
		"licenseRef": "locker:license:a52abf9a-4656-4718-afd8-4e44eec26136:vssc_licese",
		"fipsMode": "false"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vssc-raas",
		"properties": {
		"vmName": "rvishnuvardjan-vssc-raas-123",
		"hostName": "sqa.local",
		"ip": "4.4.4.4"
		}
		}
		]
		}
		]
			Availability , we can do HA deployment during install flow or during scale out flow
			
			Deploy Nodes in Different vCenter:
			
			Add all the properties under node type as shown for remotecollector node.
			
			vRLI
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deploym

		}
		vROPS
		Request body : "environmentRequestDTO"
		{
		  "environmentName": "vrops_large_deployments",
		  "environmentDescription": "vROPs environment deployment",
		  "infrastructure": {
		    "properties": {
		      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		      "regionName": "default",
		      "zoneName": "default",
		      "vCenterName": "LCM-VC2",
		      "vCenterHost": "lcm-vc2.sqa.local",
		      "vcUsername": "autouser@vsphere.local",
		      "vcPassword": "",
		      "acceptEULA": "true",
		      "enableTelemetry": "true",
		      "adminEmail": "abc@vmware.com",
		      "defaultPassword": "",
		      "certificate": "",
		      "cluster": "Datacenter#Cluster-01",
		      "storage": "ISCSI-15TB-04",
		      "folderName": "",
		      "resourcePool": "",
		      "diskMode": "thin",
		      "network": "infra-traffic-1024",
		      "masterVidmEnabled": "false",
		      "dns": "10.141.66.213,10.118.183.252",
		      "domain": "sqa.local",
		      "gateway": "10.196.57.253",
		      "netmask": "255.255.254.0",
		      "searchpath": "sqa.local",
		      "timeSyncMode": "ntp",
		      "ntp": "ntp1.eng.vmware.com",
		      "isDhcp": "false"
		    }
		  },
		  "products": [
		    {
		      "id": "vrops",
		      "version": "8.0.1",
		      "properties": {
		        "licenseRef": "locker:license:eab62-bc21-643cf0b9cafa:license",
		        "certificate": "locker:certificate:f4e98b983:vmware",
		        "productPassword": "locker:password:d21-d9de2c10:VMware1!",
		        "disableTls": "",
		        "timeSyncMode": "ntp",
		        "masterVidmEnabled": false,
		        "ntp": "ntp1.eng.vmware.com",
		        "affinityRule": false,
		        "configureAffinitySeparateAll": "true",
		        "deployOption": "large",
		          "fipsMode" : "true"
			ents - "diskMode": "thick"
			
			Integrate with vidm :-
			
			"masterVidmEnabled": "true"
			
			"masterVidmEnabled": "false"
			
			TimeSync Mode :
			
			For ntp time sync mode :
			
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync mode:

		}, "clusterVIP": { "clusterVips": [] }, "nodes": [{ "type": "remotecollector", "properties": { "vmName": "vrops-remotecollector", "hostName": "sqa.local", "deployOption": "smallrc", "ip": "4.4.4.4", "gateway": "2.2.2.2", "domain": "2.2.2.2", "searchpath": "2.2.2.2", "dns": "10.141.66.213", "netmask": "2.2.2.2", "extendedStorage": "", "timeZone": "", "ntp": "", "vCenterHost": "lcm-vc1.sqa.local", "cluster": "Datacenter-01#Cluster-01", "resourcePool": "", "folderName": "", "network": "dvs-55-Network-314b11d9-c958-4aa2-af98-cd5439a970d7", "storage": "ISCSI-15TB-02", "diskMode": "thin", "contentLibraryItemId": "", "vCenterName": "lcm-vc1", "vcUsername": "devuser@vsphere.local", "vcPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password" } }, { "type": "master", "properties": { "vmName": "mastervmname", "hostName": "lcm-57-68.sqa.local", "ip": "10.196.57.68" } }, { "type": "replica", "properties": { "vmName": "replicavmname", "hostName": "lcm-57-69.sqa.local", "ip": "10.196.57.69" } }, { "type": "data", "properties": { "vmName": "datavmname", "hostName": "lcm-57-70.sqa.local",	"timeSyncMode": "host" **Deployment Type:** Standard or Cluster **Locker Items:** Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs. Locker reference will typically in the below format:

```
            "ip": "10.196.57.70"
          }
        }
      ]
    }
  ]
}

Response code : 200 OK
Response Body :
{
       "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```

vRLI

```
Request Body : "environmentRequestDTO"

{
  "environmentName": "vrli_deployment",
  "environmentDescription": "vRLI environment deployment",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "LCM-VC2",
      "vCenterHost": "lcm-vc2.sqa.local",
      "vcUsername": "autouser@vsphere.local",
      "vcPassword": "locker:password:1a72-4d:kar-LCM-VC2-
Import-vCenter",
      "acceptEULA": "true",
      "enableTelemetry": "true",
      "adminEmail": "abc@vmware.com",
      "defaultPassword": "locker:password:8f91-
c6032ee9c5bb:VMware1!",
      "certificate": "locker:certificate:49b2-98ba-
c1d2bdf35b0a:vm",
      "cluster": "Datacenter#Cluster-01",
      "storage": "ISCSI-15TB-04",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "thin",
      "network": "infra-traffic-1024",
      "masterVidmEnabled": "false",
      "dns": "10.141.66.213,10.118.183.252",
      "domain": "sqa.local",
      "gateway": "10.196.57.253",
      "netmask": "255.255.254.0",
      "searchpath": "sqa.local",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false"
    }
  },
  "products": [
    {
```

Password:

`locker:password:<vmid>:<alias>`

Certificate:

`locker:certificate:<vmid>:<alias>`

License:

`locker:license:<vmid>:<alias>`

VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the

		"id": "vrli",
		"version": "8.0.0",
		"properties": {
		"certificate": "locker:certificate:49b8f38fd2bdf35b0a:vm",
		"productPassword": "locker:password:811-c6032ee9c5bb:VMware1!",
		"licenseRef": "locker:license:93a380ce-081c-411ca58f8ddb:license",
		"nodeSize": "small",
		"configureClusterVIP": "false",
		"affinityRule": false,
		"isUpgradeVmCompatibility": true,
		"vrliAlwaysUseEnglish": false,
		"masterVidmEnabled": true,
		"configureAffinitySeparateAll": "true",
		"ntp": "",
		"timeSyncMode": "host",
		"fipsMode" : "true"
		},
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "vrli-cluster-1",
		"properties": {
		"hostName": "fqdm1.sqa.local",
		"ip": "3.3.3.3"
		}
		},
		{
		"type": "vrli-cluster-2",
		"properties": {
		"hostName": "fqdm2.sqa.local",
		"ip": "4.4.4.4"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vrli-worker",
		"properties": {
		"vmName": "vrli-worker-2",
		"hostName": "lcm-57-68.sqa.local",
		"ip": "10.196.57.68"
		}
		},
		{
		"type": "vrli-worker",
		"properties": {
		"vmName": "vrli-worker-1",
		"hostName": "lcm-57-69.sqa.local",
		"ip": "10.196.57.69"
		}
		},
		{
			locker api.
			
			vRBC
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Integrate with vidm :-
			
			"masterVidmEnabled": "true"
			
			"masterVidmEnabled": "false"
			
			TimeSync Mode :
			
			For ntp time sync mode :

		"type": "vrli-master",
		"properties": {
		"vmName": "vrli-master-1",
		"hostName": "lcm-57-70.sqa.local",
		"ip": "10.196.57.70"
		}
		}
		]
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRBC
		Request body : "environmentRequestDTO"
		{
		"environmentName": "vrbc_env",
		"environmentDescription": "vRBC environment deployment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "lcm-vc2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "devuser@vsphere.local",
		"vcPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password",
		"certificate": "locker:certificate:971f4dfb-ec39-4f1d-b61a-2f9d42d9ec5e:Ranjitha",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213",
		"domain": "2.2.2.2",
		"gateway": "2.2.2.2",
		"netmask": "2.2.2.2",
		"searchpath": "2.2.2.2",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync mode:
			
			"timeSyncMode": "host"
			
			Deployment Type : Standard
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker

		`},`
		`"products": [`
		`{`
		`"id": "vrbc",`
		`"version": "7.6.0",`
		`"properties": {`
		`"certificate": "locker:certificate:971f4dfb-ec39-4f1d-b61a-2f9d42d9ec5e:Ranjitha",`
		`"contentLibraryItemId": "",`
		`"productPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password",`
		`"licenseRef": "locker:license:82026bee-b2aa-42bc-a9c7-2000aabda280:prod-lic",`
		`"currency": "AED - UAE Dirham",`
		`"vrbAuthType": "standalone",`
		`"timeSyncMode": "host",`
		`"ntp": "",`
		`"affinityRule": false,`
		`"configureAffinitySeparateAll": "true"`
		`},`
		`"clusterVIP": {`
		`"clusterVips": []`
		`},`
		`"nodes": [`
		`{`
		`"type": "vrb-server",`
		`"properties": {`
		`"vmName": "vrb-server",`
		`"hostName": "sqa.local",`
		`"ip": "5.5.5.5"`
		`}`
		`}`
		`]`
		`}`
		`]`
		`}`
		
		`Response code : 200 OK`
		`Response Body :`
		`{`
		`"requestId":"5fcv194a-6e1f-4772-a97d-af300ad5086c"`
		`}`
		
		vRA 8.x
		`Request Body : "environmentRequestDTO"`
		
		`{`
		`"environmentName": "vra_deployment",`
		`"environmentDescription": "vRA cluster deployment",`
		`"infrastructure": {`
			related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			`locker:certificate:<vmid>:<alias>`
			
			License:
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response

		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:1a72829r-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "locker:password:81fb2ee9c5bb:VMware1!",
		"certificate": "locker:certificate:49b8ff35b0a:vm",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252",
		"domain": "sqa.local",
		"gateway": "10.196.57.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.1.0",
		"properties": {
		"certificate": "locker:certificate:49b8b2-98ba-c1d2bdf35b0a:vm",
		"productPassword": "locker:password:81f41d9c5bb:VMware1!",
		"licenseRef": "locker:license:c2cbdd94-0c38-4e6e-90b0-1e86104c14ca:lic",
		"fipsMode" : "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vrava-primary",
		"properties": {
		"vmName": "vrava-primary",
		"hostName": "lcm-57-68.sqa.local",
		"ip": "10.196.57.68"
			of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRA 8.x
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Deployment Type : (Standard, Cluster)

		`}`
		`},`
		`{`
		`"type": "vrava-secondary",`
		`"properties": {`
		`"vmName": "vrava-secondary",`
		`"hostName": "lcm-57-69.sqa.local",`
		`"ip": "10.196.57.69"`
		`}`
		`},`
		`{`
		`"type": "vrava-secondary",`
		`"properties": {`
		`"vmName": "vrava-secondary",`
		`"hostName": "lcm-57-67.sqa.local",`
		`"ip": "10.196.57.67"`
		`}`
		`}`
		`]`
		`}`
		`]`
		`}`
		
		Response code : 200 OK
		Response Body :
		`{`
		`"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"`
		`}`
		vIDM
		Request Body : "environmentRequestDTO"
		`{`
		`"environmentName": "globalenvironment",`
		`"environmentDescription": "vIDM cluster deployment",`
		`"infrastructure": {`
		`"properties": {`
		`"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",`
		`"regionName": "default",`
		`"zoneName": "default",`
		`"vCenterName": "LCM-VC2",`
		`"vCenterHost": "lcm-vc2.sqa.local",`
		`"vcUsername": "autouser@vsphere.local",`
		`"vcPassword": "locker:password:609cb1a8:DC1-LCM-VC2-Import-vCenter",`
		`"acceptEULA": "true",`
		`"enableTelemetry": "true",`
		`"adminEmail": "abc@vmware.com",`
		`"defaultPassword": "locker:password:d224d62c10:VMware1!",`
		`"certificate": "locker:certificate:0e8a-80e9-9acf78b1d2c6:vm",`
		`"cluster": "Datacenter#Cluster-01",`
		`"storage": "ISCSI-15TB-04",`
		`"folderName": "",`
		`"resourcePool": "",`
		`"diskMode": "thin",`
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			
			`locker:certifi`

		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252",
		"domain": "sqa.local",
		"gateway": "10.196.57.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vidm",
		"version": "3.3.2",
		"properties": {
		"vidmAdminPassword": "locker:password:d228-ae91-d9de9bd62c10:VMware1!",
		"syncGroupMembers": false,
		"defaultConfigurationUsername": "configadmin",
		"defaultConfigurationPassword": "locker:password:d222c10:VMware1!",
		"certificate": "locker:certificate:0ee3fce5-de0b-448a-80e9-b1d2c6:vm"
		},
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "vidm-lb",
		"properties": {
		"hostName": "lcm-69.sqa.local"
		}
		},
		{
		"type": "vidm-delegate",
		"properties": {
		"ip": "10.196.57.68"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vidm-secondary",
		"properties": {
		"vmName": "vidm-secondary",
		"hostName": "sqa.local",
		"ip": "4.4.4.4",
		"gateway": "3.3.3.3",
		"domain": "3.3.3.3",
		"searchpath": "3.3.3.3",
		"dns": "10.141.66.213,10.118.183.252",
		"netmask": "3.3.3.3",
		"contentLibraryItemId": "",
		"vCenterHost": "lcm-vc1.sqa.local",
			cate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vIDM
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"

		"cluster": "Datacenter-01#Cluster-01",
		"resourcePool": "",
		"folderName": "",
		"network": "dvs-55-Network-314b11d9-c958-4aa2-af98-cd5439a970d7",
		"storage": "ISCSI-15TB-01",
		"diskMode": "thin",
		"vCenterName": "LCM-VC1",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:9b0bcbbf-e38c-49ea-af48-22a23e8a88bb:Karnataka-LCM-VC1-Import-vCenter"
		}
		},
		{
		"type": "vidm-connector",
		"properties": {
		"hostName": "lcm-69.sqa.local",
		"isDomainJoined": true,
		"domainAdmin": "DOMAIN\\configadmin",
		"domainAdminPassword": "locker:password:d22698a0:VMware1!",
		"adminUserName": "",
		"vmName": "vidm-connector",
		"vidmConnectorName": "windows",
		"vidmConnectorAdminPassword":"locker:password:a1b8436:VMware1!200",
		"adminPassword": ""
		}
		},
		{
		"type": "vidm-secondary",
		"properties": {
		"vmName": "vidm-secondary",
		"hostName": "lcm-69.sqa.local",
		"ip": "10.196.57.69"
		}
		},
		{
		"type": "vidm-primary",
		"properties": {
		"vmName": "vidm-primary",
		"hostName": "lcm-57.sqa.local",
		"ip": "10.196.57.68"
		}
		}
		]
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
			Thick Deployments - "diskMode": "thick"
			
			Deployment Type: (Standard, Cluster)
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the

vRNI

Request Body : "environmentRequestDTO"


```
{
  "environmentName": "vRNI_deployment",
  "environmentDescription": "vRNI environment deployment",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "LCM-VC2",
      "vCenterHost": "lcm-vc2.sqa.local",
      "vcUsername": "autouser@vsphere.local",
      "vcPassword": "locker:password:1a72b1b-40:kar-LCM-VC2-
Import-vCenter",
      "acceptEULA": "true",
      "enableTelemetry": "true",
      "adminEmail": "abc@vmware.com",
      "defaultPassword": "locker:password:81fb1-
c6032ee9c5bb:VMware1!",
      "certificate": "locker:certificate:49b8f38f-
2bdf35b0a:vm",
      "cluster": "Datacenter#Cluster-01",
      "storage": "ISCSI-15TB-04",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "thin",
      "network": "infra-traffic-1024",
      "masterVidmEnabled": "false",
      "dns": "10.141.66.213,10.118.183.252",
      "domain": "sqa.local",
      "gateway": "10.196.57.253",
      "netmask": "255.255.254.0",
      "searchpath": "sqa.local",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vrni",
      "version": "5.1.0",
      "properties": {
        "ntp": "",
        "certificate": "locker:certificate:49bfe-43b2-98ba-
c1d2bdf35b0a:vm",
        "productPassword": "locker:password:81f-af91-
c6032ee9c5bb:VMware1!",
        "licenseRef": "locker:license:6b6-9cfa-
3b8a920b99d3:vRNI",
        "affinityRule": false,
        "configureAffinitySeparateAll": "true",
        "masterVidmEnabled": false
      },
```


below format:

Password:

`locker:password:<vmid>:<alias>`

Certificate:

`locker:certificate:<vmid>:<alias>`

License:

`locker:license:<vmid>:<alias>`

VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the

```
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": [
        {
          "type": "vrni-platform",
          "properties": {
            "vmName": "vrni-platform",
            "vrniNodeSize": "medium",
            "ip": "10.196.57.68"
          }
        },
        {
          "type": "vrni-collector",
          "properties": {
            "vmName": "vrni-collector",
            "vrniNodeSize": "medium",
            "ip": "10.196.57.69"
          }
        }
      ]
    }
  ]
}

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```

Imports

vSSC Standalone Import

```
{
  "environmentId": "c5a4a3c7-0f0f-4723-b80d-ebe45789ad5d",
  "environmentName": "vSSC",
  "environmentDescription": "Imported vSSC environment",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "3d849c47-1814-45b7-906f-
ec1f6f02f911",
      "regionName": "",
      "zoneName": "",
      "vCenterName": "",
      "vCenterHost": "",
      "vcUsername": "",
      "vcPassword": "",
      "acceptEULA": "false",
      "enableTelemetry": "true",
      "defaultPassword": "locker:password:ddee09a1-04e2-41c5-
a6d4-fd3262cb4f1a:VMware1!",
      "certificate": "",
      "cluster": "",
      "storage": "",
      "folderName": "",
      "resourcePool": "",
```

request payload for the locker api.

vRNI

DiskMode :-

Thin Deployments - "diskMode": "thin"

Thick Deployments - "diskMode": "thick"

Integrate with vidm :-

"masterVidmEnabled": "true"

"masterVidmEnabled": "false"

TimeSync Mode :

For ntp time

```
      "diskMode": "",
      "network": "",
      "masterVidmEnabled": "false",
      "dns": "",
      "domain": "",
      "gateway": "",
      "netmask": "",
      "searchpath": "",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false",
      "vcfProperties":
"{\"vcfEnabled\":false,\"sddcManagerDetails\":[]}",
      "_selectedProducts":
"[{\"id\":\"vssc\",\"type\":\"import\",\"selected\":true,\"si
zes\":{\"8.3.0\":[\"standard\"],\"8.4.0\":[\"standard\"]},\"s
electedVersion\":\"8.4.0\",\"selectedDeploymentType\":\"stand
ard\",\"tenantId\":\"Standalone
vRASSC\",\"description\":\"vRealize Automation SaltStack
Config is a powerful software configuration management
capability available in vRealize Automation. Easily define
optimized, compliant software states and enforce them across
your entire environment—virtualized, hybrid or public cloud—
with powerful, intuitive configuration
automation.\",\"detailsHref\":\"https://www.saltstack.com/sal
tstack-
integrations\",\"errorMessage\":null,\"productVersions\":[{\"
version\":\"8.4.0\",\"deploymentType\":[\"standard\"],\"produ
ctDeploymentMetaData\":{\"sizingURL\":\"https://www.saltstack
.com/products/saltstack-
enterprise/\",\"productInfo\":\"vRealize Automation SaltStack
Config -
8.4.0\",\"deploymentType\":null,\"deploymentItems\":null,\"ad
ditionalInfo\":null}},{\"version\":\"8.3.0\",\"deploymentType
\":[\"standard\"],\"productDeploymentMetaData\":{\"sizingURL\
":\"https://docs.vmware.com/en/vRealize-
Automation/8.3/SaltStackConfig/GUID-A941937E-3404-4EF7-865F-
B94CA035FF24.html\",\"productInfo\":\"vRealize Automation
SaltStack Config -
8.3.0\",\"deploymentType\":[\"Standard\"],\"deploymentItems\"
:{\"Node Count\":[\"1\"]},\"additionalInfo\":[\"*Standard -
Single node deployment\"]}}]}]",
      "_isRedeploy": "false",
      "_isResume": "false",
      "_leverageProximity": "false",
      "__isInstallerRequest": "false"
    }
  },
  "products": [
    {
      "id": "vssc",
      "version": "8.4.0",
      "properties": {
        "isImport": "true",
        "vsscHostName": "sqa.local",
```


sync mode :

"timeSyncMode": "ntp",

"ntp": "ntp1.eng.vmware.com"

For setting hostTime as time sync mode: NA

Deployment Type : (Standard or Cluster)

Locker Items:

Locker items such as password, certificates, licenses should be created. Refer section 3 for

		"vCenterList": "[{\"vCenterHost\":\"wdc-lcm-vc.sqa.local\",\"vcUsername\":\"administrator@vsphere.local\",\"vcPassword\":\"locker:password:9e3fc525-acfd-4040-9b89-d4c5409eea74:WDC-LCM-VC-3d849c47-1814-45b7-906f-ec1f6f02f911\"}]",
		"vrasscAdminPassword": "locker:password:ddee09a1-04e2-41c5-a6d4-fd3262cb4f1a:VMware1!",
		"rootPassword": "locker:password:ddee09a1-04e2-41c5-a6d4-fd3262cb4f1a:VMware1!",
		"tenantId": "Standalone vRASSC"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		vROPS
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vrops_import_env",
		"environmentDescription": "Imported vROPs environment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
			Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			`locker:certificate:<vmid>:<alias>`
			
			License:
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a

		{
		"id": "vrops",
		"version": "8.0.1",
		"properties": {
		"vropsMasterNodeIP": "10.196.57.68",
		"vCenterList":"",
		"vropsAdminPassword": "locker:password:81fb3628-bdad-c6032ee9c5bb:VMware1!",
		"rootPassword": "locker:password:1fb3628-bdad-41d9-af91-c5bb:VMware1!",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body:
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRLI
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vrli_import_env",
		"environmentDescription": "Imported vRLI environment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb3628-c6032ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
			response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			Imports vROPS
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will

		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrli",
		"version": "8.0.0",
		"properties": {
		"vrliHostName": "lcm-57.sqa.local",
		"vCenterList": "",
		"vrliAdminPassword": "locker:password:81fb3628-bdad-4c5bb:VMware1!",
		"rootPassword": "locker:password:81fb3628-bdad-49c5bb:VMware1!",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRBC
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vRBC_import_env",
		"environmentDescription": "Imported vRBC environment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb3628-32ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
			typically in the below format:
			
			Password:
			
			locker:password:<vmid>:<alias>
			
			Certificate:
			
			locker:certificate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided

		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrbc",
		"version": "7.6.0",
		"properties": {
		"vrbCafeHost": "",
		"vrbHostName": "lcm-57.sqa.local",
		"vrbRootPassword": "locker:password:81fb3628032ee9c5bb:VMware1!",
		"vCenterList": "",
		"vrbAuthType": "standalone",
		"vrbVidmHostName": "",
		"vrbVidmAdminUserName": "",
		"vrbVidmAdminPassword": "",
		"vrbCafeSsoTenant": "vsphere.local",
		"vrbCafeSsoAdminUser": "",
		"vrbCafeSsoPassword": "",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 7.x
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vRA_import_env",
		"environmentDescription": "Imported vRA 7.x environment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
			in the request payload for the locker api.
			
			vRLI
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:

		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb3628-32ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.1.0",
		"properties": {
		"windowsPassword": "locker:password:81fb3628-bdae9c5bb:VMware1!",
		"vraImportVersion": "7.6.0",
		"cafeHostNamePrimary": "lcm-57.sqa.local",
		"cafeRootPasswordPrimary": "locker:password:81fb3628-bdad-41d9-bb:VMware1!",
		"windowsUserName": "DOMAIN\\USERNAME",
		"tenantName": "vsphere.local",
		"tenantUserName": "configadmin",
		"tenantUserPassword": "locker:password:81fb36-c6032ee9c5bb:VMware1!",
		"vraAdminPassword": "locker:password:81fb3628-91-c6032ee9c5bb:VMware1!",
		"vCenterList": "",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
			locker:password:<vmid>:<alias>
			
			Certificate:
			
			locker:certificate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRBC

		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 8.x
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vra_import_env",
		"environmentDescription": "Imported vRA environment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb36032ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.1.0",
		"properties": {
		"vraImportVersion": "8.0.0",
		"cafeHostNamePrimary": "lcm-57.sqa.local",
		"cafeRootPasswordPrimary": "locker:password:81fb36-c6032ee9c5bb:VMware1!",
		"tenantName": "vsphere.local",
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			locker:password:<vmid>:<alias>
			
			Certificate:

		"vCenterList": "[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"vcPassword\":\"locker:password:49ff4234-e77c-48d2-8027-bba0514fe511:LCM-VC-Password\"}]",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vIDM
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "globalenvironment",
		"environmentDescription": "Imported vIDM globalenvironment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:609cb1528:DC1-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:d224e64f-e43810:VMware1!",
		"certificate": "locker:certificate:0ee3fce5-de0b-448a-80e9-9acf78b1d2c6:vm",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252",
		"domain": "sqa.local",
		"gateway": "10.196.57.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
			locker:certificate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRA 7.x
			
			Locker Items:
			
			Locker items such as password, certificat

		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vidm",
		"version": "3.3.2",
		"properties": {
		"hostName": "lcm-57.sqa.local",
		"vidmSystemAdminPassword": "locker:password:d224e64f-d62c10:VMware1!",
		"vidmAdminPassword": "locker:password:d224e6462c10:VMware1!",
		"vidmSshPassword": "locker:password:d224e64f-e438-462c10:VMware1!",
		"vidmRootPassword": "locker:password:d224e64fbd62c10:VMware1!",
		"isImport": "true",
		"defaultConfigurationUsername": "configadmin",
		"defaultConfigurationPassword": "locker:password:d224e61-d9dc10:VMware1!",
		"syncGroupMembers": false,
		"vCenterList": ""
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRNI
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vrni_import_env",
		"environmentDescription": "vrni_import_env",
		"environmentHealth": null,
		"logHistory": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
			es, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			locker:password:<vmid>:<alias>
			
			Certificate:
			
			locker:certificate:<vmid>:<alias>
			
			License:
			
			locker:license:<v

		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "locker:password:81fb3628-bdee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrni",
		"version": "5.1.0",
		"properties": {
		"platformIP": "10.196.57.68",
		"vrniPlatformUserName": "configadmin",
		"vrniPlatformPassword": "",
		"supportPassword": "",
		"consolePassword": "",
		"vCenterList": "",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
			mid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRA 8.x
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker

			related APIs. Locker reference will typically in the below format: **Password**: locker:password:<vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the

			Locker creation API and alias would be the one which is provided in the request payload for the locker api. vIDM **Locker Items:** Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs. Locker reference will typically in the

			below format: **Password**: locker:password:<vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request

			payload for the locker api. vRNI **Locker Items:** Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs. Locker reference will typically in the below format: **Password**: locker:password:<

			vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.

Update Environment Name	PATCH	/lcm/lcops/api/v2/environments
		
		Request body : "updateEnvironmentDTO"
		
		{
		"environmentId": "9c88ba3d-23c9-4b6c-8c45-f4338fb0a073",
		"environmentName": "vROPSImportEnvironment"
		}
		
		Response code : 200 OK
		
		Response body :
		
		{
		  "vmid": "7d8a112c-f50b-4d32-9dd7-8e976195901d",
		  "transactionId": null,
		  "environmentName": "vROPSImportEnvironment",
		  "environmentId": "9c88ba3d-23c9-4b6c-8c45-f4338fb0a073",
		  "state": null,
		  "status": "COMPLETED",
		  "environmentData": "{\"environmentId\":\"9c88ba3d-23c9-4b6c-8c45-f4338fb0a073\",\"environmentName\":\"vROPSImportEnvironment\",\"environmentHealth\":\"{\\n \\\"environmentId\\\" : \\\"9c88ba3d-23c9-4b6c-8c45-f4338fb0a073\\\",\\n \\\"sddcOverviewDashboardUri\\\" : null,\\n \\\"productHealthList\\\" : [ ],\\n \\\"healthCheckErrorCode\\\" : \\\"1\\\",\\n \\\"healthCheckErrorMsg\\\" : \\\"Install SDDC Management Health Solution in vRealize Operations to monitor health\\\"\\n}\",\"logHistory\":null,\"environmentStatus\":null,\"infrastructure\":{\"properties\":{\"dataCenterVmid\":\"768be52e-09b8-4ec9-a8b2-4510c236fdd3\",\"regionName\":\"\",\"zoneName\":\"\",\"vCenterName\":\"\",\"vCenterHost\":\"\",\"vcUsername\":\"\",\"vcPassword\":\"\",\"acceptEULA\":\"false\",\"enableTelemetry\":\"true\",\"defaultPassword\":\"locker:password:c3b1c44d-4974-415a-a695-d63476e90ede:VMware1!\",\"certificate\":\"\",\"cluster\":\"\",\"storage\":\"\",\"folderName\":\"\",\"resourcePool\":\"\",\"diskMode\":\"\",\"network\":\"\",\"masterVidmEnabled\":\"false\",\"dns\":\"\",\"domain\":\"\",\"gateway\":\"\",\"netmask\":\"\",\"searchpath\":\"\",\"timeSyncMode\":\"host\",\"ntp\":\"\",\"isDhcp\":\"false\",\"_selectedProducts\":\"[{\\\"id\\\":\\\"vrops\\\",\\\"type\\\":\\\"import\\\",\\\"selected\\\":true,\\\"sizes\\\":{\\\"8.1.1\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"8.2.0\\\":[\\\"Extra	

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,\\\"Extra Large:6\\\"],\\\"8.0.1\\\":[\\\"Extra
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,\\\"Extra Large:6\\\"],\\\"8.1.0\\\":[\\\"Extra
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,\\\"Extra
Large:6\\\"]},\\\"selectedVersion\\\":\\\"8.2.0\\\",\\\"selec
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Operations Manager delivers intelligent operations management
with application-to-storage visibility across physical,
virtual, and cloud infrastructures. Using policy-based
automation, operationsteams automate key
processes.\\\",\\\"detailsHref\\\":\\\"https://docs.vmware.co
m/en/vRealize-Operations-
Manager/index.html\\\",\\\"errorMessage\\\":null,\\\"productV
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CERTIFICATE-----
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piry\\\":0,\\\"status\\\":\\\"ACTIVE\\\",\\\"onPremAllocation
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0.1\\\",\\\"8.1.0\\\",\\\"7.5.0\\\",\\\"7.6.0\\\"],\\\"vrbc\\
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b2eb-46dd4b16e525\"}}]}",
  "dataCenterVmid": "768be52e-09b8-4ec9-a8b2-4510c236fdd3",
  "dataCenterName": null
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Get Environment by ID or Name	GET	/lcm/lcops/api/v2/environments/{environmentId} Request parameter : environmentId : globalenvironment Response code : 200 OK Response body : { "vmid": "4676438b-3256-47b2-b7a9-e14e83735a3f", "transactionId": null, "environmentName": "globalenvironment", "environmentId": "globalenvironment", "state": null, "status": "COMPLETED", "environmentData": "{\"environmentId\":\"globalenvironment\",\"environmentName\" :\"globalenvironment\",\"environmentHealth\":null,\"logHistor y\":null,\"environmentStatus\":null,\"infrastructure\":{\"pro perties\":{\"regionName\":\"default\",\"dataCenterVmid\":\"ee 6ce426-ca13-4e56-ad9e- c34a4d3d90c2\",\"zoneName\":\"default\",\"defaultPassword\":\ "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware- Default- Password\"}},\"products\":[{\"id\":\"vidm\",\"version\":\"3.3 .2\",\"patchHistory\":null,\"snapshotHistory\":null,\"logHist ory\":null,\"clusterVIP\":null,\"nodes\":[{\"type\":\"vidm- primary\",\"properties\":{\"hostName\":\"lcm2-187- 31.sqa.local\",\"cluster\":\"ESO_VC07_Cluster_07\",\"esxHost\ ":\"w1-hs1- g0312.eng.vmware.com\",\"memory\":\"6\",\"diskMode\":\"thin\" ,\"vCenterHost\":\"eso- vc07.eng.vmware.com\",\"storage\":\"ESO_VC07_Cluster_07_vsanD atastore01\",\"network\":\"WDC_HAAS_VM_VLAN1100\",\"capacity\ ":\"60.2\",\"vidmRootPassword\":\"locker:password:314c2f02- 27a7-4d94-b178-e0dda61e4c88:VMware-Default- Password\",\"vidmSystemAdminPassword\":\"locker:password:314c 2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default- Password\",\"enableTelemetry\":\"true\",\"affinityRules\":nul l,\"vcPassword\":\"locker:password:fdc0bc98-3cef-4f76-9f75- 06f4ba06b6ea:ESO-VC- Password\",\"cpuCount\":\"2\",\"resourcePool\":null,\"vmName\ ":\"dgnaneswaran_SS_VIDM_331\",\"esxHostBuild\":\"7967591\",\ "vidmSshPassword\":\"locker:password:314c2f02-27a7-4d94-b178- e0dda61e4c88:VMware-Default- Password\",\"ip\":\"10.196.187.31\",\"dns\":\"10.141.66.213,1 0.118.183.252\",\"ESXI Version\":\"6.5.0\",\"domain\":\"sqa.local\",\"vcUsername\":\ "sampaths.admin@sqa.local\",\"folderName\":null,\"gateway\":\ "10.196.187.253\",\"searchpath\":\"sqa.local\",\"__sshVerifie d\":\"true\",\"__verified\":\"true\",\"netmask\":\"255.255.25 5.0\",\"__vMoid\":\"vm-27422\"}},{\"type\":\"vidm- connector\",\"properties\":{\"hostName\":\"lcm2-187- 31.sqa.local\",\"cluster\":\"ESO_VC07_Cluster_07\",\"esxHost\ ":\"w1-hs1- g0312.eng.vmware.com\",\"memory\":\"6\",\"diskMode\":\"thin\" ,\"vCenterHost\":\"eso-	

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iEoAsLx0oWMFRl4n52N5G7P1InS57BNectzheuU+31e9xq6+Sgc6aB\\n4tsV
8PrimX+yoaVrclJfqa9P2UdWhRwtfDMZ6LDf7ZOMtI1Af2Ho7KKNOG1tnoyh\
\nII90P1KPoBLH3pZujrR/3uMuxzNidED8nIy659A2jGyYkS03JN6mBjcYrYF
Bhe6P\\nKiTH288PUqK5IJJPg9ZlzZKreJHxAgMBAAGjgZswgZgwHQYDVR0OB
BYEFO1eLmfZ\\nT+R8NdaUzMNM8gdyh/RPMB8GA1UdIwQYMBaAFA78sVbblKC
PVHbEadopppTTWcmV\\nMBYGA1UdEQQPMA2CCyouc3FhLmxvY2FsMA4GA1UdD
wEB/wQEAwIFoDAgBgNVHSUB\\nAf8EFjAUBggrBgEFBQcDAgYIKwYBBQUHAwE
wDAYDVR0TAQH/BAIwADANBgkqhkiG\\n9w0BAQsFAAOCAQEAdJhVYXaop1TiH
tH246pDNA7sfcJWJr5SoA5zLEsy+lU9CaN1\\nLdw/PtqbUM0E7lxj1MQpMEp
D4iL2uimAi9rtTxjj7KxS6IW/mKNlJoqNGRXpk32P\\n9/Nc3ZOHOYGABonRl
JhoLGWNmXLlrh8AVtVG2Hxp4M58ulEijHbEEQop4TmkoMJj\\nsBeJmjvF+tZ
Dp81LuoGbPak2goQLdUIAdS8+ja4dLDQLBIOnNMvVa9TSTctEHQDf\\nTvTiJ
dQijlPTtJBhUwwAOR+aGQFiFJUtzyYqCFW5ra3dHnVYuEnhppdbpzVkPoNQ\\
nhb95oiGDM4ql5uEd9Dh1qm76T8pgYmeUzYpaZA==\\n-----END
CERTIFICATE-----\\n-----BEGIN CERTIFICATE-----
\\nMIIDiTCCAnGgAwIBAgIGAXHpTrmMMA0GCSqGSIb3DQEBCwUAMFMxMzAxBg
NVBAMM\\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tl
ciBDQTEPMA0G\\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA1MD
YwOTI2MjJaFw0yMjA1\\nMDYwOTI2MjJaMFMxMzAxBgNVBAMMKnZSZWFsaXpl
IFN1aXRlIExpZmVjeWNsZSBN\\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1UECg
wGVk13YXJlMQswCQYDVQQGEwJJTjCC\\nASIwDQYJKoZIhvcNAQEBBQADggEP
ADCCAQoCggEBAMBMjwSD+nPTkbgYZC2o95v7\\n2dnTKv4HC2Zyv2vFYrbFBV
r4BB/f3FonEuaJ0bT/e/3H+KExMzWslL3dLZ1EF2s8\\n87nX7WNAmvsHTyaJ
Ii/NqySUwmhr5/kMkRIHX73+nz5ksmpsK0bQCFCvEqj7ripw\\n5CiePXJbBW
vm3uIm6C2/A83OHE3K8b2M+sDKCNUh+jn2IJxRfyXPBbJB5dk99SFV\\nC47Z
gtFbhUZf6/LulSxJgQAC4wNwrKMtMqctU26oOn0P647pmxnKzKtev7nNRkMw\
\nU7PUOC0MlgEh8xcw6/odFIvYpz2n/SU0JOljohc9SLgdI7Rt+1Ug1OJK2VS

```
D3pUC\\nAwEAAaNjMGEwHQYDVR0OBBYEFA78sVbblKCPVHbEadopppTTWcmVM
B8GA1UdIwQY\\nMBaAFA78sVbblKCPVHbEadopppTTWcmVMA8GA1UdEwEB/wQ
FMAMBAf8wDgYDVR0P\\nAQH/BAQDAgGGMA0GCSqGSIb3DQEBCwUAA4IBAQBlW
aHg6XJOQmjWtAGcrWLgg6lC\\nD+n1WagYm3RcWPt60C3Tvw2L7TLdZ6KCzFz
4zO819odopmnbMTbtRkhFcgJ4/0vW\\nYn0bqGxO8H+8BhSyn96lqIlhYDwaa
RzEt55Rl23FgKl8Iw2cJEryR0gbHgyvhWpY\\n9cX5rLWBT2KFKVwn+6c3sLX
6gmKxP+Gi6iePopvguJdEufOTQjmZ4NfxLsW8S9p2\\n5hrLY5kU7DC74BE+J
NY80O1dxtz/Qr4+16Xq/pbz/jvU6ti1P6JohKTmTMnBtQBc\\nET4isPjqmvC
7+0G3h9HcnnXw01oI+asr9a+s/MYuTjR1K8wXdMQLl3+0FObQ\\n-----END
CERTIFICATE-----
\\n\",\"__isTenantByPath\":\"false\",\"vidmAdminPassword\":\"
locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-
Default-
Password\",\"defaultConfigurationPassword\":\"locker:password
:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-
Password\",\"vidmDomainName\":\"sqa.local\",\"__isMigrationRe
quest\":\"false\",\"syncGroupMembers\":\"true\",\"adminEmail\
":null,\"vidmOAuthServiceClientId\":\"Service__OAuth2Client\"
,\"vidmOAuthServiceClientSecret\":\"wrxXl5RMGYnrhyRk0EE9tiI5u
piebQBn\",\"__isTenancyEnabled\":\"false\",\"vidmDBType\":\"p
ostgresql\",\"__vidmIsExternalDB\":\"false\",\"__vidmHasExter
nalConnectors\":\"false\",\"__vidmFormFactor\":\"true\"}}]}",
  "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
  "dataCenterName": null
}
```

Add Product to Environment	POST	/lcm/lcops/api/v2/environments/{environmentId}/products
		Deployments
		vROPS
		Request parameter :
		environmentId : "3893440f-2442-442d-81a2-f4cb9fa9d08f"
		Request body : "environmentRequestDTO"
		{
		"environmentName": "vrops_large_deployments",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "",
		"certificate": "",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252",
		"domain": "sqa.local",
		"gateway": "10.196.57.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "ntp",
		"ntp": "ntp1.eng.vmware.com",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrops",
		"version": "8.0.1",
		"properties": {
		"licenseRef": "locker:license:eab62-bc21-643cf0b9cafa:license",
		"certificate": "locker:certificate:f4e98b983:vmware",
		"productPassword": "locker:password:d21-d9de2c10:VMware1!",
		"disableTls": "",
		"timeSyncMode": "ntp",
		"masterVidmEnabled": false,
		"ntp": "ntp1.eng.vmware.com",
		"affinityRule": false,
			Deployments vROPS
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Integrate with vidm :-
			
			"masterVidmEnabled": "true"
			
			"masterVidmEnabled": "false"
			
			TimeSync Mode :
			
			For ntp time sync mode :

		"configureAffinitySeparateAll": "true",
		"deployOption": "large"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "remotecollector",
		"properties": {
		"vmName": "vrops-remotecollector",
		"hostName": "sqa.local",
		"deployOption": "smallrc",
		"ip": "4.4.4.4",
		"gateway": "2.2.2.2",
		"domain": "2.2.2.2",
		"searchpath": "2.2.2.2",
		"dns": "10.141.66.213",
		"netmask": "2.2.2.2",
		"extendedStorage": "",
		"timeZone": "",
		"ntp": "",
		"vCenterHost": "lcm-vc1.sqa.local",
		"cluster": "Datacenter-01#Cluster-01",
		"resourcePool": "",
		"folderName": "",
		"network": "dvs-55-Network-314b11d9-c958-4aa2-af98-cd5439a970d7",
		"storage": "ISCSI-15TB-02",
		"diskMode": "thin",
		"contentLibraryItemId": "",
		"vCenterName": "lcm-vc1",
		"vcUsername": "devuser@vsphere.local",
		"vcPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password"
		}
		},
		{
		"type": "master",
		"properties": {
		"vmName": "mastervmname",
		"hostName": "lcm-57-68.sqa.local",
		"ip": "10.196.57.68"
		}
		},
		{
		"type": "replica",
		"properties": {
		"vmName": "replicavmname",
		"hostName": "lcm-57-69.sqa.local",
		"ip": "10.196.57.69"
		}
		},
		{
		"type": "data",
		"properties": {
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync mode:
			
			"timeSyncMode": "host"
			
			Deployment Type :
			
			Extra Small : "deployOption": "xsmall"
			
			Small : "deployOption": "small"
			
			Large : "deployOption": "large"
			
			Extra large : "deployOption": "xlarge"

```
            "vmName": "datavmname",
            "hostName": "lcm-57-70.sqa.local",
            "ip": "10.196.57.70"
          }
        }
      ]
    }
  ]
}

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```

vRLI

```
Request parameter :
environmentId : "2a06cdd4-6f97-4aec-9643-fd68abde1397"
Request Body : "environmentRequestDTO"
{
  "environmentName": "vrli_deployment",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "LCM-VC2",
      "vCenterHost": "lcm-vc2.sqa.local",
      "vcUsername": "autouser@vsphere.local",
      "vcPassword": "locker:password:1a72-4d:kar-LCM-VC2-
Import-vCenter",
      "acceptEULA": "true",
      "enableTelemetry": "true",
      "adminEmail": "abc@vmware.com",
      "defaultPassword": "locker:password:8f91-
c6032ee9c5bb:VMware1!",
      "certificate": "locker:certificate:49b2-98ba-
c1d2bdf35b0a:vm",
      "cluster": "Datacenter#Cluster-01",
      "storage": "ISCSI-15TB-04",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "thin",
      "network": "infra-traffic-1024",
      "masterVidmEnabled": "false",
      "dns": "10.141.66.213,10.118.183.252",
      "domain": "sqa.local",
      "gateway": "10.196.57.253",
      "netmask": "255.255.254.0",
      "searchpath": "sqa.local",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false"
    }
  },
```

Locker Items:

Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

Locker reference will typically in the below format:

Password:

`locker:password:<vmid>:<alias>`

Certificate:

		"products": [
		{
		"id": "vrli",
		"version": "8.0.0",
		"properties": {
		"certificate": "locker:certificate:49b8f38fd2bdf35b0a:vm",
		"productPassword": "locker:password:811-c6032ee9c5bb:VMware1!",
		"licenseRef": "locker:license:93a380ce-081c-411ca58f8ddb:license",
		"nodeSize": "small",
		"configureClusterVIP": "false",
		"affinityRule": false,
		"isUpgradeVmCompatibility": true,
		"vrliAlwaysUseEnglish": false,
		"masterVidmEnabled": true,
		"configureAffinitySeparateAll": "true",
		"ntp": "",
		"timeSyncMode": "host"
		},
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "vrli-cluster-1",
		"properties": {
		"hostName": "fqdm1.sqa.local",
		"ip": "3.3.3.3"
		}
		},
		{
		"type": "vrli-cluster-2",
		"properties": {
		"hostName": "fqdm2.sqa.local",
		"ip": "4.4.4.4"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vrli-worker",
		"properties": {
		"vmName": "vrli-worker-2",
		"hostName": "lcm-57-68.sqa.local",
		"ip": "10.196.57.68"
		}
		},
		{
		"type": "vrli-worker",
		"properties": {
		"vmName": "vrli-worker-1",
		"hostName": "lcm-57-69.sqa.local",
		"ip": "10.196.57.69"
		}
		},
			locker:certificate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vROPs replica node deployment is High

		{
		"type": "vrli-master",
		"properties": {
		"vmName": "vrli-master-1",
		"hostName": "lcm-57-70.sqa.local",
		"ip": "10.196.57.70"
		}
		}
		]
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRBC
		Request parameter :
		environmentId : "adb18af9-046e-47fa-b968-4e2c26403e8e"
		Request body : "environmentRequestDTO"
		{
		"environmentName": "vrbc_env",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "lcm-vc2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "devuser@vsphere.local",
		"vcPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:4984d8e4-825b-4694-99cf-db80b41b5ac2:vc-password",
		"certificate": "locker:certificate:971f4dfb-ec39-4f1d-b61a-2f9d42d9ec5e:Ranjitha",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213",
		"domain": "2.2.2.2",
		"gateway": "2.2.2.2",
		"netmask": "2.2.2.2",
		"searchpath": "2.2.2.2",
		"timeSyncMode": "host",
		"ntp": "",
			Availability , we can do HA deployment during install flow or during scale out flow
			
			Deploy Nodes in Different vCenter:
			
			Add all the properties under node type as shown for remotecollector node.
			
			vRLI
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deploym

```
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vrbc",
      "version": "7.6.0",
      "properties": {
        "certificate": "locker:certificate:971f4dfb-ec39-
4f1d-b61a-2f9d42d9ec5e:Ranjitha",
        "contentLibraryItemId": "",
        "productPassword": "locker:password:4984d8e4-825b-
4694-99cf-db80b41b5ac2:vc-password",
        "licenseRef": "locker:license:82026bee-b2aa-42bc-
a9c7-2000aabda280:prod-lic",
        "currency": "AED - UAE Dirham",
        "vrbAuthType": "standalone",
        "timeSyncMode": "host",
        "ntp": "",
        "affinityRule": false,
        "configureAffinitySeparateAll": "true"
      },
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": [
        {
          "type": "vrb-server",
          "properties": {
            "vmName": "vrb-server",
            "hostName": "sqa.local",
            "ip": "5.5.5.5"
          }
        }
      ]
    }
  ]
}


Response code : 200 OK
Response Body :
{
        "requestId":"5fcv194a-6e1f-4772-a97d-af300ad5086c"
}
```

vRA 8.x

```
Request parameter :
environmentId : "d1fb0d2f-d0d8-471d-b791-b37ec13abe9c"
Request Body : "environmentRequestDTO"
{
  "environmentName": "vra_deployment",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
```

ents - "diskMode": "thick"

Integrate with vidm :-

"masterVidmEnabled": "true"

"masterVidmEnabled": "false"

TimeSync Mode :

For ntp time sync mode :

"timeSyncMode": "ntp",

"ntp": "ntp1.eng.vmware.com"

For setting hostTime as time sync mode:

		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:1a72829r-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "locker:password:81fb2ee9c5bb:VMware1!",
		"certificate": "locker:certificate:49b8ff35b0a:vm",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252",
		"domain": "sqa.local",
		"gateway": "10.196.57.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.1.0",
		"properties": {
		"certificate": "locker:certificate:49b8b2-98ba-c1d2bdf35b0a:vm",
		"productPassword": "locker:password:81f41d9c5bb:VMware1!",
		"licenseRef": "locker:license:c2cbdd94-0c38-4e6e-90b0-1e86104c14ca:lic"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vrava-primary",
		"properties": {
		"vmName": "vrava-primary",
		"hostName": "lcm-57-68.sqa.local",
		"ip": "10.196.57.68"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
			"timeSyncMode": "host"
			
			Deployment Type:
			
			Standard or Cluster
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:

```
            "vmName": "vrava-secondary",
            "hostName": "lcm-57-69.sqa.local",
            "ip": "10.196.57.69"
          }
        },
        {
          "type": "vrava-secondary",
          "properties": {
            "vmName": "vrava-secondary",
            "hostName": "lcm-57-67.sqa.local",
            "ip": "10.196.57.67"
          }
        }
      ]
    }
  ]
}

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```


vRNI


```
Request parameter :
environmentId : "f05cf7e9-bed2-8730-3d69d45d0d31"
Request Body : "environmentRequestDTO"
{
  "environmentName": "vRNI_deployment",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "LCM-VC2",
      "vCenterHost": "lcm-vc2.sqa.local",
      "vcUsername": "autouser@vsphere.local",
      "vcPassword": "locker:password:1a72b1b-40:kar-LCM-VC2-
Import-vCenter",
      "acceptEULA": "true",
      "enableTelemetry": "true",
      "adminEmail": "abc@vmware.com",
      "defaultPassword": "locker:password:81fb1-
c6032ee9c5bb:VMware1!",
      "certificate": "locker:certificate:49b8f38f-
2bdf35b0a:vm",
      "cluster": "Datacenter#Cluster-01",
      "storage": "ISCSI-15TB-04",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "thin",
      "network": "infra-traffic-1024",
      "masterVidmEnabled": "false",
      "dns": "10.141.66.213,10.118.183.252",
      "domain": "sqa.local",
```


Password:

`locker:password:<vmid>:<alias>`

Certificate:

`locker:certificate:<vmid>:<alias>`

License:

`locker:license:<vmid>:<alias>`

VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the

```
      "gateway": "10.196.57.253",
      "netmask": "255.255.254.0",
      "searchpath": "sqa.local",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vrni",
      "version": "5.1.0",
      "properties": {
        "ntp": "",
        "certificate": "locker:certificate:49bfe-43b2-98ba-
c1d2bdf35b0a:vm",
        "productPassword": "locker:password:81f-af91-
c6032ee9c5bb:VMware1!",
        "licenseRef": "locker:license:6b6-9cfa-
3b8a920b99d3:vRNI",
        "affinityRule": false,
        "configureAffinitySeparateAll": "true",
        "masterVidmEnabled": false
      },
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": [
        {
          "type": "vrni-platform",
          "properties": {
            "vmName": "vrni-platform",
            "vrniNodeSize": "medium",
            "ip": "10.196.57.68"
          }
        },
        {
          "type": "vrni-collector",
          "properties": {
            "vmName": "vrni-collector",
            "vrniNodeSize": "medium",
            "ip": "10.196.57.69"
          }
        }
      ]
    }
  ]
}

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```


Imports

locker api.

vRBC

DiskMode :-

Thin Deployments - "diskMode": "thin"

Thick Deployments - "diskMode": "thick"

Integrate with vidm :-

"masterVidmEnabled": "true"

"masterVidmEnabled": "false"

TimeSync Mode :

For ntp time sync mode :

vROPS

Request parameter :
environmentId : "c9407650-5f76-47a8-99e5-a483de81115b"
Request Body : "environmentRequestDTO"


```
{
   "environmentName": "vrops_import_env",
   "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "",
      "vCenterHost": "",
      "vcUsername": "",
      "vcPassword": "",
      "acceptEULA": "false",
      "enableTelemetry": "true",
      "adminEmail": "abc@vmware.com",
      "defaultPassword": "",
      "certificate": "",
      "cluster": "",
      "storage": "",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "",
      "network": "",
      "masterVidmEnabled": "false",
      "dns": "",
      "domain": "",
      "gateway": "",
      "netmask": "",
      "searchpath": "",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vrops",
      "version": "8.0.1",
      "properties": {
        "vropsMasterNodeIP": "10.196.57.68",
        "vCenterList":"[{\"vCenterHost\":\"lcm-
vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"v
cPassword\":\"locker:password:71df6f8a-4ff4-4be7-9aeb-
bf325b12eaa7:lcm-vc1.sqa.local\"}]",
        "vropsAdminPassword": "locker:password:81fb3628-bdad-
c6032ee9c5bb:VMware1!",
        "rootPassword": "locker:password:1fb3628-bdad-41d9-
af91-c5bb:VMware1!",
        "isImport": "true"
      },
      "clusterVIP": {
        "clusterVips": []
```


"timeSyncMode": "ntp",

"ntp": "ntp1.eng.vmware.com"

For setting hostTime as time sync mode:

"timeSyncMode": "host"

Deployment Type : Standard

Locker Items:

Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

		`},`
		`"nodes": []`
		`}`
		`]`
		`}`
		
		`Response code : 200 OK`
		`Response Body:`
		`{`
		`"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"`
		`}`
		vRLI
		`Request parameter :`
		`environmentId : "c9407650-5f76-47a8-99e5-a483de81115b"`
		`Request Body : "environmentRequestDTO"`
		`{`
		`"environmentName": "vrli_import_env",`
		`"infrastructure": {`
		`"properties": {`
		`"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",`
		`"regionName": "default",`
		`"zoneName": "default",`
		`"vCenterName": "",`
		`"vCenterHost": "",`
		`"vcUsername": "",`
		`"vcPassword": "",`
		`"acceptEULA": "false",`
		`"enableTelemetry": "true",`
		`"adminEmail": "rvishnuvardh@vmware.com",`
		`"defaultPassword": "locker:password:81fb3628-c6032ee9c5bb:VMware1!",`
		`"certificate": "",`
		`"cluster": "",`
		`"storage": "",`
		`"folderName": "",`
		`"resourcePool": "",`
		`"diskMode": "",`
		`"network": "",`
		`"masterVidmEnabled": "false",`
		`"dns": "",`
		`"domain": "",`
		`"gateway": "",`
		`"netmask": "",`
		`"searchpath": "",`
		`"timeSyncMode": "host",`
		`"ntp": "",`
		`"isDhcp": "false"`
		`}`
		`},`
		`"products": [`
		`{`
		`"id": "vrli",`
		`"version": "8.0.0",`
		`"properties": {`
		`"vrliHostName": "lcm-57.sqa.local",`
			Locker reference will typically in the below format:
			
			Password:
			
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			
			`locker:certificate:<vmid>:<alias>`
			
			License:
			
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response of the Locker creation

		"vCenterList":"[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"vcPassword\":\"locker:password:71df6f8a-4ff4-4be7-9aeb-bf325b12eaa7:lcm-vc1.sqa.local\"}]",
		"vrliAdminPassword": "locker:password:81fb3628-bdad-4c5bb:VMware1!",
		"rootPassword": "locker:password:81fb3628-bdad-49c5bb:VMware1!",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRBC
		Request parameter :
		environmentId : "c9407650-5f76-47a8-99e5-a483de81115b"
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vRBC_import_env",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb3628-32ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
			API and alias would be the one which is provided in the request payload for the locker api.
			
			vRA 8.x
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Deployment Type : (Standard, Cluster)

		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrbc",
		"version": "7.6.0",
		"properties": {
		"vrbCafeHost": "",
		"vrbHostName": "lcm-57.sqa.local",
		"vrbRootPassword":
		"locker:password:81fb3628032ee9c5bb:VMware1!",
		"vCenterList":"[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"vcPassword\":\"locker:password:71df6f8a-4ff4-4be7-9aeb-bf325b12eaa7:lcm-vc1.sqa.local\"}]",
		"vrbAuthType": "standalone",
		"vrbVidmHostName": "",
		"vrbVidmAdminUserName": "",
		"vrbVidmAdminPassword": "",
		"vrbCafeSsoTenant": "vsphere.local",
		"vrbCafeSsoAdminUser": "",
		"vrbCafeSsoPassword": "",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 7.x
		Request parameter :
		environmentId : "c9407650-5f76-47a8-99e5-a483de81115b"
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vRA_import_env",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			
			`locker:certifi`

		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb3628-32ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.1.0",
		"properties": {
		"windowsPassword": "locker:password:81fb3628-bdae9c5bb:VMware1!",
		"vraImportVersion": "7.6.0",
		"cafeHostNamePrimary": "lcm-57.sqa.local",
		"cafeRootPasswordPrimary": "locker:password:81fb3628-bdad-41d9-bb:VMware1!",
		"windowsUserName": "DOMAIN\\USERNAME",
		"tenantName": "vsphere.local",
		"tenantUserName": "configadmin",
		"tenantUserPassword": "locker:password:81fb36-c6032ee9c5bb:VMware1!",
		"vraAdminPassword": "locker:password:81fb3628-91-c6032ee9c5bb:VMware1!",
		"vCenterList": "[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"vcPassword\":\"locker:password:49ff4234-e77c-48d2-8027-bba0514fe511:LCM-VC-Password\"}]"
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
			cate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRNI
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"

		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 8.x
		Request parameter :
		environmentId : "c9407650-5f76-47a8-99e5-a483de81115b"
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vra_import_env",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb36032ee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.1.0",
		"properties": {
		"vraImportVersion": "8.0.0",
		"cafeHostNamePrimary": "lcm-57.sqa.local",
		"cafeRootPasswordPrimary": "locker:password:81fb36-c6032ee9c5bb:VMware1!",
		"vCenterList": "[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"v
			Thick Deployments
			- "diskMode": "thick"
			
			Integrate with vidm :-
			
			"masterVidmEnabled": "true"
			
			"masterVidmEnabled": "false"
			
			TimeSync Mode :
			
			For ntp time sync mode :
			
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync

		cPassword\":\"locker:password:49ff4234-e77c-48d2-8027-bba0514fe511:LCM-VC-Password\"}]"
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRNI
		Request parameter :
		environmentId : "c9407650-5f76-47a8-99e5-a483de81115b"
		Request Body : "environmentRequestDTO"
		{
		"environmentName": "vrni_import_env",
		"environmentHealth": null,
		"logHistory": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "locker:password:81fb3628-bdee9c5bb:VMware1!",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
			mode: NA
			
			Deployment Type: Standard or Cluster
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:

		`}`
		`},`
		`"products": [`
		`{`
		`"id": "vrni",`
		`"version": "5.1.0",`
		`"properties": {`
		`"platformIP": "10.196.57.68",`
		`"vrniPlatformUserName": "configadmin",`
		`"vrniPlatformPassword": "",`
		`"supportPassword": "",`
		`"consolePassword": "",`
		`"vCenterList":"[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"vcPassword\":\"locker:password:71df6f8a-4ff4-4be7-9aeb-bf325b12eaa7:lcm-vc1.sqa.local\"}]",`
		`"isImport": "true"`
		`},`
		`"clusterVIP": {`
		`"clusterVips": []`
		`},`
		`"nodes": []`
		`}`
		`]`
		`}`
		
		`Response code : 200 OK`
		`Response Body :`
		`{`
		`"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"`
		`}`
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			
			`locker:certificate:<vmid>:<alias>`
			
			License:
			
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			Imports vROPS

			Locker Items: Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs. Locker reference will typically in the below format: **Password**: locker:password:<vmid>:<alias> **Certificate**:

			locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api. vRLI **Locker Items:** Locker items such as password, certificat

			es, licenses should be created. Refer section 3 for Locker related APIs. Locker reference will typically in the below format: **Password**: locker:password:<vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<v

			mid>:<alias> VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api. vRBC **Locker Items:** Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker

			related APIs. Locker reference will typically in the below format: **Password**: locker:password:<vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the

			Locker creation API and alias would be the one which is provided in the request payload for the locker api. vRA 8.x **Locker Items:** Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs. Locker reference

			will typically in the below format: **Password**: locker:password:<vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the Locker creation API and alias would be the one which is

			provided in the request payload for the locker api. vRNI **Locker Items:** Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs. Locker reference will typically in the below format: **Password**:

			locker:password:<vmid>:<alias> **Certificate**: locker:certificate:<vmid>:<alias> **License**: locker:license:<vmid>:<alias> VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.

Add Node to Product	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/nodes
		vROPS
		Request parameters :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		productId : vrops
		
		Request Body :
		{
		"environmentName": "suite_all",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:609cc17a8:DC1-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:a1bb8853-8ab2-4ac3-b2d4-f2d36:VMware1!200",
		"certificate": "locker:certificate:f48021-32f0e625d983:vmware",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220",
		"domain": "sqa.local",
		"gateway": "10.198.49.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrops",
		"version": "7.5.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": []
			Products vROPS
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			`locker:password:<vmid>:<alias>`

```
      },
      "nodes": [
        {
          "type": "data",
          "properties": {
            "vmName": "vrops-data",
            "hostName": "sqa.local",
            "ip": "6.6.6.6"
          }
        }
      ],
      "properties": {
        "certificate":
"locker:certificate:f4e9625d983:vmware",
        "productPassword": "locker:password:a1bb8853-8ab2-
4ac3-4f2d36:VMware1!200",
        "licenseRef": "locker:license:24228154-7de8-4953-
ba80-c07dc11bd6f1:vrbc4",
        "disableTls": "",
        "timeSyncMode": "host",
        "masterVidmEnabled": false,
        "ntp": "",
        "affinityRule": false,
        "configureAffinitySeparateAll": "true",
        "deployOption": "xsmall"
      }
    }
  ]
}

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```

vRLI

```
Request parameters:
environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
productId : vrli


Request Body :
{
  "environmentName": "suite_all",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "LCM-VC2",
      "vCenterHost": "lcm-vc2.sqa.local",
      "vcUsername": "autouser@vsphere.local",
      "vcPassword": "locker:password:609cb152-aa53-a8:DC1-
LCM-VC2-Import-vCenter",
      "acceptEULA": "true",
```

Certificate:

locker:certificate:<vmid>:<alias>

License:

locker:license:<vmid>:<alias>

VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.

vRLI

Locker Items:

		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:a1bd4-c474484f2d36:VMware1!200",
		"certificate": "locker:certificate:f4e98b921-32f0e625d983:vmware",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"domain": "sqa.local",
		"gateway": "10.198.49.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrli",
		"version": "4.8.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vrli-worker",
		"properties": {
		"vmName": "vrli-worker-2",
		"hostName": "sqa.local",
		"ip": "4.4.4.4"
		}
		},
		{
		"type": "vrli-worker",
		"properties": {
		"vmName": "vrli-worker",
		"hostName": "sqa.local",
		"ip": "3.3.3.3"
		}
		},
		{
		"type": "vrli-master",
		"properties": {
		"vmName": "vrli-master",
		"hostName": "lcm-57.sqa.local",
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			`locker:certificate:<vmid>:<alias>`

		"ip": "10.196.57.68",
		"rootPassword": "locker:password:a1bbc3-b2d4-c474484f2d36:VMware1!200",
		"cluster": "Datacenter#Cluster-01",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"diskMode": "thin",
		"vCenterHost": "lcm-vc2.sqa.local",
		"storage": "ISCSI-15TB-04",
		"ntp": "",
		"network": "infra-traffic-1024",
		"netmask": "255.255.254.0",
		"vcUsername": "autouser@vsphere.local",
		"domain": "sqa.local",
		"timeSyncMode": "host",
		"folderName": "",
		"vcPassword": "locker:password:609cb152-a7a8:DC1-LCM-VC2-Import-vCenter",
		"gateway": "10.198.49.253",
		"searchpath": "sqa.local",
		"resourcePool": "",
		"disabled": "true"
		}
		}
		],
		"properties": {
		"certificate": "locker:certificate:fd-8021-32f0e625d983:vmware",
		"productPassword": "locker:password:a1bb8852d4-c474484f2d36:VMware1!200",
		"licenseRef": "locker:license:24228154-7de8-4953-ba80-c07dc11bd6f1:vrbc4",
		"nodeSize": "small",
		"configureClusterVIP": "false",
		"affinityRule": false,
		"isUpgradeVmCompatibility": false,
		"vrliAlwaysUseEnglish": false,
		"configureAffinitySeparateAll": "true",
		"masterVidmEnabled": false,
		"ntp": "",
		"timeSyncMode": "host"
		}
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRBC
		Request parameters :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		productId : vrbc
			License:
			
			locker:license:<vmid>:<alias>
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRBC
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be

		Request Body :
		{
		"environmentName": "suite_all",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:609cb152-aa5c17a8:DC1-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:a1bb82d4-c474484f2d36:VMware1!200",
		"certificate": "locker:certificate:f4e988021-32f0e625d983:vmware",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"domain": "sqa.local",
		"gateway": "10.198.49.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrbc",
		"version": "7.5.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "vrb-collector",
		"properties": {
		"vmName": "vrb-collector",
		"hostName": "sqa.local",
			created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			`locker:certificate:<vmid>:<alias>`
			
			License:
			`locker:license:<vmid>:<alias>`

		"ip": "5.5.5.5"
		}
		},
		{
		"type": "vrb-server",
		"properties": {
		"vmName": "vrb-server",
		"hostName": "lcm-57.sqa.local",
		"ip": "10.196.57.68",
		"rootPassword": "locker:password:a1bb82d36:VMware1!200",
		"__vrbServerRootPassword": "locker:password:a16:VMware1!200",
		"installerLocation":"http://localhost:8080/repo/productBinariesRepo/vrbc/7.5.0/install/vrbc.ova",
		"isStandalone": null,
		"vrbServerHostName": "lcm-57.sqa.local",
		"vrbRootPassword": "locker:password:a1bb8853-8ab2-4ac3-b2d4-c474484f2d36:VMware1!200",
		"vrbServerIP": "10.196.57.68",
		"masterVidmEnabled": "false",
		"__vidmGroupName": "vRBC_Administrator",
		"cluster": "Datacenter#Cluster-01",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"diskMode": "thin",
		"vCenterHost": "lcm-vc2.sqa.local",
		"storage": "ISCSI-15TB-04",
		"ntp": "",
		"network": "infra-traffic-1024",
		"netmask": "255.255.254.0",
		"vcUsername": "autouser@vsphere.local",
		"domain": "sqa.local",
		"timeSyncMode": "host",
		"folderName": "",
		"vcPassword": "locker:password:609cb17a8:DC1-LCM-VC2-Import-vCenter",
		"gateway": "10.198.49.253",
		"searchpath": "sqa.local",
		"resourcePool": "",
		"disabled": "true"
		}
		}
		],
		"properties": {
		"certificate": "locker:certificate:f4e98b92-cba0-448d-8021-32f0e625d983:vmware",
		"productPassword": "locker:password:a1bb8853-8ab2-4ac3-b2d4-c474484f2d36:VMware1!200",
		"licenseRef": "locker:license:24228154-7de8-4953-ba80-c07dc11bd6f1:vrbc4",
		"currency": "AED - UAE Dirham",
		"timeSyncMode": "host",
		"masterVidmEnabled": false,
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRA 7.x
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

		"ntp": "",
		"affinityRule": false,
		"configureAffinitySeparateAll": "true",
		"vrbAuthType": "standalone"
		}
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 7.x
		Request parameters :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		productId : vra
		
		Request Body :
		{
		"environmentName": "suite_all",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "LCM-VC2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "autouser@vsphere.local",
		"vcPassword": "locker:password:609cb152-aa53-4466-b17e-6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:a1bb8853-8ab2-4ac3-b2d4-c474484f2d36:VMware1!200",
		"certificate": "locker:certificate:f4e98b92-cba0-448d-8021-32f0e625d983:vmware",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
		"network": "infra-traffic-1024",
		"masterVidmEnabled": "false",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"domain": "sqa.local",
		"gateway": "10.198.49.253",
		"netmask": "255.255.254.0",
		"searchpath": "sqa.local",
		"timeSyncMode": "host",
		"ntp": "",
			Locker reference will typically in the below format:
			
			Password:
			`locker:password:<vmid>:<alias>`
			
			Certificate:
			`locker:certificate:<vmid>:<alias>`
			
			License:
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response of the Locker creation API and alias

```
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vra",
      "version": "7.6.0",
      "patchHistory": null,
      "snapshotHistory": null,
      "logHistory": null,
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": [
        {
          "type": "vra-server-secondary",
          "properties": {
            "vmName": "vra-server-secondary",
            "hostName": "sqa.local",
            "ip": "10.196.57.68"
          }
        },
        {
          "type": "vra-server-primary",
          "properties": {
            "vmName": "vra-server-primary",
            "hostName": "lcm-57.sqa.local",
            "ip": "10.196.57.68",
            "rootPassword": "locker:password:a1bb8853-8ab2-
4ac3-b2d4-c474484f2d36:VMware1!200",
            "cluster": "Datacenter#Cluster-01",
            "dns":
"10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
            "diskMode": "thin",
            "vCenterHost": "lcm-vc2.sqa.local",
            "storage": "ISCSI-15TB-04",
            "ntp": "",
            "network": "infra-traffic-1024",
            "netmask": "255.255.254.0",
            "vcUsername": "autouser@vsphere.local",
            "domain": "sqa.local",
            "timeSyncMode": "host",
            "folderName": "",
            "vcPassword": "locker:password:609cb152-aa53-
4466-b17e-6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "resourcePool": "",
            "disabled": "true"
          }
        },
        {
          "type": "db",
          "properties": {
            "ip": "10.196.57.68",
            "vmName": "db",
```


would be the one which is provided in the request payload for the locker api.

vRA 8.x

Locker Items:

Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

Locker reference will typically in the below format:

		"hostName": "lcm-57.sqa.local",
		"disabled": "true"
		}
		},
		{
		"type": "iaas-web",
		"properties": {
		"vmName": "iaas-web",
		"hostName": "lcm-57.sqa.local",
		"ip": "10.196.57.68",
		"cluster": "Datacenter#Cluster-01",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"diskMode": "thin",
		"vCenterHost": "lcm-vc2.sqa.local",
		"storage": "ISCSI-15TB-04",
		"ntp": "",
		"network": "infra-traffic-1024",
		"netmask": "255.255.254.0",
		"vcUsername": "autouser@vsphere.local",
		"domain": "sqa.local",
		"timeSyncMode": "host",
		"folderName": "",
		"vcPassword": "locker:password:609cb152-aa53-4466-b17e-6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",
		"gateway": "10.198.49.253",
		"searchpath": "sqa.local",
		"resourcePool": "",
		"disabled": "true"
		}
		},
		{
		"type": "iaas-manager-active",
		"properties": {
		"vmName": "iaas-manager-active",
		"hostName": "lcm-57.sqa.local",
		"ip": "10.196.57.68",
		"cluster": "Datacenter#Cluster-01",
		"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
		"diskMode": "thin",
		"vCenterHost": "lcm-vc2.sqa.local",
		"storage": "ISCSI-15TB-04",
		"ntp": "",
		"network": "infra-traffic-1024",
		"netmask": "255.255.254.0",
		"vcUsername": "autouser@vsphere.local",
		"domain": "sqa.local",
		"timeSyncMode": "host",
		"folderName": "",
		"vcPassword": "locker:password:609cb152-aa53-4466-b17e-6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",
		"gateway": "10.198.49.253",
		"searchpath": "sqa.local",
		"resourcePool": "",
		"disabled": "true"
			Password:
			`locker:password:<vmid>:<alias>`
			Certificate:
			`locker:certificate:<vmid>:<alias>`
			License:
			`locker:license:<vmid>:<alias>`
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the

		`}`
		`},`
		`{`
		`"type": "iaas-dem-worker",`
		`"properties": {`
		`"hostName": "lcm-57.sqa.local",`
		`"vmName": "iaas-dem-worker",`
		`"ip": "10.196.57.68",`
		`"cluster": "Datacenter#Cluster-01",`
		`"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",`
		`"diskMode": "thin",`
		`"vCenterHost": "lcm-vc2.sqa.local",`
		`"storage": "ISCSI-15TB-04",`
		`"ntp": "",`
		`"network": "infra-traffic-1024",`
		`"netmask": "255.255.254.0",`
		`"vcUsername": "autouser@vsphere.local",`
		`"domain": "sqa.local",`
		`"timeSyncMode": "host",`
		`"folderName": "",`
		`"vcPassword": "locker:password:609cb152-aa53-4466-b17e-6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",`
		`"gateway": "10.198.49.253",`
		`"searchpath": "sqa.local",`
		`"resourcePool": "",`
		`"disabled": "true"`
		`}`
		`},`
		`{`
		`"type": "proxy-agent-vsphere",`
		`"properties": {`
		`"hostName": "lcm-57.sqa.local",`
		`"vmName": "proxy-agent-vsphere",`
		`"ip": "10.196.57.68",`
		`"vsphereEndpointName": "",`
		`"cluster": "Datacenter#Cluster-01",`
		`"dns": "10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",`
		`"diskMode": "thin",`
		`"vCenterHost": "lcm-vc2.sqa.local",`
		`"storage": "ISCSI-15TB-04",`
		`"ntp": "",`
		`"network": "infra-traffic-1024",`
		`"netmask": "255.255.254.0",`
		`"vcUsername": "autouser@vsphere.local",`
		`"domain": "sqa.local",`
		`"timeSyncMode": "host",`
		`"folderName": "",`
		`"vcPassword": "locker:password:609cb152-aa53-4466-b17e-6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",`
		`"gateway": "10.198.49.253",`
		`"searchpath": "sqa.local",`
		`"resourcePool": "",`
		`"disabled": "true"`
			locker api.
			
			vIDM
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:
			
			Password:
			
			`locker:password:<vmid>:<alias>`

		`}`
		`}`
		`],`
		`"properties": {`
		`"windowsUserName": "DOMAIN\\VISHNU",`
		`"msCertificate": "",`
		`"webCertificate": "",`
		`"useComponentCertificate": false,`
		`"certificate": "locker:certificate:f4e98b92-cba0-448d-8021-32f0e625d983:vmware",`
		`"productPassword": "locker:password:a1bb8853-8ab2-4ac3-b2d4-c474484f2d36:VMware1!200",`
		`"licenseRef": "locker:license:24228154-7de8-4953-ba80-c07dc11bd6f1:vrbc4",`
		`"windowsPassword": "locker:password:a1bb8853-8ab2-4ac3-b2d4-c474484f2d36:VMware1!200",`
		`"masterVidmEnabled": false,`
		`"timeSyncMode": "host",`
		`"ntp": "",`
		`"configureWindowVM": "false",`
		`"affinityRule": false,`
		`"configureAffinitySeparateAll": "true",`
		`"configureClusterVIP": "false",`
		`"installInitialContent": false,`
		`"cafeCertificate": ""`
		`}`
		`}`
		`]`
		`}`
		
		`Response code : 200 OK`
		`Response Body :`
		`{`
		`"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"`
		`}`
		vRA 8.x
		`Request parameters :`
		`environmentId : vRA-Prelude-Standalone1582715152352`
		`productId : vra`
		
		`Request body :`
		`{`
		`"environmentName": "vRA-Prelude-Standalone",`
		`"infrastructure": {`
		`"properties": {`
		`"vrniLicense": "",`
		`"cluster": "Datacenter-01#Cluster-01",`
		`"regionName": "default",`
		`"certificate": "locker:certificate:9bd1210e-6703-45ee-b6f1-9e8fe0993e35:lcm-prelude-sn-215-cert",`
		`"diskMode": "thin",`
		`"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",`
		`"vCenterHost": "lcm-vc1.sqa.local",`
		`"storage": "ISCSI-15TB-02",`
			Certificate:
			
			`locker:certificate:<vmid>:<alias>`
			
			License:
			
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.
			
			vRNI
			
			Locker Items:

```
      "network": "Datacenter-01-DV-DVUplinks-55",
      "netmask": "255.255.254.0",
      "enableTelemetry": "true",
      "zoneName": "default",
      "vcPassword": "locker:password:6217e1d0-6b21-4c3f-9bef-
9f831d35f2d2:LCM-VC-Password",
      "defaultPassword": "locker:password:44aa9111-fb83-4dc7-
898038b:Products-Default-Admin-Password",
      "adminEmail": "vrslcm@vmware.com",
      "resourcePool": "",
      "dns": "10.141.66.213,10.118.183.252",
      "ntp": "ntp1.eng.vmware.com",
      "vCenterName": "VC2",
      "license": "FM6J2-8L2DQ-48V1J-053AP-CE246",
      "vcUsername": "autouser@vsphere.local",
      "domain": "sqa.local",
      "licenseVmid": "da4a32b6-d5ec-4878-b490-66518abebecd",
      "timeSyncMode": "ntp",
      "acceptEULA": "true",
      "folderName": "",
      "gateway": "10.196.55.253",
      "searchpath": "sqa.local",
      "isDhcp": "undefined"
    }
  },
  "products": [
    {
      "id": "vra",
      "version": "8.0.1",
      "snapshotHistory": null,
      "logHistory": null,
      "clusterVIP": {
        "clusterVips": [
          {
            "type": "vra-va",
            "properties": {
              "hostName": "sqa.local"
            }
          }
        ]
      },
      "nodes": [
        {
          "type": "vrava-secondary",
          "properties": {
            "vmName": "vrava-secondary-2",
            "hostName": "sqa.local",
            "ip": "2.2.2.2"
          }
        },
        {
          "type": "vrava-secondary",
          "properties": {
            "vmName": "vrava-secondary",
            "hostName": "sqa.local",
            "ip": "2.2.2.2"
```


Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

Locker reference will typically in the below format:

Password:

`locker:password:<vmid>:<alias>`

Certificate:

`locker:certificate:<vmid>:<alias>`

		`}`
		`},`
		`{`
		`"type": "vrava-primary",`
		`"properties": {`
		`"vmName": "Nightly_vrava_prelude_SN",`
		`"hostName": "lcm-54-215.sqa.local",`
		`"ip": "10.196.54.215",`
		`"rootPassword": "locker:password:44aa9111-fb83-4dc7-898b:Products-Default-Admin-Password",`
		`"cluster": "Cluster-01",`
		`"dns": "10.141.66.213,10.118.183.252",`
		`"diskMode": "thin",`
		`"vCenterHost": "lcm-vc1.sqa.local",`
		`"storage": "vsanDatastore",`
		`"ntp": "ntp1.eng.vmware.com",`
		`"network": "infra-traffic-1023",`
		`"contentLibraryItemId": null,`
		`"netmask": "255.255.254.0",`
		`"vcUsername": "autouser@vsphere.local",`
		`"domain": "sqa.local",`
		`"timeSyncMode": "ntp",`
		`"folderName": "group-v34374",`
		`"vcPassword": "locker:password:6217e1d0-6b21-4c3f-9bef-9f831d35f2d2:LCM-VC-Password",`
		`"gateway": "10.196.55.253",`
		`"searchpath": "sqa.local",`
		`"resourcePool": "resgroup-34373",`
		`"disabled": "true"`
		`}`
		`}`
		`],`
		`"properties": {`
		`"certificate": "locker:certificate:9bd1210e-6703-45ee-b6f1-9e8fe0993e35:lcm-prelude-sn-215-cert",`
		`"contentLibraryItemId": "",`
		`"productPassword": "locker:password:44aa9111-fb8f24b38b:Products-Default-Admin-Password",`
		`"licenseRef": "locker:license:da4a32b6-d5ec-4878-b490-66518abebecd:NightlySuite19License"`
		`}`
		`}`
		`]`
		`}`
		
		`Response code : 200 OK`
		`Response Body :`
		`{`
		`"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"`
		`}`
		vIDM
		`Request parameters :`
		`environmentId : globalenvironment`
		`productId : vidm`
			License:
			
			`locker:license:<vmid>:<alias>`
			
			VMID which you will get as a response of the Locker creation API and alias would be the one which is provided in the request payload for the locker api.

Request body :


```
{
  "environmentName": "globalenvironment",
  "infrastructure": {
    "properties": {
      "vrniLicense": null,
      "cluster": "LCM-Datacenter#LCM-Cluster",
      "regionName": "default",
      "certificate": "locker:certificate:d37db1be-6e8c-4777-
8a73-25ffdcf61126:lcm-nightly-vidm-cert",
      "diskMode": "thin",
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "vCenterHost": "wdc-lcm-vc.sqa.local",
      "storage": "vsanDatastore",
      "network": "DONT-USE-vMotion-3100",
      "netmask": "255.255.254.0",
      "enableTelemetry": "true",
      "zoneName": "default",
      "vcPassword": "locker:password:2f369425-9f8f-416e-b921-
dd691a0c31af:VMware-Default-Password",
      "defaultPassword": "locker:password:2f369425-9f8f-416e-
b921-dd691a0c31af:VMware-Default-Password",
      "adminEmail": "vrslcm@vmware.com",
      "resourcePool": "",
      "dns": "10.141.66.213,10.118.183.252",
      "ntp": "",
      "vCenterName": "VC3",
      "license": "H109R-40391-M828D-0PARH-2EUMY",
      "vcUsername": "administrator@vsphere.local",
      "domain": "sqa.local",
      "licenseVmid": "1b68ace4-fe9b-48dd-bcf8-714e234ddbd1",
      "timeSyncMode": "null",
      "acceptEULA": "true",
      "folderName": "",
      "gateway": "10.198.49.253",
      "searchpath": "sqa.local"
    }
  },
  "products": [
    {
      "id": "vidm",
      "version": "3.3.2",
      "patchHistory": null,
      "snapshotHistory": null,
      "logHistory": null,
      "clusterVIP": {
        "clusterVips": [
          {
            "type": "vidm-lb",
            "properties": {
              "hostName": "lcm-vrs-49-29.sqa.local"
            }
          },
          {
```

```
            "type": "vidm-delegate",
            "properties": {
              "ip": "10.198.49.30"
            }
          }
        ]
      },
      "nodes": [
        {
          "type": "vidm-connector",
          "properties": {
            "hostName": "sqa.local",
            "isDomainJoined": true,
            "domainAdmin": "Domain\\admin",
            "domainAdminPassword": "locker:password:2f369425-
9f8f-4a0c31af:VMware-Default-Password",
            "adminUserName": "",
            "adminPassword": "",
            "vmName": "vidm-connector-4",
            "vidmConnectorName": "windows",
            "vidmConnectorAdminPassword":
"locker:password:6217e1d0-69bef-9f831d35f2d2:LCM-VC-Password"
          }
        },
        {
          "type": "vidm-primary",
          "properties": {
            "vmName": "Nightly_vidm-primary-26",
            "hostName": "lcm-vrs-49-26.sqa.local",
            "ip": "10.198.49.26",
            "vidmRootPassword": "locker:password:2f369425-
9f8f-416e-b1af:VMware-Default-Password",
            "vidmSshPassword": "locker:password:2f369425-
9f8f-416e-ba0c31af:VMware-Default-Password",
            "vidmSystemAdminPassword":
"locker:password:2f369425-9f821-dd691a0c31af:VMware-Default-
Password",
            "isMasterNode": "true",
            "cluster": "LCM-Cluster",
            "dns": "10.141.66.213,10.118.183.252",
            "diskMode": "thin",
            "vCenterHost": "wdc-lcm-vc.sqa.local",
            "storage": "vsanDatastore",
            "ntp": null,
            "network": "VM-Network-1016",
            "contentLibraryItemId": null,
            "netmask": "255.255.254.0",
            "vcUsername": "administrator@vsphere.local",
            "domain": "sqa.local",
            "timeSyncMode": null,
            "folderName": "",
            "vcPassword": "locker:password:2f369425-9f8f-
416e-b921-dd691a0c31af:VMware-Default-Password",
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "resourcePool": "",
```

```
            "disabled": "true"
          }
        },
        {
          "type": "vidm-secondary",
          "properties": {
            "vmName": "Nightly_vidm-secondary-27",
            "hostName": "lcm-vrs-49-27.sqa.local",
            "ip": "10.198.49.27",
            "vidmRootPassword": "locker:password:2f369425-
9f21-dd691a0c31af:VMware-Default-Password",
            "vidmSshPassword": "locker:password:2f369425-
9f8f-491a0c31af:VMware-Default-Password",
            "vidmSystemAdminPassword":
"locker:password:2f36942-b921-dd691a0c31af:VMware-Default-
Password",
            "isMasterNode": "false",
            "cluster": "LCM-Cluster",
            "dns": "10.141.66.213,10.118.183.252",
            "diskMode": "thin",
            "vCenterHost": "wdc-lcm-vc.sqa.local",
            "storage": "vsanDatastore",
            "ntp": null,
            "network": "VM-Network-1016",
            "contentLibraryItemId": null,
            "netmask": "255.255.254.0",
            "vcUsername": "administrator@vsphere.local",
            "domain": "sqa.local",
            "timeSyncMode": null,
            "folderName": "",
            "vcPassword": "locker:password:2f369425-9f8f-
416e-b921-dd691a0c31af:VMware-Default-Password",
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "resourcePool": "",
            "disabled": "true"
          }
        },
        {
          "type": "vidm-secondary",
          "properties": {
            "vmName": "Nightly_vidm-secondary-28",
            "hostName": "lcm-vrs-49-28.sqa.local",
            "ip": "10.198.49.28",
            "vidmRootPassword": "locker:password:2f369425-
9f8f-416e-b921-dd691a0c31af:VMware-Default-Password",
            "vidmSshPassword": "locker:password:2f369425-
9f8f-416e-b921-dd691a0c31af:VMware-Default-Password",
            "vidmSystemAdminPassword":
"locker:password:2f369425a0c31af:VMware-Default-Password",
            "isMasterNode": "false",
            "cluster": "LCM-Cluster",
            "dns": "10.141.66.213,10.118.183.252",
            "diskMode": "thin",
            "vCenterHost": "wdc-lcm-vc.sqa.local",
            "storage": "vsanDatastore",
```

```
            "ntp": null,
            "network": "VM-Network-1016",
            "contentLibraryItemId": null,
            "netmask": "255.255.254.0",
            "vcUsername": "administrator@vsphere.local",
            "domain": "sqa.local",
            "timeSyncMode": null,
            "folderName": "",
            "vcPassword": "locker:password:2f369425-9f8f-
416e-b921-dd691a0c31af:VMware-Default-Password",
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "resourcePool": "",
            "disabled": "true"
          }
        },
        {
          "type": "vidm-connector",
          "properties": {
            "hostName": "lcm-vrs-49-26.sqa.local",
            "isDomainJoined": true,
            "domainAdmin": "",
            "domainAdminPassword": "",
            "adminUserName": "",
            "adminPassword": "",
            "vmName": "Nightly_vidm-primary-26",
            "vidmConnectorName": "",
            "vidmConnectorAdminPassword": "",
            "cluster": "LCM-Cluster",
            "esxHost": "w3-hs1-050410.eng.vmware.com",
            "diskMode": "thin",
            "vCenterHost": "wdc-lcm-vc.sqa.local",
            "masterTenantId": "LCM-VRS-49-26",
            "storage": "vsanDatastore",
            "windowsDeployement": "false",
            "network": "VM-Network-1016",
            "instanceId": "19ce8682-22cf-41f0-80b2-
0814a877af32",
            "affinityRules": null,
            "vcPassword": "locker:password:2f369425-9f8f-
416e-b921-dd691af:VMware-Default-Password",
            "cpuCount": "2",
            "resourcePool": null,
            "canBeDeleted": "true",
            "esxHostBuild": "15177306",
            "ip": "10.198.49.26",
            "dns": "10.141.66.213,10.118.183.252",
            "ESXI Version": "6.5.0",
            "version": "3.3.2",
            "domainJoined": "null",
            "port": "8443",
            "domain": "sqa.local",
            "vcUsername": "administrator@vsphere.local",
            "folderName": null,
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
```

```
            "disabled": "true"
          }
        },
        {
          "type": "vidm-connector",
          "properties": {
            "hostName": "lcm-vrs-49-28.sqa.local",
            "isDomainJoined": true,
            "domainAdmin": "",
            "domainAdminPassword": "",
            "adminUserName": "",
            "adminPassword": "",
            "vmName": "Nightly_vidm-secondary-28",
            "vidmConnectorName": "",
            "vidmConnectorAdminPassword": "",
            "cluster": "LCM-Cluster",
            "esxHost": "w3-hs1-050411.eng.vmware.com",
            "diskMode": "thin",
            "vCenterHost": "wdc-lcm-vc.sqa.local",
            "masterTenantId": "LCM-VRS-49-26",
            "storage": "vsanDatastore",
            "windowsDeployement": "false",
            "network": "VM-Network-1016",
            "instanceId": "4c463406-c5f3-4ad9-baea-
d4c8d513a9cb",
            "affinityRules": null,
            "vcPassword": "locker:password:2f369425-9f8f-
416e-b921-dd691a0c31af:VMware-Default-Password",
            "cpuCount": "2",
            "resourcePool": null,
            "canBeDeleted": "true",
            "esxHostBuild": "15177306",
            "ip": "10.198.49.28",
            "dns": "10.141.66.213,10.118.183.252",
            "ESXI Version": "6.5.0",
            "version": "3.3.2",
            "domainJoined": "null",
            "port": "8443",
            "domain": "sqa.local",
            "vcUsername": "administrator@vsphere.local",
            "folderName": null,
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "disabled": "true"
          }
        },
        {
          "type": "vidm-connector",
          "properties": {
            "hostName": "lcm-vrs-49-27.sqa.local",
            "isDomainJoined": true,
            "domainAdmin": "",
            "domainAdminPassword": "",
            "adminUserName": "",
            "adminPassword": "",
            "vmName": "Nightly_vidm-secondary-27",
```

```
            "vidmConnectorName": "",
            "vidmConnectorAdminPassword": "",
            "cluster": "LCM-Cluster",
            "esxHost": "w3-hs1-050407.eng.vmware.com",
            "diskMode": "thin",
            "vCenterHost": "wdc-lcm-vc.sqa.local",
            "masterTenantId": "LCM-VRS-49-26",
            "storage": "vsanDatastore",
            "windowsDeployement": "false",
            "network": "VM-Network-1016",
            "instanceId": "550a1d0d-36bc-4434-b7cd-
b5844d561f73",
            "affinityRules": null,
            "vcPassword": "",
            "cpuCount": "2",
            "resourcePool": null,
            "canBeDeleted": "true",
            "esxHostBuild": "15177306",
            "ip": "10.198.49.27",
            "dns": "10.141.66.213,10.118.183.252",
            "ESXI Version": "6.5.0",
            "version": "3.3.2",
            "domainJoined": "null",
            "port": "8443",
            "domain": "sqa.local",
            "vcUsername": "administrator@vsphere.local",
            "folderName": null,
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "disabled": "true"
          }
        }
      ],
      "properties": {
        "__vidmHost": "lcm-vrs-49-29.sqa.local",
        "vidmAdminPassword": "",
        "syncGroupMembers": true,
        "defaultConfigurationUsername": "configadmin",
        "defaultConfigurationPassword": "",
        "certificate": "locker:certificate:d37db1be-6e86:lcm-
nightly-vidm-cert",
        "contentLibraryItemId": ""
      }
    }
  ]
}
```


Response code : 200 OK
Response Body :


```
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```


vRNI

Request parameters :
environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e

productId : vrni

Request Body :


```
{
  "environmentName": "suite_all",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-
c34a4d3d90c2",
      "regionName": "default",
      "zoneName": "default",
      "vCenterName": "LCM-VC2",
      "vCenterHost": "lcm-vc2.sqa.local",
      "vcUsername": "autouser@vsphere.local",
      "vcPassword": "locker:password:609cb152-aa53-4466-b17e-
6d2d3f2c17a8:DC1-LCM-VC2-Import-vCenter",
      "acceptEULA": "true",
      "enableTelemetry": "true",
      "adminEmail": "rvishnuvardh@vmware.com",
      "defaultPassword": "locker:password:a1bb8853-8ab2-4ac3-
b2d4-c474484f2d36:VMware1!200",
      "certificate": "locker:certificate:f4e98b92-cba0-448d-
8021-32f0e625d983:vmware",
      "cluster": "Datacenter#Cluster-01",
      "storage": "ISCSI-15TB-04",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "thin",
      "network": "infra-traffic-1024",
      "masterVidmEnabled": "false",
      "dns":
"10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
      "domain": "sqa.local",
      "gateway": "10.198.49.253",
      "netmask": "255.255.254.0",
      "searchpath": "sqa.local",
      "timeSyncMode": "host",
      "ntp": "",
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vrni",
      "version": "5.0.0",
      "patchHistory": null,
      "snapshotHistory": null,
      "logHistory": null,
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": [
        {
          "type": "vrni-collector",
          "properties": {
```

```
            "vmName": "vrni-collector-2",
            "vrniNodeSize": "medium",
            "ip": "2.2.2.2"
          }
        },
        {
          "type": "vrni-platform",
          "properties": {
            "vmName": "vrni-platform",
            "vrniNodeSize": "medium",
            "ip": "10.196.57.68",
            "isMaster": "true",
            "masterIP": "10.196.57.68",
            "cluster": "Datacenter#Cluster-01",
            "dns":
"10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
            "diskMode": "thin",
            "vCenterHost": "lcm-vc2.sqa.local",
            "storage": "ISCSI-15TB-04",
            "ntp": "",
            "network": "infra-traffic-1024",
            "netmask": "255.255.254.0",
            "vcUsername": "autouser@vsphere.local",
            "domain": "sqa.local",
            "timeSyncMode": "host",
            "folderName": "",
            "vcPassword": "locker:password:609d3f2c17a8:DC1-
LCM-VC2-Import-vCenter",
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "resourcePool": "",
            "vrniPlatformUserName": "admin@local",
            "license": null,
            "consolePassword": "locker:password:a1bb-
c474484f2d36:VMware1!200",
            "supportPassword": "locker:password:a1d4-
c474484f2d36:VMware1!200",
            "vrniPlatformPassword":
"locker:password:a1c474484f2d36:VMware1!200",
            "supportUserName": "support",
            "licenseRef":
"locker:license:eab643cf0b9cafa:license",
            "platformIP": "10.196.57.68",
            "disabled": "true"
          }
        },
        {
          "type": "vrni-collector",
          "properties": {
            "vmName": "vrni-collector",
            "vrniNodeSize": "medium",
            "ip": "10.196.57.68",
            "cluster": "Datacenter#Cluster-01",
            "dns":
"10.141.66.213,10.118.183.252,10.141.66.220,2.2.2.2",
            "diskMode": "thin",
```

```
            "vCenterHost": "lcm-vc2.sqa.local",
            "storage": "ISCSI-15TB-04",
            "ntp": "",
            "network": "infra-traffic-1024",
            "netmask": "255.255.254.0",
            "vcUsername": "autouser@vsphere.local",
            "domain": "sqa.local",
            "timeSyncMode": "host",
            "folderName": "",
            "vcPassword": "locker:password:609cb13-446a8:DC1-
LCM-VC2-Import-vCenter",
            "gateway": "10.198.49.253",
            "searchpath": "sqa.local",
            "resourcePool": "",
            "supportPassword": "locker:password:a1bac3-b2d4-
c474484f2d36:VMware1!200",
            "consolePassword": "locker:password:a1bb83-b2d4-
c474484f2d36:VMware1!200",
            "disabled": "true"
          }
        }
      ],
      "properties": {
        "certificate": "locker:certificate:f4ed-8021-
32f0e625d983:vmware",
        "productPassword": "locker:password:a1b2d4-
c474484f2d36:VMware1!200",
        "licenseRef": "locker:license:eabffc8c-50e3-4d62-
bc21-643cf0b9cafa:license",
        "ntp": "",
        "affinityRule": false,
        "configureAffinitySeparateAll": "true",
        "masterVidmEnabled": false
      }
    }
  ]
}

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
}
```

Delete an Environment	POST	/lcm/lcops/api/v2/environments/{environmentId}
		Request parameter :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		
		Request body :
		{
		  "deleteFromInventory": true,
		  "deleteFromVcenter": true,
		  "deleteWindowsVMs": true
		}
		
		Response code : 200 OK
		Response Body :
		{
		  "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Trigger Health Check for Environment	POST	/lcm/lcops/api/v2/environments/{environmentId}/health-check
		Request parameter :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		
		Response code : 200 OK
		Response Body :
		{
		  "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Enable or Disable Health Check for Environment	POST	/lcm/lcops/api/v2/environments/{environmentId}/health-check/toggle
		Request parameter :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		toggle : enable
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Trigger Inventory Sync for Environment	POST	/lcm/lcops/api/v2/environments/{environmentId}/inventory-sync
		Request parameter :
		environmentId : 3184bdcb-e82a-4bc5-aba5-46dec1d15a7e
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Trigger Inventory Sync for All Environments	POST	/lcm/lcops/api/v2/environments/inventory-sync
		Response code : 200 OK
		Response Body :
		[
		{
		"requestId": "35c32b32-aa3b-4cc3-be49-d5e4e703ecbb"
		},
		{
		"requestId": "2d02a889-a406-4c3e-8a6f-599203ff2014"
		}
		]	

Validate an Environment	POST	/lcm/lcops/api/v2/environments/pre-validate
		Request body : "environmentRequestDTO"
		{
		"environmentName": "vropsimport",
		"infrastructure": {
		"properties": {
		"cluster": "",
		"dns": "",
		"certificate": "",
		"diskMode": "",
		"vCenterHost": "",
		"storage": "",
		"ntp": "",
		"vCenterName": "",
		"network": "",
		"masterVidmEnabled": "false",
		"netmask": "",
		"dataCenterVmid": "d7689aa2-8b4d-4c60-a560-d733a089c558",
		"vcUsername": "",
		"domain": "",
		"enableTelemetry": "true",
		"folderName": "",
		"acceptEULA": "false",
		"vcPassword": "",
		"gateway": "",
		"searchpath": "",
		"defaultPassword": "locker:password:5b9d1a8e-49dc-4137-9f8a-b0c2fbb12fe3:VMware1!",
		"resourcePool": ""
		}
		},
		"products": [
		{
		"id": "vrops",
		"version": "8.2.0",
		"patchHistory": "",
		"snapshotHistory": "[{\n \"snapshotGeneratedTime\" : 1596774385117,\n \"snapshotName\" : \"vrops_ - Fri Aug 07 04:24:22 UTC 2020\",\n \"snapshotWithMemory\" : true\n}, {\n \"snapshotGeneratedTime\" : 1596774817746,\n \"snapshotName\" : \"snapshot2 - Fri Aug 07 04:31:34 UTC 2020\",\n \"snapshotWithMemory\" : true\n}]",
		"logHistory": "",
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "master",
		"properties": {
		"hostName": "lcm-34-241.sqa.local",
		"cluster": "LCM-DC#LCM-Cluster-01",
		"vmName": "kbolaj-vidm-primary2412-332",
		"ip": "10.198.34.241",
		"dns": "10.141.66.213,10.118.183.252",	

```
            "diskMode": "thin",
            "timeZone": "",
            "vCenterHost": "lcm-vc.sqa.local",
            "storage": "FC-5TB-new",
            "ntp": "",
            "extendedStorage": "",
            "network": "infra-traffic-1006",
            "contentLibraryItemId": "",
            "netmask": "255.255.254.0",
            "vcUsername": "devuser@vsphere.local",
            "domain": "sqa.local",
            "folderName": "",
            "vcPassword": "locker:password:65b3111f-5512-
4915-b68c-d1c0fde2f86e:VC2-password",
            "gateway": "10.198.35.253",
            "searchpath": "sqa.local",
            "resourcePool": "resgroup-59134 (KiranBolaj)"
          }
        },
        {
          "type": "data",
          "properties": {
            "hostName": "lcm-34-242.sqa.local",
            "timeZone": "",
            "vmName": "kbolajData242",
            "storage": "FC-5TB-new",
            "extendedStorage": "",
            "ip": "10.198.34.242"
          }
        }
      ],
      "properties": {
        "masterVidmHostname": null,
        "vropsAdminPassword": "locker:password:5b9d1a8e-49dc-
4137-9f8a-b0c2fbb12fe3:VMware1!",
        "certificateChain": "-----BEGIN CERTIFICATE-----
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```

```
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fmUnh/nJ7HEJDYpN8s0giQjEaCl9rN\n-----END CERTIFICATE-----\n",
        "__productId": "vrops",
        "ntp": "lcm-34-241.sqa.local",
        "masterVidmEnabled": "false",
        "affinityRule": "false",
        "__version": "8.2.0",
        "disableTls": "TLSv1,TLSv1.1",
        "latestPatchVersion": "8.2.0-16285347",
        "configureAffinitySeparateAll": "true",
        "isCaEnabled": "false",
        "deployOption": "small",
        "licenseRef": "locker:license:3374f461-9cd6-48a3-
893c-3e740bc027d9:vropsimport-vrops-H109R-XXXX-2EUMY"
      }
    }
  ]
}


Response code : 200 OK
Response body :
{
  "requestId": "870bf666-21ac-447a-a3c5-ec6c3a86d166"
}
```

Change FIPS mode	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/fips
		Request parameters :
		environmentId : a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55
		productId : vrops
		
		Request body : "toggleFipsModeDTO"
		{
		"fipsMode": "true"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "870bf666-21ac-447a-a3c5-ec6c3a86d166"
		}
			This API is only for vROPS and VRLI products.

Change NTP configuration	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/ntpConfig
		Request parameters :
		environmentId : a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55
		productId : vrops
		
		Request body : "changeNtpConfigDTO"
		{
		"ntpServers": "ntp1.eng.vmware.com,ntp2.eng.vmware.com",
		"preValidate": true,
		"timeSyncMode": "host or ntp"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "870bf666-21ac-447a-a3c5-ec6c3a86d166"
		}
			This API is only for vROps, vRLI, vRNI and vRA

Toggle CEIP Setting	POST	/lcm/lcops/api/v2/environments/{environmentId}/toggleCeip
		Request parameters :
		environmentId : a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55
		
		Request body : "toggleCeipSettingDTO"
		{
		"enableTelemetry": "true"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "870bf666-21ac-447a-a3c5-ec6c3a86d166"
		}
			This API is only for VCF user with VCF enabled environment

Toggle VCF environment flag	POST	/lcm/lcops/api/v2/environments/{environmentId}/toggleVcfEnvironment
		Request parameters :
		environmentId : a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55
		
		Request body : "toggleVcfEnvironmentDTO"
		{
		"productToLbMap": "{\"vrops\": \"vrops-lb.vsphere.local\", \"vra\": \"vra-lb.vsphere.local\"}",
		"turnOffVcfEnabledEnvironment": true
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "870bf666-21ac-447a-a3c5-ec6c3a86d166"
		}
			This API is only for VCF user. It does not apply on globalenvironment.

Deployed Product Operation APIs

Name	HTTPMethod	Endpoint	Description

Get Product Details	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		productId : vrops
		
		Response code : 200 OK
		Response Body :
		{
		"id": "vrops",
		"version": "8.2.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": [
		{
		"type": "master",
		"properties": {
		"hostName": "lcm-34-241.sqa.local",
		"cluster": "LCM-Cluster-01",
		"esxHost": "w3-hs1-050218.eng.vmware.com",
		"memory": "6",
		"diskMode": "thin",
		"vCenterHost": "lcm-vc.sqa.local",
		"storage": "FC-5TB-new",
		"network": "infra-traffic-1006",
		"capacity": "60.2",
		"affinityRules": null,
		"vcPassword": "locker:password:f78e6d56-29ed-4e8d-b9fc-f7be8056ba08:VMware@505",
		"cpuCount": "2",
		"rootPassword": "locker:password:c3b1c44d-4974-415a-a695-d63476e90ede:VMware1!",
		"resourcePool": "resgroup-59134 (KiranBolaj)",
		"vmName": "kbolaj-vidm-primary2412-332",
		"esxHostBuild": "15169789",
		"ip": "10.198.34.241",
		"dns": "10.141.66.213,10.118.183.252",
		"ESXI Version": "6.0.0",
		"domain": "sqa.local",
		"vcUsername": "devuser@vsphere.local",
		"folderName": null,
		"gateway": "10.198.35.253",
		"searchpath": "sqa.local",
		"deployOption": "small",
		"netmask": "255.255.254.0",
		"__vMoid": "vm-73323",
		"__verified": "true"
		}
		},	

```
    {
      "type": "data",
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        "hostName": "lcm-34-242.sqa.local",
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        "esxHost": "w3-hs1-050123.eng.vmware.com",
        "memory": "16",
        "diskMode": "thin",
        "vCenterHost": "lcm-vc.sqa.local",
        "storage": "FC-5TB-new",
        "network": "infra-traffic-1006",
        "capacity": "274.0",
        "affinityRules": null,
        "vcPassword": "locker:password:f78e6d56-
29ed-4e8d-b9fc-f7be8056ba08:Vcpwd",
        "cpuCount": "4",
        "rootPassword": "locker:password:c3b1c44d-
4974-415a-a695-d63476e90ede:rootpwd",
        "resourcePool": "resgroup-59134
(KiranBolaj)",
        "vmName": "kbolajData242",
        "esxHostBuild": "15169789",
        "ip": "10.198.34.242",
        "dns": "10.141.66.213,10.118.183.252",
        "ESXI Version": "6.0.0",
        "domain": "sqa.local",
        "vcUsername": "devuser@vsphere.local",
        "folderName": null,
        "gateway": "10.198.35.253",
        "searchpath": "sqa.local",
        "deployOption": null,
        "netmask": null,
        "__vMoid": "vm-78152"
      }
    }
  ],
  "properties": {
    "masterVidmHostname": null,
    "vropsAdminPassword":
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d63476e90ede:VM!",
    "certificateChain": "-----BEGIN CERTIFICATE---
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+F7Z0VIkVynSzAIewNkdylh+18MlQ719ah9GKMe5cHAUoM8/lf
hDEkFH\njKI5XYMEwOeiZIREX8XDJ5eIZTAKui2LQPuDjUwnzQ
BF0mGNl2FufimwwBfOx47N\nLlL+5AlHK396NNOydyWTyeEYn3
57Krp1UTweomvQU55xu4TbYoYVuAfzwy/6IEq0\nP9bsqrn1FY
UC8gWrjArwD6cRt1jn7/fmUnh/nJ7HEJDYpN8s0giQjEaCl9rN
\n-----END CERTIFICATE-----\n",
    "__productId": "vrops",
    "ntp": "lcm-34-241.sqa.local",
    "masterVidmEnabled": "false",
    "license": "H109R-40391-M828D-0PARH-2EUMY,",
    "affinityRule": "false",
    "__version": "8.2.0",
    "disableTls": "TLSv1,TLSv1.1",
    "latestPatchVersion": "8.2.0-16285347",
    "configureAffinitySeparateAll": "true",
    "deployOption": "small",
    "license-1": "{\"alias\":\"vROPS-vrops-H109R-
XXXX-2EUMY\",\"key\":\"H109R-40391-M828D-0PARH-
2EUMY\",\"description\":\"VMware vRealize Suite
2018

		Enterprise\",\"quantity\":10,\"unit\":\"plu\",\"type\":\"vRealizeSuite\",\"account\":null,\"expiry\":0,\"status\":\"ACTIVE\",\"onPremAllocation\":null,\"startDate\":null,\"endDate\":null,\"casId\":null,\"lintId\":null,\"falconId\":null,\"productVersionMap\":{\"vrni\":[],\"vrops\":[\"8.1.1\",\"8.2.0\",\"8.0.0\",\"8.0.1\",\"8.1.0\",\"7.5.0\"],\"vra\":[\"8.2.0\",\"8.0.0\",\"8.0.1\",\"8.1.0\",\"7.5.0\",\"7.6.0\"],\"vrbc\":[\"7.5.0\",\"7.6.0\"],\"vrli\":[\"4.8.0\",\"8.1.1\",\"8.2.0\",\"8.0.0\",\"8.1.0\"]},\"expired\":false}", "licenseVmid": "3b2da3c2-551b-4c5d-b2eb-46dd4b16e525" } }	

Delete a Product	DELETE	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		tenantId : <optional>
		productId : vrops
		
		Request body :
		{
		"deleteFromVcenter": true,
		"deleteWindowsVMs": true,
		"standalone": true
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
			For vSSC delete product API has tenantId as query parameter
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}?tenantId
			
			tenantId is "Standalone vRASSC" for vSSC standalone deployment

Update Product Admin Password	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/admin-password
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		tenantId : <optional>
		productId : vrops
		
		Request body : "updateAdminPasswordRequestDTO"
		{
		"adminPassword": "vrslcm!200",
		"currentAdminPassword": "vrslcm!"
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
			For vSSC admin password change API is
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/admin-password?tenantId
			
			tenantId is "Standalone vRASSC" for vSSC standalone deployment

Export Product Configuration (Simple/ Advance)	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/configuration
		Simple Configuration
		Request parameters :
		environmentId :
		vRSSmallImportEnvironment1596725174541
		productId : vra
		type : simple
		
		Response code : 200 OK
		Response body :
		{
		"environmentId":
		"vRSSmallImportEnvironment1596725174541",
		"environmentName": "vRS Small Import
		Environment",
		"environmentHealth": null,
		"logHistory": null,
		"environmentStatus": null,
		"infrastructure": {
		"properties": {
		"cluster": "",
		"dns": "",
		"diskMode": "",
		"vCenterHost": "",
		"storage": "",
		"ntp": "",
		"vCenterName": "",
		"network": "",
		"masterVidmEnabled": "",
		"netmask": "",
		"dataCenterVmid": "",
		"vcUsername": "",
		"domain": "",
		"enableTelemetry": "",
		"folderName": "",
		"acceptEULA": "",
		"vcPassword": "",
		"gateway": "",
		"searchpath": "",
		"defaultPassword":
		"locker:password:7e4aaf7c-68ad-4336-b066-
		d85d200e2f7a:Products-Default-Admin-Password",
		"resourcePool": ""
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.0.1",
		"patchHistory": "",
		"snapshotHistory": "",
		"logHistory": "",
		"clusterVIP": null,	

```
      "nodes": [
        {
          "type": "vrava-primary",
          "properties": {
            "hostName": "lcm2-187-32.sqa.local",
            "vmName":
"dgnaneswaran_SS_vrava_prelude_SN",
            "ip": "10.196.187.32"
          }
        }
      ],
      "properties": {
        "__vraTenantList": "[]",
        "licenseRef": "locker:license:9590fc80-
8efb-4ac6-b81c-a179467adc68:CICDSuiteLicense"
      }
    }
  ]
}
```


Advanced Configuration

```
Request parameters :
environmentId :
vRSSmallImportEnvironment1596725174541
productId : vra
type : advanced


Response code : 200 OK
Response body :
```


```
{
  "environmentId":
"vRSSmallImportEnvironment1596725174541",
  "environmentName": "vRS Small Import
Environment",
  "environmentHealth": null,
  "logHistory": null,
  "environmentStatus": null,
  "infrastructure": {
    "properties": {
      "cluster": "",
      "dns": "",
      "diskMode": "",
      "vCenterHost": "",
      "storage": "",
      "ntp": "",
      "vCenterName": "",
      "network": "",
      "masterVidmEnabled": "",
      "netmask": "",
      "dataCenterVmid": "",
      "vcUsername": "",
      "domain": "",
      "enableTelemetry": "",
      "folderName": "",
      "acceptEULA": "",
      "vcPassword": "",
```

```
      "gateway": "",
      "searchpath": "",
      "defaultPassword":
"locker:password:7e4aaf7c-68ad-4336-b066-
d85d200e2f7a:Products-Default-Admin-Password",
      "resourcePool": ""
    }
  },
  "products": [
    {
      "id": "vra",
      "version": "8.0.1",
      "patchHistory": "",
      "snapshotHistory": "",
      "logHistory": "",
      "clusterVIP": null,
      "nodes": [
        {
          "type": "vrava-primary",
          "properties": {
            "hostName": "lcm2-187-32.sqa.local",
            "cluster":
"ESO_HAAS_WDC_VC07#ESO_VC07_Cluster_07",
            "vmName":
"dgnaneswaran_SS_vrava_prelude_SN",
            "ip": "10.196.187.32",
            "dns": "10.141.66.213,10.118.183.252",
            "diskMode": "thin",
            "vCenterHost": "eso-
vc07.eng.vmware.com",
            "storage":
"ESO_VC07_Cluster_07_vsanDatastore01",
            "network": "WDC_HAAS_VM_VLAN1100",
            "contentLibraryItemId": "",
            "netmask": "",
            "vcUsername":
"sampaths.admin@sqa.local",
            "domain": "sqa.local",
            "folderName": "",
            "vcPassword":
"locker:password:b5c0961c-4c40-4c6c-9839-
b63fda94fce5:ESO-VC-Password",
            "gateway": "10.196.187.253",
            "searchpath": "sqa.local",
            "rootPassword":
"locker:password:7e4aaf7c-68ad-4336-b066-
d85d200e2f7a:Products-Default-Admin-Password",
            "resourcePool": ""
          }
        }
      ],
      "properties": {
        "__vraTenantList": "[]",
        "licenseRef": "locker:license:9590fc80-
8efb-4ac6-b81c-a179467adc68:CICDSuiteLicense"
      }
```

		}] }	

Delete Product Data Source	DELETE	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/data-sources
		ciscoucs type
		Request parameters :
		environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
		productId : vrni
		
		Request body :
		"updateDataSourcePasswordRequestDTO"
		{
		"type": "ciscoucs",
		"properties": {
		"dsNickname": "ucs-manager",
		"proxyIP": "10.158.28.208",
		"dsUsername": "ucs_user2",
		"dsPassword": "",
		"dsIp": "10.40.13.40",
		"snmpEnabled": "true"
		}
		}
		Response code : 200 OK
		Response body :
		{
		"requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
		}
		nsxt type
		Request parameters :
		environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
		productId : vrni
		
		Request body :
		"updateDataSourcePasswordRequestDTO"
		{
		"type": "nsxt",
		"properties": {
		"dsNickname": "NSXT",
		"proxyIP": "10.158.28.208",
		"dsUsername": "admin",
		"dsPassword": "",
		"dsNotes": "",
		"dsIp": "10.158.128.28"
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
		}
		nsx type
		Request parameters :
			Here "nodeType" may vary as "switch", "nsx", "nsxt", "vc", "ciscoucs", etc.

environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
productId : vrni

Request body :
"updateDataSourcePasswordRequestDTO"

```
{
    "type": "nsx",
    "properties": {
        "dsNickname": "nsx vc1",
        "proxyIP": "10.158.28.208",
        "dsUsername": "admin",
        "vCenterIp": "lcm-vc1.sqa.local",
        "dsPassword": "",
        "dsIp": "10.196.55.200",
        "dsNotes": ""
    }
}
```

Response code : 200 OK
Response body :

```
{
  "requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
}
```

switch type

Request parameters :
environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
productId : vrni

Request body :
"updateDataSourcePasswordRequestDTO"

```
{
    "type": "switch",
    "properties": {
        "snmpSelected": "",
        "dsNickname": "snmp validation",
        "switchType": "",
        "proxyIP": "10.158.28.208",
        "dsUsername": "admin",
        "dsPassword": "",
        "dsIp": "10.40.13.36",
        "dsNotes": "",
        "snmpEnabled": "true"
    }
}
```

Response code : 200 OK
Response body :

```
{
  "requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
}
```

vc type

		Request parameters :
		environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
		productId : vrni
		
		Request body :
		"updateDataSourcePasswordRequestDTO"
		{
		"type": "vc",
		"properties": {
		"dsNickname": "WDC-LCM-test",
		"proxyIP": "10.158.28.208",
		"dsUsername": "administrator@vsphere.local",
		"dsPassword": "locker:password:b332e059-77d3-4923-8b8a-1010b6326484:Vrslcm1!",
		"dsIp": "wdc-lcm-vc.sqa.local",
		"dsNotes": "",
		"dvSwitchList": ""
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
		}	

Update Product Data Source	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/data-sources
		Request parameters :
		environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
		productId : vrni
		
		Request body :
		"updateDataSourcePasswordRequestDTO"
		{
		"dataSourceIpList": [],
		"newPassword": "",
		"userNameToUpdate": "admin@local",
		"properties": {
		"proxyIP": "10.158.28.208",
		"dsIp": "10.158.128.28",
		"dsUsername": "admin",
		"dsPassword": "locker:password:f1477e9a-5029-4113-a55f-8edd1aacffcf:vrslcm@505",
		"dsNickname": "NSXT",
		"nodeType": "nsxt"
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
		}
			Here "nodeType" may vary as "switch", "nsx", "nsxt", "vc", "ciscoucs", etc.

Pre-Validate Product Data Source	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/data-sources/pre-validate
		Request parameters :
		environmentId : 222e4502-85c1-4b42-8731-7bd59b9af5e6
		productId : vrni
		
		Request body :
		"updateDataSourcePasswordRequestDTO"
		{
		"dataSourceIpList": [],
		"newPassword": "",
		"userNameToUpdate": "admin@local",
		"properties": {
		"proxyIP": "10.158.28.208",
		"dsIp": "10.158.128.28",
		"dsUsername": "admin",
		"dsPassword": "locker:password:f1477e9a-5029-4113-a55f-8edd1aacffcf:vrslcm@505",
		"dsNickname": "NSXT",
		"nodeType": "nsxt"
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "ffe1fc45-b522-4b38-a37f-45115d40d938"
		}
			Here "nodeType" may vary as "switch", "nsx", "nsxt", "vc", "ciscoucs", etc.

Get Deployed Product VMs	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/deployed-vms
		Request parameters :
		environmentId : vRSSmallImportEnvironment1596725174541
		productId : vra
		getWindowsVms : true
		
		Response code : 200 OK
		Response body :
		[
		{
		"hostname": "lcm2-187-32.sqa.local",
		"vmName": "dgnaneswaran_SS_vrava_prelude_SN",
		"vCenterHost": "eso-vc07.eng.vmware.com"
		}
		]
			getWindowsVms can be
			
			either true or false and is optional parameter.
			
			For vSSC product deployed product VMs has tenantId as query parameter
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/deployed-vms?tenantId

Check Product Health	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/health-check
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		productId : vrops
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Trigger Inventory Sync for Product	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/inventory-sync `Request parameter : environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073 productId : vrni Response code : 200 OK Response Body : { "requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c" }`	For vSSC Standalone Inventory syncAPI is /lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/inventory-sync?tenantId tenantId is "Standalone vRASSC"

Update Product Node Password	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/nodes/{nodeType}
		`Request parameters :`
		`environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403`
		`productId : vrops`
		`tenantId : <optional>`
		`nodeType : master`
		
		`Request body : "updateNodePasswordRequestDTO"`
		`{`
		`  "currentPassword": "VMware@45",`
		`  "hostName": "lcm-34-241.sqa.local",`
		`  "newPassword": "vrslcm!",`
		`  "userNameToUpdate": "root"`
		`}`
		
		`Response code : 200 OK`
		`Response body :`
		`{`
		`  "requestId": "da964ae2-81dc-45f0-bbec-a3acb37cc028"`
		`}`
			For vSSC node password update
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/nodes/{{nodeType}}?tenantId
			
			tenantId is "Standalone vRASSC" for vSSC standalone product

Power Off Product	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/power-off
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		productId : vrbc
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Power On Product	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/power-on
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		productId : vrbc
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Get all Product Snapshots	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/snapshots
		Request parameter :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrops
		
		Response code : 200 OK
		Response Body :
		[
		{
		"snapshotGeneratedTime": 1596774385117,
		"snapshotName": "vrops_ - Fri Aug 07 04:24:22 UTC 2020",
		"snapshotWithMemory": true
		},
		{
		"snapshotGeneratedTime": 1596774817746,
		"snapshotName": "snapshot2 - Fri Aug 07 04:31:34 UTC 2020",
		"snapshotWithMemory": true
		}
		]
			For vSSC product Snapshot request has tenantId as query parameter
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/snapshots?tenantId

Create a Product Snapshot request	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/snapshots
		Request parameter :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		tenantId : <optional>
		productId : vrops
		
		Request body :
		{
		"snapshotPrefix": "snapshot2",
		"snapshotWithMemory": true
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId": "a3f77209-0005-44b3-9eb5-ac1a1ba19394"
		}	

Get Product Snaphsot by Name	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/snapshots/{snapshotName}
		Request parameter :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrops
		snapshotName : snapshot2 - Fri Aug 07 04:31:34 UTC 2020
		
		Response code : 200 OK
		Response Body :
		{
		"snapshotGeneratedTime": 1596774817746,
		"snapshotName": "snapshot2 - Fri Aug 07 04:31:34 UTC 2020",
		"snapshotWithMemory": true
		}	

Revert a Product Snapshot	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/snapshots/{snapshotName}/revert
		Request parameter :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrops
		snapshotName : snapshot2 - Fri Aug 07 04:31:34 UTC 2020
		
		Response code : 200 OK
		Response Body :
		{
		"requestId": "2b363f75-1c43-4b7a-af97-27fa76e552fb"
		}	

Create a Product Upgrade request	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/upgrade
		vROPS
		Request Parameters :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrops
		
		Request body :
		{
		"productVersion": "7.6.0",
		"repositoryType": "lcmRepository",
		"repositoryUrl": "/data/nfsPath/vrops800.pak",
		"licenseRef" : null
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRLI
		Request Parameters :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrli
		
		Request body :
		{
		"productVersion": "8.0.0",
		"repositoryType": "lcmRepository",
		"repositoryUrl": "/data/nfsPath/vrli800.pak",
		"licenseRef" : null
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRBC
		Request Parameters :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrbc
		Request body :
		{
		"productVersion": "7.3.0",
		"repositoryType": "lcmRepository",
		"repositoryUrl": "/data/nfsPath/vrbc.pak",
		"licenseRef" : null
		}	

```
Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-
af300ad5086c"
}
```

vRA 8.x

```
Request Parameters :
environmentId : 0de52c3d-676e-4a20-a64e-
ca104c4c3403
productId : vra

Request body :
{
    "productVersion": "8.2.0",
    "repositoryType": "lcmRepository",
    "repositoryUrl": "/data/nfsPath/vra820.pak",
    "licenseRef" : null
  }

Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-
af300ad5086c"
}
```

vIDM

```
Request Parameters :
environmentId : 0de52c3d-676e-4a20-a64e-
ca104c4c3403
productId : vra

Request body :
{
    "productVersion": "3.3.0",
    "repositoryType": "lcmRepository",
    "repositoryUrl": "/data/nfsPath/vra330.pak",
    "licenseRef" : null
  }


Response code : 200 OK
Response Body :
{
        "requestId":"1dac194a-6e1f-4772-a97d-
af300ad5086c"
}
```

		vRNI
		Request Parameters :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		productId : vrni
		
		Request Body :
		{
		"productVersion": "7.6.0",
		"repositoryType": "lcmRepository",
		"repositoryUrl": "/data/nfsPath/vrni600.pak",
		"licenseRef" : null
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Create a Product Vertical Scale Up request	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/vertical-scale-up
		vROPS
		Request parameters :
		environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229
		productId : vrops
		
		Request body :
		{
		"product": {
		"id": "vrops",
		"nodes": [
		{
		"type": "master",
		"properties": {
		"ip": "10.196.57.77",
		"requiredCpuCount": "8",
		"requiredMemory": "8",
		"requiredCapacity": "8",
		"extendedStorage": "vSANDATASTORE",
		"sizingGroup": "large"
		}
		},
		{
		"type": "data",
		"properties": {
		"ip": "10.196.57.86",
		"requiredCpuCount": "8",
		"requiredMemory": "8",
		"requiredCapacity": "8",
		"sizingGroup": "large",
		"extendedStorage": "vSANDATASTORE"
		}
		}
		],
		"properties": {}
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRLI
		Request parameters :
		environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229
		productId : vrli
		
		Request body :	

```
{
  "product": {
      "id": "vrli",
      "nodes": [
          {
              "type": "vrli-master",
              "properties": {
                  "ip": "10.196.57.77",
                  "requiredCpuCount": "8",
                  "requiredMemory": "8",
                  "requiredCapacity": "8",
                  "sizingGroup": "large",
                  "extendedStorage":
"vSANDATASTORE"
              }
          },
          {
              "type": "vrli-worker",
              "properties": {
                  "ip": "10.196.57.86",
                  "requiredCpuCount": "8",
                  "requiredMemory": "8",
                  "requiredCapacity": "8",
                         "sizingGroup": "large",
                  "extendedStorage":
"vSANDATASTORE"
              }
          },
          {
              "type": "vrli-worker",
              "properties": {
                  "ip": "10.196.57.78",
                  "requiredCpuCount": "8",
                  "requiredMemory": "8",
                  "requiredCapacity": "8",
                         "sizingGroup": "large",
                  "extendedStorage":
"vSANDATASTORE"
              }
          }
      ],
      "properties": {}
  }
}
```


Response code : 200 OK
Response body :


```
{
        "requestId":"1dac194a-6e1f-4772-a97d-
af300ad5086c"
}
```


vIDM

Request parameters :
environmentId : globalenvironment
productId : vidm

Request body :


```
{
  "product": {
      "id": "vidm",
      "nodes": [
          {
              "type": "vidm-primary",
              "properties": {
                  "ip": "10.196.57.77",
                  "requiredCpuCount": "8",
                  "requiredMemory": "8",
                  "requiredCapacity": "8",
                  "sizingGroup": "medium",
                  "extendedStorage":
"vSANDATASTORE"
              }
          },
          {
              "type": "vidm-secondary",
              "properties": {
                  "ip": "10.196.57.86",
                  "requiredCpuCount": "8",
                  "requiredMemory": "8",
                  "requiredCapacity": "8",
                  "sizingGroup": "medium",
                  "extendedStorage":
"vSANDATASTORE"
              }
          }
      ],
      "properties": {}
  }
}
```


Response code : 200 OK

Response body :


```
{
        "requestId":"1dac194a-6e1f-4772-a97d-
af300ad5086c"
}
```


vRNI

Request parameters :

environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229

productId : vrni

Request body :

Response code : 200 OK

Response body :


```
{
        "requestId":"1dac194a-6e1f-4772-a97d-
af300ad5086c"
}
```

Pre-Validate Product Vertical Scale Up	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/vertical-scale-up/pre-validate
		vROPS
		Request parameters :
		environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229
		productId : vrops
		
		Request body :
		{
		"product":{
		"id":"vrops",
		"nodes":[
		{
		"type":"master",
		"properties":{
		"ip":"10.196.57.69",
		"sizingGroup":"large",
		"requiredCpuCount":"16",
		"requiredMemory":"48",
		"requiredCapacity":"300",
		"extendedStorage":"ISCSI-15TB-02(1)"
		}
		},
		{
		"type":"remotecollector",
		"properties":{
		"ip":"10.196.57.73",
		"sizingGroup":"smallrc",
		"requiredCpuCount":"16",
		"requiredMemory":"48",
		"requiredCapacity":"300",
		"extendedStorage":"ISCSI-15TB-02(1)"
		}
		}
		],
		"properties":{
		
		}
		}
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "09bdd493-a22f-47c7-b9eb-7ead2a3f8116"
		}
		vRLI
		Request parameters :
		environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229
		productId : vrli	

Request body :


```
{
   "product":{
      "id":"vrli",
      "nodes":[
         {
            "type":"master",
            "properties":{
               "ip":"10.196.57.69",
               "sizingGroup":"large",
               "requiredCpuCount":"16",
               "requiredMemory":"48",
               "requiredCapacity":"300",
               "extendedStorage":"ISCSI-15TB-02
(1)"
            }
         },
         {
            "type":"worker",
            "properties":{
               "ip":"10.196.57.73",
               "sizingGroup":"large",
               "requiredCpuCount":"16",
               "requiredMemory":"48",
               "requiredCapacity":"300",
               "extendedStorage":"ISCSI-15TB-02
(1)"
            }
         }
      ],
      "properties":{

      }
   }
}
```


Response code : 200 OK

Response body :


```
{
   "requestId": "09bdd493-a22f-47c7-b9eb-
7ead2a3f8116"
}
```


vRNI

Request parameters :

environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229

productId : vrni

Request body :


```
{
   "product":{
      "id":"vrni",
      "nodes":[
         {
            "type":"vrni-platform",
```

```
            "properties":{
               "ip":"10.196.57.69",
               "sizingGroup":"large",
               "requiredCpuCount":"16",
               "requiredMemory":"48",
               "requiredCapacity":"300",
               "extendedStorage":"ISCSI-15TB-02
(1)"
            }
         },
         {
            "type":"vrni-collector",
            "properties":{
               "ip":"10.196.57.73",
               "sizingGroup":"smallrc",
               "requiredCpuCount":"16",
               "requiredMemory":"48",
               "requiredCapacity":"300",
               "extendedStorage":"ISCSI-15TB-02
(1)"
            }
         }
      ],
      "properties":{

      }
   }
}
```


Response code : 200 OK
Response body :


```
{
   "requestId": "09bdd493-a22f-47c7-b9eb-
7ead2a3f8116"
}
```


vIDM

Request parameters :
environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229
productId : vidm

Request body :


```
{
   "product":{
      "id":"vidm",
      "nodes":[
         {
            "type":"primary",
            "properties":{
               "ip":"10.196.57.69",
               "sizingGroup":"large",
               "requiredCpuCount":"16",
               "requiredMemory":"48",
               "requiredCapacity":"300",
               "extendedStorage":"ISCSI-15TB-02
(1)"
```

```
            }
         },
         {
            "type":"secondary",
            "properties":{
               "ip":"10.196.57.73",
               "sizingGroup":"smallrc",
               "requiredCpuCount":"16",
               "requiredMemory":"48",
               "requiredCapacity":"300",
               "extendedStorage":"ISCSI-15TB-02
(1)"
            }
         }
      ],
      "properties":{

      }
   }
}

Response code : 200 OK
Response body :
{
   "requestId": "09bdd493-a22f-47c7-b9eb-
7ead2a3f8116"
}
```

Get Interops Matrix for a Product	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/versions/{version}/interops
		Request parameters :
		environmentId : b72923d6-9af8-4b6a-b23c-1fed1fd18229
		productId : vrops
		version : 8.1.1
		
		Response body :
		[
		  {
		  "releaseId": 2136,
		  "major": 6,
		  "medium": 0,
		  "minor": 0,
		  "update": "3",
		  "productId": 2,
		  "productName": "VMware vCenter Server",
		  "version": "6.0.0 U3",
		  "compatible": "true",
		  "installedVersion": false,
		  "newVersion": false
		  },
		  {
		  "releaseId": 2332,
		  "major": 6,
		  "medium": 5,
		  "minor": 0,
		  "update": "1",
		  "productId": 2,
		  "productName": "VMware vCenter Server",
		  "version": "6.5.0 U1",
		  "compatible": "true",
		  "installedVersion": false,
		  "newVersion": false
		  },
		  {
		  "releaseId": 2433,
		  "major": 7,
		  "medium": 4,
		  "minor": 0,
		  "update": "0",
		  "productId": 114,
		  "productName": "VMware vRealize Automation",
		  "version": "7.4.0",
		  "compatible": "true",
		  "installedVersion": false,
		  "newVersion": false
		  },
		  {
		  "releaseId": 2508,
		  "major": 6,
		  "medium": 6,
		  "minor": 1,
		  "update": "0",	

```
    "productId": 100,
    "productName": "VMware vSAN™",
    "version": "6.6.1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2586,
    "major": 6,
    "medium": 7,
    "minor": 0,
    "update": "0",
    "productId": 100,
    "productName": "VMware vSAN™",
    "version": "6.7.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2705,
    "major": 7,
    "medium": 3,
    "minor": 1,
    "update": "0",
    "productId": 114,
    "productName": "VMware vRealize Automation",
    "version": "7.3.1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2732,
    "major": 6,
    "medium": 5,
    "minor": 0,
    "update": "2",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.5.0 U2",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2736,
    "major": 6,
    "medium": 7,
    "minor": 0,
    "update": "0",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.7.0",
    "compatible": "true",
```

```
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2751,
    "major": 6,
    "medium": 6,
    "minor": 1,
    "update": "2",
    "productId": 100,
    "productName": "VMware vSAN™",
    "version": "6.6.1 U2",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2814,
    "major": 7,
    "medium": 5,
    "minor": 0,
    "update": "0",
    "productId": 114,
    "productName": "VMware vRealize Automation",
    "version": "7.5.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2818,
    "major": 6,
    "medium": 7,
    "minor": 0,
    "update": "1",
    "productId": 100,
    "productName": "VMware vSAN™",
    "version": "6.7.0 U1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 2862,
    "major": 6,
    "medium": 7,
    "minor": 0,
    "update": "1",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.7.0 U1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
```

```
    "releaseId": 2928,
    "major": 8,
    "medium": 2,
    "minor": 0,
    "update": "0",
    "productId": 7,
    "productName": "VMware Site Recovery Manager",
    "version": "8.2.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3010,
    "major": 6,
    "medium": 4,
    "minor": 4,
    "update": "0",
    "productId": 93,
    "productName": "VMware NSX for vSphere",
    "version": "6.4.4",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3222,
    "major": 6,
    "medium": 7,
    "minor": 0,
    "update": "2",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.7.0 U2",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3225,
    "major": 6,
    "medium": 4,
    "minor": 5,
    "update": "0",
    "productId": 93,
    "productName": "VMware NSX for vSphere",
    "version": "6.4.5",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3286,
    "major": 6,
    "medium": 7,
    "minor": 0,
```

```
    "update": "2",
    "productId": 100,
    "productName": "VMware vSAN™",
    "version": "6.7.0 U2",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3291,
    "major": 7,
    "medium": 6,
    "minor": 0,
    "update": "0",
    "productId": 114,
    "productName": "VMware vRealize Automation",
    "version": "7.6.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3331,
    "major": 8,
    "medium": 0,
    "minor": 0,
    "update": "0",
    "productId": 114,
    "productName": "VMware vRealize Automation",
    "version": "8.0.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3364,
    "major": 6,
    "medium": 5,
    "minor": 0,
    "update": "3",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.5.0 U3",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3457,
    "major": 6,
    "medium": 7,
    "minor": 0,
    "update": "3",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.7.0 U3",
```

```
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3496,
    "major": 7,
    "medium": 0,
    "minor": 0,
    "update": "0",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "7.0.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3608,
    "major": 6,
    "medium": 4,
    "minor": 6,
    "update": "0",
    "productId": 93,
    "productName": "VMware NSX for vSphere",
    "version": "6.4.6",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3700,
    "major": 3,
    "medium": 3,
    "minor": 1,
    "update": "0",
    "productId": 140,
    "productName": "VMware Identity Manager",
    "version": "3.3.1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 3852,
    "major": 8,
    "medium": 1,
    "minor": 0,
    "update": "0",
    "productId": 88,
    "productName": "VMware vRealize Log Insight",
    "version": "8.1.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
```

```
{
  "releaseId": 3917,
  "major": 8,
  "medium": 0,
  "minor": 1,
  "update": "0",
  "productId": 114,
  "productName": "VMware vRealize Automation",
  "version": "8.0.1",
  "compatible": "true",
  "installedVersion": false,
  "newVersion": false
},
{
  "releaseId": 3968,
  "major": 8,
  "medium": 1,
  "minor": 0,
  "update": "0",
  "productId": 114,
  "productName": "VMware vRealize Automation",
  "version": "8.1.0",
  "compatible": "true",
  "installedVersion": false,
  "newVersion": false
},
{
  "releaseId": 3974,
  "major": 5,
  "medium": 2,
  "minor": 0,
  "update": "0",
  "productId": 285,
  "productName": "vRealize Network Insight",
  "version": "5.2.0",
  "compatible": "true",
  "installedVersion": false,
  "newVersion": false
},
{
  "releaseId": 4060,
  "major": 3,
  "medium": 3,
  "minor": 2,
  "update": "0",
  "productId": 140,
  "productName": "VMware Identity Manager",
  "version": "3.3.2",
  "compatible": "true",
  "installedVersion": false,
  "newVersion": false
},
{
  "releaseId": 4169,
  "major": 5,
  "medium": 3,
```

```
    "minor": 0,
    "update": "0",
    "productId": 285,
    "productName": "vRealize Network Insight",
    "version": "5.3.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 4221,
    "major": 8,
    "medium": 1,
    "minor": 1,
    "update": "0",
    "productId": 88,
    "productName": "VMware vRealize Log Insight",
    "version": "8.1.1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 4264,
    "major": 8,
    "medium": 2,
    "minor": 0,
    "update": "0",
    "productId": 88,
    "productName": "VMware vRealize Log Insight",
    "version": "8.2.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 4276,
    "major": 7,
    "medium": 0,
    "minor": 0,
    "update": "1",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "7.0.0 U1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 431,
    "major": 6,
    "medium": 0,
    "minor": 0,
    "update": "0",
    "productId": 2,
    "productName": "VMware vCenter Server",
```

```
    "version": "6.0.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 4692,
    "major": 8,
    "medium": 2,
    "minor": 0,
    "update": "0",
    "productId": 114,
    "productName": "VMware vRealize Automation",
    "version": "8.2.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 4733,
    "major": 6,
    "medium": 0,
    "minor": 0,
    "update": "0",
    "productId": 285,
    "productName": "vRealize Network Insight",
    "version": "6.0.0",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 695,
    "major": 6,
    "medium": 0,
    "minor": 0,
    "update": "1",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.0.0 U1",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
  },
  {
    "releaseId": 998,
    "major": 6,
    "medium": 0,
    "minor": 0,
    "update": "2",
    "productId": 2,
    "productName": "VMware vCenter Server",
    "version": "6.0.0 U2",
    "compatible": "true",
    "installedVersion": false,
    "newVersion": false
```

		<pre> }]</pre>	

GET product certificate	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/certificates { "vmid": "838bbaf1-593b-47e5-b500-8546740ec94b", "alias": "Wildcard-2048", "key": "PRIVATE KEY****", "certChain": "-----BEGIN CERTIFICATE----- \nMIID1jCCAr6gAwIBAgIGAXOeYcfiMA0GCSqGSIb3DQEBCwUA MFMxMzAxBgNVBAMM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNs ZSBNYW5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YXJl MQswCQYDVQQGEwJJTjAeFw0yMDA3MzAwNjIxMTVaFw0yMjA3\n MzAwNjIxMTVaMGcxFzAVBgNVBAMMDnNxYS5sb2NhbC0yMDQ4MQ 0wCwYDVQQLDARj\nbWJ1MQ8wDQYDVQQKDAZ2bXdhcmUxEjAQBg NVBAcMCUJhbmdhbG9yZTELMAkGA1UE\nCAwCS0ExCzAJBgNVBA YTAklOMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKC\nAQ EAqYs6HXqRR0/AeV9xQPCtxFqhZOo0b7AVNba+rngGHGFnYh6F jSXgkcfs61xf\nP/fv4UNAUJXxLlfy1WYuWayY3bA1VcwZhqzT dy9oXaiJQv3q440cx4Ourat1p9cj\nRIHa9ty2E7OiHYhl68Vq 6ZQ8ESQPduczVhlD82D+ZlYZ88pjpUcQMsoFtEyi+Hjl\nVt5C ScxdKg6wXxpLQjP8i9al07PSA9Dwy9ujLWoEe5meHLY+IUazVW uK/Ra+SN6I\nO5sWDW1uFJUwrD8umn6Ex/Y4SHFYvt6WXRemnk dSg/T/0CPPQaoCB9DgcvKW1U6j\ncC9yehli6as5h9oW/ZP70A rvhQIDAQABo4GbMIGYMB0GA1UdDgQWBBSBtgl0VpEJ\nncmry3 /hDaqEua64gDAfBgNVHSMEGDAWgBQRSHSojxwxZyLE5iLiMBeo 1AT8NTAW\nBgNVHREEDzANggsqLnNxYS5sb2NhbDAOBgNVHQ8B Af8EBAMCBaAwIAYDVR0lAQH/\nBBYwFAYIKwYBBQUHAwIGCCsG AQUFBwMBMAwGA1UdEwEB/wQCMAAwDQYJKoZIhvcN\nAQELBQAD ggEBAFyMOB2M4s6FFQ+m67LiEBBkU2x6pl3FQ2SY9jz+0IiZrZ i2e4EB\nkRFw5lSRIEEq4PXwsqwrnq/jfEZo/BGtkZXtrLTEHh oau2iVbgWUz9BHcLw7Ld5n\n7ul+WWiy8Kab07RGJ8jb0VuX2S wnQtcUpIP7Vh+RON4kn1AJGK2CtdoxqOGQjpw9\nOqiEEQI1SU HNtnPlAKYvfaURdf4La3C3NAEkL37Xl72TVjp/AB9nVffiUpCV NY3W\njsZHxVBgm+S2zTa2yS2qN/Ru6WcfFkaUws7yx5JGAjsz R3PcU/zkBlD7FexKSRd7\ngigsnMbg/OVta5I++KLweWJVUsat F5OIWm4=\n-----END CERTIFICATE-----\n-----BEGIN CERTIFICATE----- \nMIIDiTCCAnGgAwIBAgIGAXOeP/HIMA0GCSqGSIb3DQEBCwUA MFMxMzAxBgNVBAMM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNs ZSBNYW5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YXJl MQswCQYDVQQGEwJJTjAeFw0yMDA3MzAwNTQ0MTdaFw0zMDA3\n MjgwNTQ0MTdaMFMxMzAxBgNVBAMMKnZSZWFsaXplIFN1aXRlIE xpZmVjeWNsZSBN\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1UECg wGVk13YXJlMQswCQYDVQQGEwJJTjCC\nASIwDQYJKoZIhvcNAQ EBBQADggEPADCCAQoCggEBALPWOaqWBntZMDsT6pBwuoRK\neV g1LSnRmsX3wU/WLxC4mkurwNjsQ89N/vh/AthXKmpDWzqlMzYa nTVCiPH4Cq9p\nVw5baUSNjMVf2IKjDwO+xTZTLqXOJiT2cJ/p /1izNWrlRTWxKeZZQnvkb0n6QgAz\nT2NW6TY9+fmScWdFt1JQ r7YBQYzLji8io85JKCyj6in6oRZeSOrZaHOuRJhmG/5k\nixgB o04ZMeA46UDQfwwbJ5yxPw2Ews+66d5RzctrBHvNxkiemVj2jB jzzKtapWLH\n7VlGbMUGSzJ+fH7e9dZxk3nQiUgMlskP9NI2c/ tHLxI0QKlGp2fqaD6IOZjI/6sC\nAwEAAaNjMGEwHQYDVR0OBB YEFBFIdKiPHDFnIsTmIuIwF6jUBPw1MB8GA1UdIwQY\nMBaAFB FIdKiPHDFnIsTmIuIwF6jUBPw1MA8GA1UdEwEB/wQFMAMBAf8w DgYDVR0P\nAQH/BAQDAgGGMA0GCSqGSIb3DQEBCwUAA4IBAQBW R+6gJA+Z1eqTEATf3M/QWeR/\n4hwKJff8WtGYBERrkdWORoqN	

```
XdGgo8SW1AUptNeBvfAg59V+FfMv96BxRTWCNtm0\nNdwprbpV
/72dj10V2CgKs4aHvi8xsyi4Xv3eB/HiOP4DJEBQD4bWxixHZz
PG8i5p\nAn3scamnvpYll5e9V3cBielSZt6MwDleS/Ho3KTgPl
z9SDXW+UGITn25S/GOedfb\nF8fS0ZRYN4xKNABVxeje6H8B6y
TjSgbFm3YGcOOAdGxutQaRvyDYXBmD2mDoJam6\nKt/hkjyEQ4
aJlbLG+G+lQhW+f/BfsD0ScM6ZrhDDH6IaiAetM7zrxYdPODIR
\n-----END CERTIFICATE-----\n",
  "leafCert": "-----BEGIN CERTIFICATE-----
\nMIID1jCCAr6gAwIBAgIGAXOeYcfiMA0GCSqGSIb3DQEBCwUA
MFMxMzAxBgNVBAMM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNs
ZSBNYW5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YXJl
MQswCQYDVQQGEwJJTjAeFw0yMDA3MzAwNjIxMTVaFw0yMjA3\n
MzAwNjIxMTVaMGcxFzAVBgNVBAMMDnNxYS5sb2NhbC0yMDQ4MQ
0wCwYDVQQLDARj\nbWJ1MQ8wDQYDVQQKDAZ2bXdhcmUxEjAQBg
NVBAcMCUJhbmdhbG9yZTELMAkGA1UE\nCAwCS0ExCzAJBgNVBA
YTAklOMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKC\nAQ
EAqYs6HXqRR0/AeV9xQPCtxFqhZOo0b7AVNba+rngGHGFnYh6F
jSXgkcfs61xf\nP/fv4UNAUJXxLlfy1WYuWayY3bA1VcwZhqzT
dy9oXaiJQv3q440cx4Ourat1p9cj\nRIHa9ty2E7OiHYhl68Vq
6ZQ8ESQPduczVhlD82D+ZlYZ88pjpUcQMsoFtEyi+Hjl\nVt5C
ScxdKg6wXxpLQjP8i9al07PSA9Dwy9ujLWoEe5meHLY+IUazVW
uK/Ra+SN6I\nO5sWDW1uFJUwrD8umn6Ex/Y4SHFYvt6WXRemnk
dSg/T/0CPPQaoCB9DgcvKW1U6j\ncC9yehli6as5h9oW/ZP70A
rvhQIDAQABo4GbMIGYMB0GA1UdDgQWBBSBtgl0VpEJ\nncmry3
/hDaqEua64gDAfBgNVHSMEGDAWgBQRSHSojxwxZyLE5iLiMBeo
1AT8NTAW\nBgNVHREEDzANggsqLnNxYS5sb2NhbDAOBgNVHQ8B
Af8EBAMCBaAwIAYDVR0lAQH/\nBBYwFAYIKwYBBQUHAwIGCCsG
AQUFBwMBMAwGA1UdEwEB/wQCMAAwDQYJKoZIhvcN\nAQELBQAD
ggEBAFyMOB2M4s6FFQ+m67LiEBBkU2x6pl3FQ2SY9jz+0IiZrZ
i2e4EB\nkRFw5lSRIEEq4PXwsqwrnq/jfEZo/BGtkZXtrLTEHh
oau2iVbgWUz9BHcLw7Ld5n\n7ul+WWiy8Kab07RGJ8jb0VuX2S
wnQtcUpIP7Vh+RON4kn1AJGK2CtdoxqOGQjpw9\nOqiEEQI1SU
HNtnPlAKYvfaURdf4La3C3NAEkL37Xl72TVjp/AB9nVffiUpCV
NY3W\njsZHxVBgm+S2zTa2yS2qN/Ru6WcfFkaUws7yx5JGAjsz
R3PcU/zkBlD7FexKSRd7\ngigsnMbg/OVta5I++KLweWJVUsat
F5OIWm4=\n-----END CERTIFICATE-----\n",
  "validations": [],
  "validity": {
    "period": "1 year, 3 months and 20 days",
    "expiresOn": "2022-07-30T06:21:15.000+0000",
    "issuedOn": "2020-07-30T06:21:15.000+0000",
    "healthy": true
  },
  "certInfo": {
    "subject": "C=IN, ST=KA, L=Bangalore,
O=vmware, OU=cmbu, CN=sqa.local-2048",
    "issuer": "C=IN, O=VMware, CN=vRealize Suite
Lifecycle Manager Locker CA",
    "san": "DNS: *.sqa.local",
    "algorithm": "SHA256WITHRSA",
    "keyAlgorithm": "RSA",
    "keyLength": 2048,
    "sha256":
"4b1ccd63fe7f3f7991e859df1aa7997ccf94466aefdced60f
78dc5c5312a4994",
```

		"sha1": "fb3c53a2d4a5049d2e2ff8bf723f9d69d53e742f" } }	

Update Product Certificate	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/certificates/{certificateId}
		Response
		
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			For vSSC product update certificate API has tenantId as query parameter
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/certificates/{{certificateId}}?tenantId

Pre-validate Product Certificate Update	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/certificates/{certificateId}/pre-validate
		Response
		
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			For vSSC productPre-validate Product Certificate Update has tenantId as query parameter
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/certificates/{{certificateId}}/pre-validate?tenantId

Get downloaded Product Patch details by ID	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/patches/{patchId}
		{
		"extract": true,
		"metadataId": "vrlcm-vra-8.2.0-8.2.0.13070",
		"metadataVersion": 1,
		"patchBundleCreationDate": 1604913916957,
		"patchCounter": 2,
		"patchDownloadStatus": "DOWNLOADED",
		"patchFileName": "vrlcm-vra-8.2.0-8.2.0.13070.patch",
		"patchId": "600be72d-d367-4ec6-97df-7653g35a8839",
		"patchInfo": {
		"additionaInfo": {},
		"category": "bugfix",
		"description": "vRSLCM wrapped vRealize Automation, version 8.2.0.13070 Patch1",
		"eulaFile": "string",
		"kbUrl": "https://kb.vmware.com/kb/1234",
		"name": "vRealize Automation, version 8.2.0.13070",
		"releaseDate": 1604913174412,
		"releaseType": "patch",
		"summary": "vRSLCM wrapped vRealize Automation, version 8.2.0.13070 Patch1",
		"urgency": "critical"
		},
		"patchRunningCounter": 1,
		"patchSha256sum": "77ddcbf07c1400ec40579aafb20847c95a145054d55d677292546f8a3570ec78",
		"patchSize": 6010020858,
		"patchStatus": "ACTIVE",
		"payload": {
		"patchPayloadFilename": "Prelude_VA-8.2.0.13070-17018655-updaterepo.iso",
		"patchPayloadSize": 107257098,
		"patchPayloadUri": "string",
		"productMinorLevel": "8.2.0.13070",
		"productPatchLevel": "HF1",
		"sha256sum": "e2e884007h8f6d404a2e85d25b40abb268599cd3c4f558344a7d6b78d2240b02"
		},
		"product": {
		"additionaInfo": {},
		"productBuild": "<product build number>",
		"productId": "vra",
		"productName": "vRealize Automation",
		"productPatchBuild": "<product patch build number>",
		"productVersion": "8.2.0",
		"supportedVersions": [
		"8.2.0"	

		] }, "selfPatch": false }	

Apply Product Patch	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/patches/{patchId}
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Validate Product Patch request	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/patches/{patchId}/pre-validate
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Get Interops Matrix for a Product	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/versions/{version}/interops []	

Log Bundle Operation APIs

What are log bundles?

These are support bundles which have collective dignostic information of vRSLCM System.

When to generate?

These can be generated for Environment or Products if any issues occured w.r.t. any operation services such as- deployments, upgrades, patching or any other life cycle operations.

Prerequisites :

User should be on v8.4 of vRSLCM

Below steps are followed -

Name	HTTP Method	Endpoint	Description

Generate Environment log bundle	POST	/lcm/lcops/api/v2/environments/{environmentId}/log-bundles
		`Request Parameters :`
		`environmentId : dc302831-8232-4820-9479-6921edb86cf7`
		
		`Response code : 200 OK`
		`Response body :`
		`{`
		`  "requestId": "4388a82c-fb13-488e-ac32-dc5abac4abec"`
		`}`	

Get all Environment log bundle	GET	/lcm/lcops/api/v2/environments/{environmentId}/log-bundles
		Request Parameters :
		environmentId : dc302831-8232-4820-9479-6921edb86cf7
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "logGeneratedTime": 1607335811069,
		  "logLocation": "https://lcm-15-96.eng.vmware.com/repo/logBundleRepo/environment/dc302831-8232-4820-9479-6921edb86cf7/log-dc302831-8232-4820-9479-6921edb86cf7-1607335811069.tar.gz"
		  },
		  {
		  "logGeneratedTime": 1607335868688,
		  "logLocation": "https://lcm-15-96.eng.vmware.com/repo/logBundleRepo/environment/dc302831-8232-4820-9479-6921edb86cf7/log-dc302831-8232-4820-9479-6921edb86cf7-1607335868688.tar.gz"
		  }
		]	

Generate Product log bundle	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/log-bundles
		Request Parameters :
		environmentId : dc302831-8232-4820-9479-6921edb86cf7
		productId : vrops
		
		Response code : 200 OK
		Response body :
		{
		  "requestId": "4388a82c-fb13-488e-ac32-dc5abac4abec"
		}
			For vSSC product logbundle , api has tenantId as query parameter
			
			/lcm/lcops/api/v2/environments/{{environmentId}}/products/{{productId}}/log-bundles?tenantId

Get all Product log bundles	GET	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/log-bundles
		Request Parameters :
		environmentId : dc302831-8232-4820-9479-6921edb86cf7
		productId : vrops
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "logGeneratedTime": 1607335505248,
		  "logLocation": "https://lcm-15-96.eng.vmware.com/repo/logBundleRepo/environment/dc302831-8232-4820-9479-6921edb86cf7/vrops/log-dc302831-8232-4820-9479-6921edb86cf7-1607335505248.tar.gz"
		  }
		]	

Delete Product log bundles from vRSLCM	DELETE	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/log-bundles
		Request Parameters :
		environmentId : ab2bdf65-224f-4e7c-b6f4-275f077657e0
		logBundlePaths: ["https://lcm-15-96.eng.vmware.com/repo/logBundleRepo/environment/ab2bdf65-224f-4e7c-b6f4-275f077657e0/vssc/StandalonevRASSC/log-ab2bdf65-224f-4e7c-b6f4-275f077657e0-1632210260478.tar.gz"]
		productId : vssc
		tenantId : tenant-1
		
		Response code : 200 OK
		Response body :
		{
		  "requestId": "4388a82c-fb13-488e-ac32-dc5abac4abec"
		}
			For vSSC product, API has tenantId as query parameter.
			
			If productId is blank, then environment level logs will be checked to clean up from vRSLCM.
			
			Get logBundlePaths value using "Get all Product log bundles" API

Product Patch Operation APIs

Name	HTTP Method	Endpoint	Description

Check Patches online	POST	/lcm/lcops/api/v2/settings/patch-binaries
		`Response code : 200 OK`
		`Response body :`
		`{`
		`  "requestId": "4c574702-7fd9-4d1b-bb2a-ef8da2a5d371"`
		`}`	

Get all Patch binaries	GET	/lcm/lcops/api/v2/settings/patch-binaries
		Response code : 200 OK
		Response body :
		[
		  {
		  "patchInfo": {
		  "name": "vRealize Automation, version 7.5.0 - HF20",
		  "summary": "vRSLCM wrapped vRealize Automation, version 7.5.0 - HF20 Patch",
		  "description": "vRSLCM wrapped vRealize Automation, version 7.5.0 - HF20 Patch",
		  "kbUrl": "https://kb.vmware.com/s/article/60310",
		  "eulaFile": null,
		  "category": "bugfix",
		  "urgency": "critical",
		  "releaseType": "patch",
		  "releaseDate": 1597145483230,
		  "additionaInfo": {}
		  },
		  "metadataId": "vrlcm-vra-7.5.0-HF20",
		  "metadataVersion": "1",
		  "patchId": "406d5db9-ef98-404f-8fc6-c43c22027ebe",
		  "patchBundleCreationDate": 1597145699473,
		  "selfPatch": false,
		  "product": {
		  "productId": "vra",
		  "productName": "vRealize Automation",
		  "productVersion": "7.5.0",
		  "supportedVersions": [
		  "7.5.0"
		  ],
		  "productBuild": null,
		  "productPatchBuild": null,
		  "additionaInfo": {}
		  },
		  "payload": {
		  "productPatchLevel": "HF20",
		  "patchPayloadFilename": "vRA-7.5.0-16686939-HF20.patch",
		  "patchPayloadUri": null,
		  "patchPayloadSize": 5909299585,
		  "sha256sum": "004e341ed5ef48bb8fc179bd0e00e91054024f8e8f672ae5fc52948f641b3388",
		  "productMinorLevel": null
		  },
		  "patchFileName": "vrlcm-vra-7.5.0-HF20.patch",
		  "patchSize": 6073307467,
		  "patchSha256sum": "ab7f25d87ea3f8ffc36f13bc131554b04e97c05a85cbc79a13bb177d19a92fc0",
		  "patchRunningCounter": 1,
		  "patchStatus": "ACTIVE",	

```
    "patchDownloadStatus": "NOTAVAILABLE",
    "extract": false,
    "patchCounter": "20"
  },
  {
    "patchInfo": {
      "name": "vRealize Automation, version 7.5.0 -
HF21",
      "summary": "vRSLCM wrapped vRealize
Automation, version 7.5.0 - HF21 Patch",
      "description": "vRSLCM wrapped vRealize
Automation, version 7.5.0 - HF21 Patch",
      "kbUrl":
"https://kb.vmware.com/s/article/60310",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1600176762011,
      "additionaInfo": {}
    },
    "metadataId": "vrlcm-vra-7.5.0-HF21",
    "metadataVersion": "1",
    "patchId": "7e46da9b-81bf-4205-bf8d-
5a5b150dfc5b",
    "patchBundleCreationDate": 1600177110065,
    "selfPatch": false,
    "product": {
      "productId": "vra",
      "productName": "vRealize Automation",
      "productVersion": "7.5.0",
      "supportedVersions": [
        "7.5.0"
      ],
      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
    },
    "payload": {
      "productPatchLevel": "HF21",
      "patchPayloadFilename": "vRA-7.5.0-16877598-
HF21.patch",
      "patchPayloadUri": null,
      "patchPayloadSize": 5909902828,
      "sha256sum":
"a2cfb82d72072c8beae5c5fb9c563c79a46dccfa90b342dff0
99f1d0eeaa7f09",
      "productMinorLevel": null
    },
    "patchFileName": "vrlcm-vra-7.5.0-HF21.patch",
    "patchSize": 6073923084,
    "patchSha256sum":
"9fed5f30f7c2967b0cdaac3b914a49b3aaec6520c4ef422b90
cd570a3f9794e5",
    "patchRunningCounter": 2,
    "patchStatus": "ACTIVE",
```

```
    "patchDownloadStatus": "NOTAVAILABLE",
    "extract": false,
    "patchCounter": "21"
  },
  {
    "patchInfo": {
      "name": "vRealize Automation, version 7.6.0 -
HF17",
      "summary": "vRSLCM wrapped vRealize
Automation, version 7.6.0 - HF17 Patch",
      "description": "vRSLCM wrapped vRealize
Automation, version 7.6.0 - HF17 Patch",
      "kbUrl": "https://kb.vmware.com/kb/70911",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1604041063723,
      "additionaInfo": {}
    },
    "metadataId": "vrlcm-vra-7.6.0-HF17",
    "metadataVersion": "1",
    "patchId": "54533a9d-35d7-472f-bec4-
e1ca028133ff",
    "patchBundleCreationDate": 1604041595586,
    "selfPatch": false,
    "product": {
      "productId": "vra",
      "productName": "vRealize Automation",
      "productVersion": "7.6.0",
      "supportedVersions": [
        "7.6.0"
      ],
      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
    },
    "payload": {
      "productPatchLevel": "HF17",
      "patchPayloadFilename": "vRA-7.6.0-17090490-
HF17.patch",
      "patchPayloadUri": null,
      "patchPayloadSize": 4752713362,
      "sha256sum":
"5913fdf75228b7b47956fa0c2384a8d08f7efa3b400babd80d
214c0e3d2babff",
      "productMinorLevel": null
    },
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    "patchSize": 4884525409,
    "patchSha256sum":
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ed840680354b2d",
    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
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    "extract": false,
    "patchCounter": "17"
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  {
    "patchInfo": {
      "name": "vRealize Automation, version 7.6.0 -
HF18",
      "summary": "vRSLCM wrapped vRealize
Automation, version 7.6.0 - HF18 Patch",
      "description": "vRSLCM wrapped vRealize
Automation, version 7.6.0 - HF18 Patch",
      "kbUrl": "https://kb.vmware.com/kb/70911",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1605349538457,
      "additionaInfo": {}
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    "patchBundleCreationDate": 1605349783181,
    "selfPatch": false,
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      "productVersion": "7.6.0",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
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      "patchPayloadFilename": "vRA-7.6.0-17151352-
HF18.patch",
      "patchPayloadUri": null,
      "patchPayloadSize": 5078654421,
      "sha256sum":
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      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-7.6.0-HF18.patch",
    "patchSize": 5219517149,
    "patchSha256sum":
"3c8390675b6c25fa6520f8ad81a265f62be354c20ef5edad4f
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    "patchRunningCounter": 2,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
    "extract": false,
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    "patchCounter": "18"
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  {
    "patchInfo": {
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8.0.1.7526",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.0.1.7526 Patch4",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.0.1.7526 Patch4",
      "kbUrl":
"https://kb.vmware.com/s/article/76805",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1590039695062,
      "additionaInfo": {}
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    "metadataVersion": "1",
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    "patchBundleCreationDate": 1590039921132,
    "selfPatch": false,
    "product": {
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      "productName": "vRealize Automation",
      "productVersion": "8.0.1",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
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      "patchPayloadFilename": "Prelude_VA-
8.0.1.7526-16240994-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 4515411968,
      "sha256sum":
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      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-8.0.1-
8.0.1.7526.patch",
    "patchSize": 4408804705,
    "patchSha256sum":
"42e98267614f5f559ca760a5b968d20787dd6d47d250b160cc
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    "patchRunningCounter": 1,
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    "patchDownloadStatus": "NOTAVAILABLE",
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    "patchCounter": "4"
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8.0.1.7553",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.0.1.7553 Patch5",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.0.1.7553 Patch5",
      "kbUrl": "https://kb.vmware.com/kb/76805",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1593425475295,
      "additionaInfo": {}
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    "metadataId": "vrlcm-vra-8.0.1-8.0.1.7553",
    "metadataVersion": "1",
    "patchId": "dd55fc43-7603-403f-b994-
ff71067ce9d5",
    "patchBundleCreationDate": 1593425775477,
    "selfPatch": false,
    "product": {
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      "productName": "vRealize Automation",
      "productVersion": "8.0.1",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
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    "payload": {
      "productPatchLevel": "8.0.1.7553",
      "patchPayloadFilename": "Prelude_VA-
8.0.1.7553-16469358-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 4539801600,
      "sha256sum":
"5c892757233fe1f2b3f7e971f58d48989d9b598de40dfbb7ad
736a4a6e52106f",
      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-8.0.1-
8.0.1.7553.patch",
    "patchSize": 4433813102,
    "patchSha256sum":
"6e4b88b39f90e7f0ecfc9b9d5b8e894e47219ee8002cadee9e
2851eb5486901a",
    "patchRunningCounter": 2,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
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8.1.0.9465",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.1.0.9465 Patch1",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.1.0.9465 Patch1",
      "kbUrl": "https://kb.vmware.com/kb/79170",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1592395447924,
      "additionaInfo": {}
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    "metadataVersion": "1",
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    "patchBundleCreationDate": 1592395674603,
    "selfPatch": false,
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      "productName": "vRealize Automation",
      "productVersion": "8.1.0",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
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    "payload": {
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      "patchPayloadFilename": "Prelude_VA-
8.1.0.9465-16413777-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 6035322880,
      "sha256sum":
"61ca8aa6a4bccd4c3f49dfd0632e89b624cff71184ac2fd0df
383b4efbe6b157",
      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-8.1.0-
8.1.0.9465.patch",
    "patchSize": 5969014563,
    "patchSha256sum":
"2478a3d54f8dafd16e6de8af796ba2db598a5ccbdce9351291
f687d06b68aec3",
    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
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8.1.0.9583",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.1.0.9583 Patch2",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.1.0.9583 Patch2",
      "kbUrl": "https://kb.vmware.com/kb/79170",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1595612837019,
      "additionaInfo": {}
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    "metadataVersion": "1",
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    "patchBundleCreationDate": 1595613498040,
    "selfPatch": false,
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      "productName": "vRealize Automation",
      "productVersion": "8.1.0",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
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    "payload": {
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      "patchPayloadFilename": "Prelude_VA-
8.1.0.9583-16633378-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 6043691008,
      "sha256sum":
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21390f03898eb2",
      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-8.1.0-
8.1.0.9583.patch",
    "patchSize": 5979272995,
    "patchSha256sum":
"ee2472d34254904302ff0c7ab48f279fa6f173a4410b64d213
fdd9d72c508595",
    "patchRunningCounter": 2,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
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  {
    "patchInfo": {
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8.1.0.9712",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.1.0.9712 Patch3",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.1.0.9712 Patch3",
      "kbUrl": "https://kb.vmware.com/kb/79170",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1602480345140,
      "additionaInfo": {}
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    "metadataId": "vrlcm-vra-8.1.0-8.1.0.9712",
    "metadataVersion": "1",
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78b8d47e6aa5",
    "patchBundleCreationDate": 1602480636183,
    "selfPatch": false,
    "product": {
      "productId": "vra",
      "productName": "vRealize Automation",
      "productVersion": "8.1.0",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
    },
    "payload": {
      "productPatchLevel": "8.1.0.9712",
      "patchPayloadFilename": "Prelude_VA-
8.1.0.9712-17018655-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 6073458688,
      "sha256sum":
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      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-8.1.0-
8.1.0.9712.patch",
    "patchSize": 6010020858,
    "patchSha256sum":
"77ddcbf07c1400ec40579aafb20847c95a145054d55d677292
546f8a3570ec78",
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    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
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    "patchCounter": "3"
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8.2.0.13070",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.2.0.13070 Patch1",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.2.0.13070 Patch1",
      "kbUrl": "https://kb.vmware.com/kb/81396",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1604913178412,
      "additionaInfo": {}
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    "metadataVersion": "1",
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    "patchBundleCreationDate": 1604913916957,
    "selfPatch": false,
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      "productName": "vRealize Automation",
      "productVersion": "8.2.0",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
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    "payload": {
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      "patchPayloadFilename": "Prelude_VA-
8.2.0.13070-17151459-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 6960089088,
      "sha256sum":
"4c7d8874ed62e1b952409b5662a0469f62f8711a83d4b533d3
f21639fe3f31f5",
      "productMinorLevel": null
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    "patchFileName": "vrlcm-vra-8.2.0-
8.2.0.13070.patch",
    "patchSize": 6892217601,
    "patchSha256sum":
"cacf7a53995465752211e439dc594f77dd1415721f23500fe9
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    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
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    "extract": true,
    "patchCounter": "1"
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  {
    "patchInfo": {
      "name": "vRealize Network Insight - Chrome 71
support",
      "summary": "vRealize Network Insight - Chrome
71 support patch",
      "description": "This patch fixes the issue
where vRealize Network Insight UI is not accessible
from Chrome version 71 and above.",
      "kbUrl":
"https://kb.vmware.com/s/article/60368",
      "eulaFile": "",
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1545406200000,
      "additionaInfo": {}
    },
    "metadataId": "vrlcm-vrni-3.9.0-
Chrome71Support",
    "metadataVersion": "1",
    "patchId": "3b766465-fea1-431a-b3db-
6d40598bfa44",
    "patchBundleCreationDate": 1545403135,
    "selfPatch": false,
    "product": {
      "productId": "vrni",
      "productName": "vRealize Network Insight",
      "productVersion": "3.9.0",
      "supportedVersions": [
        "3.9.0"
      ],
      "productBuild": "",
      "productPatchBuild": "201812201800",
      "additionaInfo": {
        "patchPlatform": "true",
        "patchCollector": "false"
      }
    },
    "payload": {
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      "patchPayloadFilename":
"vRealizeNetworkInsight-Chrome71Support-
201812201800.bundle",
      "patchPayloadUri": "",
      "patchPayloadSize": 31313,
      "sha256sum":
"2e9f4fd3aaee57e00062a0fb9719fb90f0c5de61ebb61a3957
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      "productMinorLevel": null
    },
    "patchFileName": "vrlcm-vrni-3.9.0-
Chrome71Support.patch",
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    "patchRunningCounter": 1,
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    "extract": false,
    "patchCounter": null
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  {
    "patchInfo": {
      "name": "vRealize Network Insight, version
5.2.0-P1 patch",
      "summary": "vRSLCM wrapped vRealize Network
Insight, version 5.2.0-P1 patch",
      "description": "vRSLCM wrapped vRealize
Network Insight, version 5.2.0-P1 patch",
      "kbUrl":
"https://kb.vmware.com/s/article/78681",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1588247541674,
      "additionaInfo": {}
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    "metadataId": "vrlcm-vrni-5.2.0-P1",
    "metadataVersion": "1",
    "patchId": "a8cb263a-0253-44ab-9d48-
ed8622a4d26a",
    "patchBundleCreationDate": 1588247828599,
    "selfPatch": false,
    "product": {
      "productId": "vrni",
      "productName": "vRealize Network Insight",
      "productVersion": "5.2.0",
      "supportedVersions": [
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      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {
        "patchCollector": "true",
        "patchPlatform": "false",
        "patchMaster": "true"
      }
    },
    "payload": {
      "productPatchLevel": "P1",
      "patchPayloadFilename": "VMware-vRealize-
Network-Insight.5.2.0.P1-1587685176.patch.bundle",
      "patchPayloadUri": null,
      "patchPayloadSize": 584179424,
      "sha256sum":
"cd35544c491e2a82cbedd1d5ac1661f05bb051d0fc106f01da
a1955281b194ef",
      "productMinorLevel": null
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    },
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    "patchSize": 600479843,
    "patchSha256sum":
"f3d91f8d31f5b8eefac325fc3fd7ab1fa3cb3665133e2c9224
40bb5ccd2e56fb",
    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
    "extract": false,
    "patchCounter": null
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  {
    "patchInfo": {
      "name": "vRealize Operations, version 7.0 -
Security Fix 1",
      "summary": "Security Fix for vRealize
Operations Manager 7.0",
      "description": "The vRealize Operations
Manager 7.0 Security Fix 1 is a public Security Fix
that addresses security concerns with the internal
scripts of vRealize Operations Manager. Applying
the Security Fix will give ownership of the scripts
to the root user from the admin user.",
      "kbUrl": "https://kb.vmware.com/kb/60301",
      "eulaFile": "",
      "category": "security",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1545136200000,
      "additionaInfo": {}
    },
    "metadataId": "vrlcm-vrops-7.0.0-HF3",
    "metadataVersion": "1",
    "patchId": "f446c62b-82e8-449f-9fda-
72eb70beb3ce",
    "patchBundleCreationDate": 1545045472,
    "selfPatch": false,
    "product": {
      "productId": "vrops",
      "productName": "vRealize Operations Manager",
      "productVersion": "7.0.0",
      "supportedVersions": [
        "7.0.0"
      ],
      "productBuild": "11287810",
      "productPatchBuild": "11287810",
      "additionaInfo": {}
    },
    "payload": {
      "productPatchLevel": "HF3",
      "patchPayloadFilename":
"vRealize_Operations_Manager-VA-
7.0.0.11287810.pak",
      "patchPayloadUri": "",
      "patchPayloadSize": 1985361350,
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      "sha256sum":
"ace64b7dd2807e2f0085f92aa35cc103c1da1a4bd102c8c7eb
1eb02547f2ab69",
      "productMinorLevel": null
    },
    "patchFileName": "vrlcm-vrops-7.0.0-HF3.patch",
    "patchSize": 0,
    "patchSha256sum": "",
    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
    "extract": false,
    "patchCounter": null
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  {
    "patchInfo": {
      "name": "vrops-7.5-Flex-HF1",
      "summary": "vRSLCM wrapped vRealize
Operations Manager, version 7.5.0 - HF1 - Flex
License support and bug fixes",
      "description": "vRSLCM wrapped vRealize
Operations Manager, version 7.5.0 - HF1 - Flex
License support and bug fixes",
      "kbUrl": "",
      "eulaFile": "",
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1583427600000,
      "additionaInfo": {}
    },
    "metadataId": "vrlcm-vrops-7.5.0-HF1",
    "metadataVersion": "1",
    "patchId": "4019102c-48d9-475c-9fc1-
411d792ae3fe",
    "patchBundleCreationDate": 1583375126443,
    "selfPatch": false,
    "product": {
      "productId": "vrops",
      "productName": "vRealize Operations Manager",
      "productVersion": "7.5.0",
      "supportedVersions": [
        "7.5.0"
      ],
      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
    },
    "payload": {
      "productPatchLevel": "HF1",
      "patchPayloadFilename":
"vRealize_Operations_Manager-VA-
7.5.0.15710594.pak",
      "patchPayloadUri": null,
      "patchPayloadSize": 1957961059,
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      "sha256sum":
"c7ae397815834837b3c8684fddb28128eef22556e9130bd287
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      "productMinorLevel": null
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    "patchSize": 2011888071,
    "patchSha256sum":
"671485035178d458c032cc5a197921be0b4d77dfd43b15289c
9929beb906a423",
    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
    "patchDownloadStatus": "NOTAVAILABLE",
    "extract": false,
    "patchCounter": null
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  {
    "patchInfo": {
      "name": "vrli-4.8.0-HF1",
      "summary": "vRSLCM wrapped vRealize Log
Insight, version 4.8.0 - HF1 - Flex License support
and bug fixes",
      "description": "vRSLCM wrapped vRealize Log
Insight, version 4.8.0 - HF1 - Flex License support
and bug fixes",
      "kbUrl": "",
      "eulaFile": "",
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1582909200000,
      "additionaInfo": {
        "policyJar": "logs.jar"
      }
    },
    "metadataId": "vrlcm-vrli-4.8.0-HF1",
    "metadataVersion": "1",
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0d29f04af4c4",
    "patchBundleCreationDate": 1582890916346,
    "selfPatch": false,
    "product": {
      "productId": "vrli",
      "productName": "vRealize Log Insight",
      "productVersion": "4.8.0",
      "supportedVersions": [
        "4.8.0"
      ],
      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {
        "policyJar": "logs.jar"
      }
    },
    "payload": {
      "productPatchLevel": "HF1",
```

		"patchPayloadFilename": "VMware-vRealize-Log-Insight-4.8.0-15682814.pak", "patchPayloadUri": null, "patchPayloadSize": 750223360, "sha256sum": "87b68cc97395addca98bd2308ff2e3f356d89407e9d069c9b7ec9ba04860d93d", "productMinorLevel": null }, "patchFileName": "vrlcm-vrli-4.8.0-HF1.patch", "patchSize": 758109570, "patchSha256sum": "997a851e1efd06af1c89d00d672c1fe3fd83bbbf88d2aaa074b877d45f1a8312", "patchRunningCounter": 1, "patchStatus": "ACTIVE", "patchDownloadStatus": "NOTAVAILABLE", "extract": false, "patchCounter": null }]	

Download a Patch binary	POST	/lcm/lcops/api/v2/settings/patch-binaries/download
		Request Body : "patchDownloadRequestDTO"
		{
		"patchId": "dd55fc43-7603-403f-b994-ff71067ce9d5",
		"productId": "vra",
		"productVersion": "8.0.1"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Get all downloaded Patch binaries	GET	/lcm/lcops/api/v2/settings/patch-binaries/download
		Response code : 200 OK
		Response body :
		[
		  {
		  "patchInfo": {
		  "name": "vRealize Automation, version 8.1.0.9465",
		  "summary": "vRSLCM wrapped vRealize Automation, version 8.1.0.9465 Patch1",
		  "description": "vRSLCM wrapped vRealize Automation, version 8.1.0.9465 Patch1",
		  "kbUrl": "https://kb.vmware.com/kb/79170",
		  "eulaFile": null,
		  "category": "bugfix",
		  "urgency": "critical",
		  "releaseType": "patch",
		  "releaseDate": 1592395447924,
		  "additionaInfo": {}
		  },
		  "metadataId": "vrlcm-vra-8.1.0-8.1.0.9465",
		  "metadataVersion": "1",
		  "patchId": "9c8812d5-63e3-4001-ac28-be7a7b67defc",
		  "patchBundleCreationDate": 1592395674603,
		  "selfPatch": false,
		  "product": {
		  "productId": "vra",
		  "productName": "vRealize Automation",
		  "productVersion": "8.1.0",
		  "supportedVersions": [
		  "8.1.0"
		  ],
		  "productBuild": null,
		  "productPatchBuild": null,
		  "additionaInfo": {}
		  },
		  "payload": {
		  "productPatchLevel": "8.1.0.9465",
		  "patchPayloadFilename": "Prelude_VA-8.1.0.9465-16413777-updaterepo.iso",
		  "patchPayloadUri": null,
		  "patchPayloadSize": 6035322880,
		  "sha256sum": "61ca8aa6a4bccd4c3f49dfd0632e89b624cff71184ac2fd0df383b4efbe6b157",
		  "productMinorLevel": null
		  },
		  "patchFileName": "vrlcm-vra-8.1.0-8.1.0.9465.patch",
		  "patchSize": 5969014563,
		  "patchSha256sum": "2478a3d54f8dafd16e6de8af796ba2db598a5ccbdce9351291f687d06b68aec3",
		  "patchRunningCounter": 1,
		  "patchStatus": "ACTIVE",	

```
    "patchDownloadStatus": "DOWNLOADED",
    "extract": true,
    "patchCounter": "1"
  },
  {
    "patchInfo": {
      "name": "vRealize Automation, version
8.2.0.13070",
      "summary": "vRSLCM wrapped vRealize
Automation, version 8.2.0.13070 Patch1",
      "description": "vRSLCM wrapped vRealize
Automation, version 8.2.0.13070 Patch1",
      "kbUrl": "https://kb.vmware.com/kb/81396",
      "eulaFile": null,
      "category": "bugfix",
      "urgency": "critical",
      "releaseType": "patch",
      "releaseDate": 1604913178412,
      "additionaInfo": {}
    },
    "metadataId": "vrlcm-vra-8.2.0-8.2.0.13070",
    "metadataVersion": "1",
    "patchId": "600be72f-d367-4ec6-97df-
7653f35a8839",
    "patchBundleCreationDate": 1604913916957,
    "selfPatch": false,
    "product": {
      "productId": "vra",
      "productName": "vRealize Automation",
      "productVersion": "8.2.0",
      "supportedVersions": [
        "8.2.0"
      ],
      "productBuild": null,
      "productPatchBuild": null,
      "additionaInfo": {}
    },
    "payload": {
      "productPatchLevel": "8.2.0.13070",
      "patchPayloadFilename": "Prelude_VA-
8.2.0.13070-17151459-updaterepo.iso",
      "patchPayloadUri": null,
      "patchPayloadSize": 6960089088,
      "sha256sum":
"4c7d8874ed62e1b952409b5662a0469f62f8711a83d4b533d3
f21639fe3f31f5",
      "productMinorLevel": null
    },
    "patchFileName": "vrlcm-vra-8.2.0-
8.2.0.13070.patch",
    "patchSize": 6892217601,
    "patchSha256sum":
"cacf7a53995465752211e439dc594f77dd1415721f23500fe9
7cc8a21baa20dc",
    "patchRunningCounter": 1,
    "patchStatus": "ACTIVE",
```

		"patchDownloadStatus": "DOWNLOADED", "extract": true, "patchCounter": "1" }]	

Delete a Patch binary	DELETE	/lcm/lcops/api/v2/settings/patch-binaries
		Request Body : "patchDownloadRequestDTO"
		{
		"patchId": "dd55fc43-7603-403f-b994-ff71067ce9d5",
		"productId": "vra",
		"productVersion": "8.0.1"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Get Patch binaries from source location	POST	/lcm/lcops/api/v2/settings/patch-binaries/source
		Request body : "genericSettingsSourceConfigDTO"
		{
		"sourceLocation": "/data"
		}
		
		Response code : 200 OK
		Response body :
		[
		{
		"filePath": "/data/vrlcm-vra-8.1.0-8.1.0.9712.patch",
		"name": "vrlcm-vra-8.1.0-8.1.0.9712.patch"
		}
		]	

Import a Patch binary from source location	POST	/lcm/lcops/api/v2/settings/patch-binaries/import
		Request body : "genericSettingsSourceConfigDTO"
		{
		"filePath": "/data/vrlcm-vra-8.1.0-8.1.0.9712.patch",
		"name": "vrlcm-vra-8.1.0-8.1.0.9712.patch"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Get all Patch Ova binaries	GET	/lcm/lcops/api/v2/settings/patch-ova-binaries
		Response code : 200 OK
		Response body :
		[
		{
		"productId": "vra",
		"productVersion": "8.2.0.12959",
		"productBinaryPath": "Prelude_VA-8.2.0.12959-17018654_OVF10.ova",
		"productName": "vRealize Automation",
		"buildNumber": "17018654"
		}
		]	

Get Patch Ova binaries from source location	POST	/lcm/lcops/api/v2/settings/patch-ova-binaries/source
		Request body :
		{
		"sourceLocation": "/data"
		}
		
		Response code : 200 OK
		Response body :
		[
		{
		"filePath": "/data/vrlcm-vra-8.2.0-8.2.0.12959.ovabundle",
		"name": "vrlcm-vra-8.2.0-8.2.0.12959.ovabundle"
		}
		]	

Import a Patch Ova binary from source location	POST	/lcm/lcops/api/v2/settings/patch-ova-binaries/import
		Request body :
		{
		"filePath": "/data/vrlcm-vra-8.2.0-8.2.0.12959.ovabundle",
		"name": "vrlcm-vra-8.2.0-8.2.0.12959.ovabundle"
		}
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Delete a Patch Ova binary	DELETE	/lcm/lcops/api/v2/settings/patch-ova-binaries
		Request body :
		{
		"productId": "vra",
		"productVersion": "8.2.0.12959",
		"productBinaryPath": "Prelude_VA-8.2.0.12959-17018654_OVF10.ova",
		"productName": "vRealize Automation",
		"buildNumber": "17018654"
		}
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

System Patches and PSPacks APIs

What are Patches?

These will have bug fixes for vRSLCM product. User can apply the new patch whenever the vRSLCM patches are GA.

What are PSPacks?

These will have version support for vRSLCM product. User can apply the pspack whenever the vRSLCM pspacks are GA.

Prerequisites :

User should be on v8.4 of vRSLCM

Below steps are followed -

Name	HTTP Method	Endpoint	Description

Apply Patch to vRSLCM	POST	/lcm/lcops/api/v2/system-patch/{patchId}
		Request parameter :
		patchId : 5ec0dc02-1db2-4d77-a75a-9ed162742df9
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			Check patch-binaries online and download for vRSLCM.

Get vRSLCM patch history	GET	/lcm/lcops/api/v2/system-patch/history
		Response code : 200 OK
		Response body :
		[
		{
		"productPatchLevel": "PATCH1",
		"appliedOn": "Dec 16, 2020, 9:24:09 AM",
		"summary": "Cumulative patch bundle for vRealize Suite Lifecycle Manager",
		"category": "bugfix",
		"urgency": "critical",
		"description": "This cumulative patch bundle provides fixes to issues observed with various vRealize Suite Lifecycle Manager components. Refer the associated docUrl for more details.",
		"kbUrl": "https://docs.vmware.com/en/VMware-vRealize-Lifecycle-Manager/8.3.0/rn/vRealize-Lifecycle-Manager-830-Patch-1.html"
		}
		]	

Get current System Patch information	GET	/lcm/lcops/api/v2/system-patch/information
		Response code : 200 OK
		Response body :
		{
		"productPatchLevel": "PATCH1",
		"appliedOn": "Dec 16, 2020, 9:24:09 AM",
		"summary": "Cumulative patch bundle for vRealize Suite Lifecycle Manager",
		"category": "bugfix",
		"urgency": "critical",
		"description": "This cumulative patch bundle provides fixes to issues observed with various vRealize Suite Lifecycle Manager components. Refer the associated docUrl for more details.",
		"kbUrl": "https://docs.vmware.com/en/VMware-vRealize-Lifecycle-Manager/8.3.0/rn/vRealize-Lifecycle-Manager-830-Patch-1.html"
		}	

Get all PSPacks	GET	/lcm/lcops/api/v2/system-pspack
		Response code : 200 OK
		Response body :
		[
		  {
		  "policyVersion": "8.3.0.1",
		  "fileName": "ONLINE-vrlcm-8.3.0-PSPACK1",
		  "isCurrentVersion": null,
		  "patchLevelRequired": null,
		  "pspackId": "6edcb254-4a29-4a02-b2f7-b2b42ca84bf4",
		  "policyVersionDetailsList": [
		  {
		  "productId": "vrlcm",
		  "versions": []
		  },
		  {
		  "productId": "vidm",
		  "versions": [
		  "3.3.3"
		  ]
		  },
		  {
		  "productId": "vra",
		  "versions": [
		  "8.1.0",
		  "8.2.0",
		  "8.3.0"
		  ]
		  },
		  {
		  "productId": "vrli",
		  "versions": [
		  "8.1.1",
		  "8.2.0",
		  "8.3.0"
		  ]
		  },
		  {
		  "productId": "vrni",
		  "versions": [
		  "6.0.0",
		  "6.1.0"
		  ]
		  },
		  {
		  "productId": "vrops",
		  "versions": [
		  "8.1.1",
		  "8.2.0",
		  "8.3.0"
		  ]
		  },
		  {
		  "productId": "vrbc",	

		"versions": [
		"7.6.0",
		"7.5.0"
		]
		},
		{
		"productId": "vssc",
		"versions": [
		"8.3.0"
		]
		}
		]
		}
		]	

Check PSPacks online	POST	/lcm/lcops/api/v2/system-pspack
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Apply System PSPack	POST	/lcm/lcops/api/v2/system-pspack/{pspackId}
		Request parameter :
		pspackId : 6edcb254-4a29-4a02-b2f7-b2b42ca84bf4
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Import a PSPack	POST	/lcm/lcops/api/v2/system-pspack/import
		Request parameter :
		file : vrlcm-8.3.0-PSPACK1.pspak
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			Select the file to upload and wait for file to get uploaded.

vRSLCM Mangement Operation APIs

Name	HTTP Method	Endpoint	Description

Trigger vRSLCM system snapshot	POST	/lcm/lcops/api/v2/system-snapshot
		Request body : "vCeneterRequestDTO"
		{
		"vCenterHost": "lcm-vcenter.sqa.local",
		"vCenterName": "lcm-vcenter.sqa.local",
		"vcPassword": "VMware@200",
		"vcUsedAs": "MANAGEMENT",
		"vcUsername": "vcenter@vsphere.local"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}	

Upgrade vRSLCM system	POST	/lcm/lcops/api/v2/system-upgrade
		Request body : "lcmUpgradeRequestDTO"
		{
		"repositoryType": "url",
		"repositoryUrl": "http://build-squid.eng.vmware.com/build/mts/release/bora-17474547/publish/exports/Update_Repo/",
		"repositoryUserName": "",
		"repositoryPassword": "",
		"actionType": "check"
		}
		
		Response code : 200 OK
		Response body :
		{
		"upgradeResponse": "Checking for available updates, this process can take a few minutes...\n..\nAvailable Updates - \n 8.3.0.8 Build 17474547"
		}	

Check vRSLCM upgrade status	GET	/lcm/lcops/api/v2/system-upgrade
		Response code : 200 OK
		Response body :
		{
		"status": "SUCCESS",
		"progressDetails": null,
		"rebootRequired": false
		}	

Get vRSLCM upgrade history	GET	/lcm/lcops/api/v2/system-upgrade/history
		Response code : 200 OK
		Response body :
		[
		{
		"versionUpgradedFrom": " 8.2.0.23 ",
		"versionUpgradedTo": " 8.3.0.8 ",
		"upgradeTimeStamp": "Tue Jan 19 09:36:11 UTC 2021"
		}
		]	

Request Operation APIs

Name	HTTP Method	Endpoint	Description

Get all requests	GET	/lcm/request/api/v2/requests
		Response code : 200 OK
		Response Body :
		[
		{
		"vmid": "8c193290-4353-4ef0-9406-54b1e44cc9d8",
		"transactionId": null,
		"requestName": "lcmgenricsetting",
		"requestReason": "Get Generic Settings",
		"requestType": "lcmgenricsetting",
		"requestSource": null,
		"requestSourceType": "system",
		"inputMap": {
		"method": "GET",
		"settingsName": "systemsettings",
		"settingsData": null
		},
		"outputMap": {},
		"state": "COMPLETED",
		"executionId": "e53ba5c9-1f6a-4cda-8ba6-6d6274441900",
		"executionPath": "{\"vmid\":\"9fd9ffc2-d7eb-4d86-a66a-ed1c9fd80794\",\"symbolicName\":\"f0d47c64-2f71-490d-aeeb-667162a07dd7\",\"acceptEula\":true,\"variables\":{},\"products\":[{\"symbolicName\":\"lcmgenricsetting\",\"symbolicNameTxt\":null,\"productVersion\":null,\"priority\":0,\"dependsOn\":[],\"components\":[{\"component\":{\"symbolicName\":\"lcmgenricsetting\",\"type\":null,\"componentVersion\":null}}],\"vmf\":{\"symbolicName\":\"lcmgenricsetting\",\"type\":\"STATEMACHINE\",\"version\":\"1.0.0\",\"startState\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"finishState\":\"\",\"errorState\":\"\",\"properties\":{},\"uiProperties\":{\"displayText\":\"lcmgenricsetting\",\"displayKey\":\"vmf::sm::lcmgenricsetting\"},\"nodes\":[{\"symbolicName\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"symbolicNameTxt\":\"lcmgenricsetting-com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"type\":\"SM_STATE\",\"task\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"properties\":{},\"uiProperties\":{\"displayText\":\"Generic Lcm Setting\",\"displayKey\":\"vmf::sm::lcmgenricsetting::node::c.v.v.l.p.l.c.t.GenericLcmSettingTask\"}},{\"symbolicName\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"symbolicNameTxt\":\"lcmgenricsetting-com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"type\":\"SM_STATE\",\"task\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"properties\":{},\"uiProperties\":{\"displayText\":\"Final\",\"displayKey\":\"vmf::sm::lcmgenricsetting::node::c.v.v.l.p.a.s.t.FinalTask\"}}],\"edges\":[{\"name\":\"OnGenericSettingCompleted\",\"source\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"destination\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"type\":\"SM_EVENT\",\"properties\":{},\"uiProperties\":{\"displayText\":\"On Generic Setting Completed\",\"displayKey\":\"vmf::sm::lcmgenricsetting::edge::name::OnGenericSettingCompleted::source::c.v.v.l.p.l.c.t.GenericLcmSettingTask\"}}]}}]}",	

```
    "executionStatus": "{\"vmid\":\"e53ba5c9-1f6a-4cda-8ba6-
6d6274441900\",\"engineRequestProgressDetails\":[{\"machineRequest
ProgressDetails\":[{\"machineInstanceId\":\"e53549a9-787e-4ce9-
9876-
b05a6ab37032\",\"eventStatusDetails\":[{\"eventId\":\"4b91063f-
dbc9-48e3-a15c-
9e06e2b97ce0\",\"eventName\":\"OnStart\",\"eventTxt\":\"lcmgenrics
etting-
OnStart\",\"status\":\"PROCESSED\",\"lastUpdatedOn\":1594633228683
,\"sequence\":17,\"currentState\":\"com.vmware.vrealize.lcm.plugin
.lcmplugin.core.task.GenericLcmSettingTask\"},{\"eventId\":\"a33c2
c75-3e6f-40fb-b9ab-
42611761fce9\",\"eventName\":\"OnGenericSettingCompleted\",\"event
Txt\":\"lcmgenricsetting-
OnGenericSettingCompleted\",\"status\":\"PROCESSED\",\"lastUpdated
On\":1594633229115,\"sequence\":18,\"currentState\":\"com.vmware.v
realize.lcm.platform.automata.service.task.FinalTask\"}],\"status\
":\"COMPLETED\",\"lastUpdatedOn\":1594633229106,\"currentState\":\
"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\
",\"currentStateTxt\":\"lcmgenricsetting-
com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\"
}],\"flowId\":\"lcmgenricsetting\",\"status\":\"SUCCESS\",\"lastUp
datedOn\":1594633229109}],\"status\":\"COMPLETED\",\"lastUpdatedOn
\":1594633228455}",
    "errorCause": null,
    "resultSet": "[{\"vmid\":\"dc89862b-ca67-4a6f-ad38-
552e71839fc6\",\"transactionId\":null,\"sourceOfTheRequest\":\"e53
ba5c9-1f6a-4cda-8ba6-
6d6274441900\",\"resultKey\":\"settings\",\"resultType\":\"com.vmw
are.vrealize.lcm.lcops.common.dto.settings.LCMSystemConfigurationD
TO\",\"resultText\":\"{\\\"vendor\\\":\\\"VMware
Inc.\\\",\\\"name\\\":\\\"VMware vRealize Suite Life Cycle Manager
Appliance\\\",\\\"version\\\":\\\"8.2.0.2\\\",\\\"patchVersion\\\"
:\\\"\\\",\\\"totalStorage\\\":\\\"49G\\\",\\\"usedStorage\\\":\\\
"297M\\\",\\\"availableStorage\\\":\\\"47G\\\",\\\"storagePercenta
ge\\\":\\\"1%\\\",\\\"buildNumber\\\":\\\"16546781\\\",\\\"availab
leSizeInBytes\\\":\\\"49576620032\\\"}\",\"eventId\":\"a33c2c75-
3e6f-40fb-b9ab-42611761fce9\",\"machineInstanceId\":\"e53549a9-
787e-4ce9-9876-b05a6ab37032\"}]",
    "isCancelEnabled": null,
    "lastUpdatedOn": 1594633229667,
    "createdBy": "admin@local"
  },
  {
    "vmid": "448d4bf8-8be1-491d-91b1-3b325b28e1aa",
    "transactionId": null,
    "requestName": "lcmgenricsetting",
    "requestReason": "Get Generic Settings",
    "requestType": "lcmgenricsetting",
    "requestSource": null,
    "requestSourceType": "system",
    "inputMap": {
      "method": "GET",
      "settingsName": "telemetrysettings",
      "settingsData": null
    },
```

```
    "outputMap": {},
    "state": "COMPLETED",
    "executionId": "61274f3c-20cc-47a1-90ec-130635edb7d1",
    "executionPath": "{\"vmid\":\"674753c8-e076-42a5-ade4-
42fb9f4d6d51\",\"symbolicName\":\"77b0b2fb-2b28-4bb4-99c5-
180061baecfe\",\"acceptEula\":true,\"variables\":{},\"products\":[
{\"symbolicName\":\"lcmgenricsetting\",\"symbolicNameTxt\":null,\"
productVersion\":null,\"priority\":0,\"dependsOn\":[],\"components
\":[{\"component\":{\"symbolicName\":\"lcmgenricsetting\",\"type\"
:null,\"componentVersion\":null}}],\"vmf\":{\"symbolicName\":\"lcm
genricsetting\",\"type\":\"STATEMACHINE\",\"version\":\"1.0.0\",\"
startState\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.
GenericLcmSettingTask\",\"finishState\":\"\",\"errorState\":\"\",\
"properties\":{},\"uiProperties\":{\"displayText\":\"lcmgenricsett
ing\",\"displayKey\":\"vmf::sm::lcmgenricsetting\"},\"nodes\":[{\"
symbolicName\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.tas
k.GenericLcmSettingTask\",\"symbolicNameTxt\":\"lcmgenricsetting-
com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSetti
ngTask\",\"type\":\"SM_STATE\",\"task\":\"com.vmware.vrealize.lcm.
plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"properties\":
{},\"uiProperties\":{\"displayText\":\"Generic Lcm
Setting\",\"displayKey\":\"vmf::sm::lcmgenricsetting::node::c.v.v.
l.p.l.c.t.GenericLcmSettingTask\"}},{\"symbolicName\":\"com.vmware
.vrealize.lcm.platform.automata.service.task.FinalTask\",\"symboli
cNameTxt\":\"lcmgenricsetting-
com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\"
,\"type\":\"SM_STATE\",\"task\":\"com.vmware.vrealize.lcm.platform
.automata.service.task.FinalTask\",\"properties\":{},\"uiPropertie
s\":{\"displayText\":\"Final\",\"displayKey\":\"vmf::sm::lcmgenric
setting::node::c.v.v.l.p.a.s.t.FinalTask\"}}],\"edges\":[{\"name\"
:\"OnGenericSettingCompleted\",\"source\":\"com.vmware.vrealize.lc
m.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"destination
\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalT
ask\",\"type\":\"SM_EVENT\",\"properties\":{},\"uiProperties\":{\"
displayText\":\"On Generic Setting
Completed\",\"displayKey\":\"vmf::sm::lcmgenricsetting::edge::name
::OnGenericSettingCompleted::source::c.v.v.l.p.l.c.t.GenericLcmSet
tingTask\"}}]}}]}",
    "executionStatus": "{\"vmid\":\"61274f3c-20cc-47a1-90ec-
130635edb7d1\",\"engineRequestProgressDetails\":[{\"machineRequest
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a1ca-
6be4db7fa900\",\"eventStatusDetails\":[{\"eventId\":\"005a2643-
fa70-467a-8117-
a8b8c73135a0\",\"eventName\":\"OnStart\",\"eventTxt\":\"lcmgenrics
etting-
OnStart\",\"status\":\"PROCESSED\",\"lastUpdatedOn\":1594633196318
,\"sequence\":13,\"currentState\":\"com.vmware.vrealize.lcm.plugin
.lcmplugin.core.task.GenericLcmSettingTask\"},{\"eventId\":\"f384b
c3b-3b00-4758-b688-
e5e5331dbfe1\",\"eventName\":\"OnGenericSettingCompleted\",\"event
Txt\":\"lcmgenricsetting-
OnGenericSettingCompleted\",\"status\":\"PROCESSED\",\"lastUpdated
On\":1594633196729,\"sequence\":14,\"currentState\":\"com.vmware.v
realize.lcm.platform.automata.service.task.FinalTask\"}],\"status\
":\"COMPLETED\",\"lastUpdatedOn\":1594633196717,\"currentState\":\
```

```
"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\
",\"currentStateTxt\":\"lcmgenricsetting-
com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\"
}],\"flowId\":\"lcmgenricsetting\",\"status\":\"SUCCESS\",\"lastUp
datedOn\":1594633196720}],\"status\":\"COMPLETED\",\"lastUpdatedOn
\":1594633196056}",
    "errorCause": null,
    "resultSet": "[{\"vmid\":\"f3ffab41-a6c7-41a5-8572-
135c36aef498\",\"transactionId\":null,\"sourceOfTheRequest\":\"612
74f3c-20cc-47a1-90ec-
130635edb7d1\",\"resultKey\":\"settings\",\"resultType\":\"com.vmw
are.vrealize.lcm.lcops.common.dto.settings.TelemetryCollectorConfi
gurationDTO\",\"resultText\":\"{\\\"environmentType\\\":\\\"produc
tion\\\",\\\"collectorId\\\":\\\"vrlcm.8_1\\\",\\\"collectorInstan
ceId\\\":\\\"a7e4956c-c24f-11ea-8c0b-
005056b4d2a7\\\",\\\"telemetryEnabled\\\":true,\\\"uiCollectorId\\
\":\\\"vRLCM_ui.8_1\\\"}\",\"eventId\":\"f384bc3b-3b00-4758-b688-
e5e5331dbfe1\",\"machineInstanceId\":\"2d372cc5-327e-4745-a1ca-
6be4db7fa900\"}]",
    "isCancelEnabled": null,
    "lastUpdatedOn": 1594633197304,
    "createdBy": "admin@local"
  }
]
```

GetRequestbyID	GET	lcm/request/api/requests/{requestId}
		Request parameter :
		requestId : 448d4bf8-8be1-491d-91b1-3b325b28e1aa
		
		Response code : 200 OK
		Response body :
		
		{
		"vmid": "448d4bf8-8be1-491d-91b1-3b325b28e1aa",
		"transactionId": null,
		"requestName": "lcmgenricsetting",
		"requestReason": "Get Generic Settings",
		"requestType": "lcmgenricsetting",
		"requestSource": null,
		"requestSourceType": "system",
		"inputMap": {
		"method": "GET",
		"settingsName": "telemetrysettings",
		"settingsData": null
		},
		"outputMap": {},
		"state": "COMPLETED",
		"executionId": "61274f3c-20cc-47a1-90ec-130635edb7d1",
		"executionPath": "{\"vmid\":\"674753c8-e076-42a5-ade4-42fb9f4d6d51\",\"symbolicName\":\"77b0b2fb-2b28-4bb4-99c5-180061baecfe\",\"acceptEula\":true,\"variables\":{},\"products\":[{\"symbolicName\":\"lcmgenricsetting\",\"symbolicNameTxt\":null,\"productVersion\":null,\"priority\":0,\"dependsOn\":[],\"components\":[{\"component\":{\"symbolicName\":\"lcmgenricsetting\",\"type\":null,\"componentVersion\":null}}],\"vmf\":{\"symbolicName\":\"lcmgenricsetting\",\"type\":\"STATEMACHINE\",\"version\":\"1.0.0\",\"startState\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"finishState\":\"\",\"errorState\":\"\",\"properties\":{},\"uiProperties\":{\"displayText\":\"lcmgenricsetting\",\"displayKey\":\"vmf::sm::lcmgenricsetting\"},\"nodes\":[{\"symbolicName\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"symbolicNameTxt\":\"lcmgenricsetting-com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"type\":\"SM_STATE\",\"task\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"properties\":{},\"uiProperties\":{\"displayText\":\"Generic Lcm Setting\",\"displayKey\":\"vmf::sm::lcmgenricsetting::node::c.v.v.l.p.l.c.t.GenericLcmSettingTask\"}},{\"symbolicName\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"symbolicNameTxt\":\"lcmgenricsetting-com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"type\":\"SM_STATE\",\"task\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"properties\":{},\"uiProperties\":{\"displayText\":\"Final\",\"displayKey\":\"vmf::sm::lcmgenricsetting::node::c.v.v.l.p.a.s.t.FinalTask\"}}],\"edges\":[{\"name\":\"OnGenericSettingCompleted\",\"source\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\",\"destination\":\"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\",\"type\":\"SM_EVENT\",\"properties\":{},\"uiProperties\":{\"displayText\":\"On Generic Setting	

```
Completed\",\"displayKey\":\"vmf::sm::lcmgenricsetting::edge::name
::OnGenericSettingCompleted::source::c.v.v.l.p.l.c.t.GenericLcmSet
tingTask\"}}]}}]}",
  "executionStatus": "{\"vmid\":\"61274f3c-20cc-47a1-90ec-
130635edb7d1\",\"engineRequestProgressDetails\":[{\"machineRequest
ProgressDetails\":[{\"machineInstanceId\":\"2d372cc5-327e-4745-
a1ca-
6be4db7fa900\",\"eventStatusDetails\":[{\"eventId\":\"005a2643-
fa70-467a-8117-
a8b8c73135a0\",\"eventName\":\"OnStart\",\"eventTxt\":\"lcmgenrics
etting-
OnStart\",\"status\":\"PROCESSED\",\"lastUpdatedOn\":1594633196318
,\"sequence\":13,\"currentState\":\"com.vmware.vrealize.lcm.plugin
.lcmplugin.core.task.GenericLcmSettingTask\"},{\"eventId\":\"f384b
c3b-3b00-4758-b688-
e5e5331dbfe1\",\"eventName\":\"OnGenericSettingCompleted\",\"event
Txt\":\"lcmgenricsetting-
OnGenericSettingCompleted\",\"status\":\"PROCESSED\",\"lastUpdated
On\":1594633196729,\"sequence\":14,\"currentState\":\"com.vmware.v
realize.lcm.platform.automata.service.task.FinalTask\"}],\"status\
":\"COMPLETED\",\"lastUpdatedOn\":1594633196717,\"currentState\":\
"com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\
",\"currentStateTxt\":\"lcmgenricsetting-
com.vmware.vrealize.lcm.platform.automata.service.task.FinalTask\"
}],\"flowId\":\"lcmgenricsetting\",\"status\":\"SUCCESS\",\"lastUp
datedOn\":1594633196720}],\"status\":\"COMPLETED\",\"lastUpdatedOn
\":1594633196056}",
  "errorCause": null,
  "resultSet": "[{\"vmid\":\"f3ffab41-a6c7-41a5-8572-
135c36aef498\",\"transactionId\":null,\"sourceOfTheRequest\":\"612
74f3c-20cc-47a1-90ec-
130635edb7d1\",\"resultKey\":\"settings\",\"resultType\":\"com.vmw
are.vrealize.lcm.lcops.common.dto.settings.TelemetryCollectorConfi
gurationDTO\",\"resultText\":\"{\\\"environmentType\\\":\\\"produc
tion\\\",\\\"collectorId\\\":\\\"vrlcm.8_1\\\",\\\"collectorInstan
ceId\\\":\\\"a7e4956c-c24f-11ea-8c0b-
005056b4d2a7\\\",\\\"telemetryEnabled\\\":true,\\\"uiCollectorId\\
\":\\\"vRLCM_ui.8_1\\\"}\",\"eventId\":\"f384bc3b-3b00-4758-b688-
e5e5331dbfe1\",\"machineInstanceId\":\"2d372cc5-327e-4745-a1ca-
6be4db7fa900\"}]",
  "isCancelEnabled": null,
  "lastUpdatedOn": 1594633197304,
  "createdBy": "admin@local"
}
```

Retry Request by ID	PATCH	/lcm/request/api/v2/requests/{requestId}/retry
		Request parameter :
		requestId : 3a74f17a-8230-4ed7-85cc-cba515f754a5
		
		Request body :
		[
		  {
		  "messageId": "LCMVROPSYSTEM25000",
		  "message": "Confirm that the specified node is a member of vRealize Operations Manager cluster and the node is online and accessible",
		  "eventId": "89d5567a-f299-4d57-bee0-a768da0fe94e",
		  "retry": true,
		  "exceptionMessage": "Failed to get the vROps version during deployment discovery. Retry after verifying master node address and admin password.",
		  "exceptionStackTrace": "com.vmware.vrealize.lcm.plugin.common.vrops.exceptions.DiscoveryException: Failed to get the vROps version during deployment discovery. Retry after verifying master node address and admin password.\n\tat com.vmware.vrealize.lcm.plugin.core.vrops.tasks.DeploymentsDiscoveryTask.execute(DeploymentsDiscoveryTask.java:149)\n\tat com.vmware.vrealize.lcm.automata.core.TaskThread.run(TaskThread.java:45)\n\tat java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)\n\tat java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)\n\tat java.base/java.lang.Thread.run(Unknown Source)\n",
		  "properties": {
		  "vropsMasterNodeIP": "lcm-34-241.sqa.local",
		  "vropsAdminPassword": "locker:password:92d4276c-57b6-4d66-b6ef-db552b722fa5:Common-pwd"
		  }
		  }
		]
		
		Response code : 200 OK
			Request payload can be fetched from API to get Error Causes by a Request ID.

GetErrorCausesbyaRequestID	GET	/lcm/request/api/v2/requests/{requestId}/error-causes
		Request parameter :
		requestId : 3a74f17a-8230-4ed7-85cc-cba515f754a5
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "messageId": "LCMVROPSYSTEM25000",
		  "message": "Confirm that the specified node is a member of vRealize Operations Manager cluster and the node is online and accessible",
		  "eventId": "89d5567a-f299-4d57-bee0-a768da0fe94e",
		  "retry": true,
		  "exceptionMessage": "Failed to get the vROps version during deployment discovery. Retry after verifying master node address and admin password.",
		  "exceptionStackTrace": "com.vmware.vrealize.lcm.plugin.common.vrops.exceptions.DiscoveryException: Failed to get the vROps version during deployment discovery. Retry after verifying master node address and admin password.\n\tat com.vmware.vrealize.lcm.plugin.core.vrops.tasks.DeploymentsDiscoveryTask.execute(DeploymentsDiscoveryTask.java:149)\n\tat com.vmware.vrealize.lcm.automata.core.TaskThread.run(TaskThread.java:45)\n\tat java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)\n\tat java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)\n\tat java.base/java.lang.Thread.run(Unknown Source)\n",
		  "properties": {
		  "vropsMasterNodeIP": "lcm-34-241.sqa.local",
		  "vropsAdminPassword": "locker:password:92d4276c-57b6-4d66-b6ef-db552b722fa5:Common-pwd"
		  }
		  }
		]	

Settings Operation APIs

Name	HTTP Method	Endpoint	Error Response codes	Description

Get Product DNS Settings	GET	/lcm/lcops/api/v2/settings/dns
		Response Body :
		[
		{
		"name": "dns-server1",
		"hostName": "10.141.66.213"
		},
		{
		"name": "dns-server2",
		"hostName": "10.118.183.252"
		}
		]
				This API is used to fetch all the DNS servers data saved.

Save Product DNS Settings	POST	/lcm/lcops/api/v2/settings/dns
		Request Body :
		"dnsConfigurationDTO"
		{
		"hostName": "10.141.66.213",
		"name": "dns-server1"
		}
		
		Response Code : 200 OK
		Response body :
		{
		"hostName": "10.141.66.213",
		"name": "dns-server1"
		}
			400 - Bad Request
			When DNS hostname provided is empty.
			Sample Request body :
			{
			"hostName": "",
			"name": "dns-server1"
			}
			
			Response code : 400 Bad Request
			Sample Response body :
			{
			"status": "",
			"message": "DNS hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When DNS name provided is empty.
			Sample Request body :
			{
			"hostName": "10.141.66.213",
			"name": ""
			}
			
			Response code : 400 Bad Request
			Sample Response body :
			{
			"status": "",
			"message": "DNS name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALI
				This API is used to save a DNS server details.
				
				In order to save the DNS settings data, the **hostName** and server **name** should be different from already existing ones.
				
				Else, will lead to the errors as described in preceding column.

			DATION_API_ERROR0000",
			  "errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			409 - Conflict
			When DNS server (hostName) provided already exist.
			Sample Request body :
			{
			  "hostName": "10.141.66.213",
			  "name": "dns-server2"
			}
			
			Response Code : 409 Conflict
			Response body :
			{
			  "status": "",
			  "message": "DNS server already exist.",
			  "errorCode": "LCM_SETTINGS_API_ERROR0003",
			  "errorLabel": "Settings data already exist.",
			
			"recommendations": []
			}
			When DNS server name provided already exist.
			Sample Request body :
			{
			  "hostName": "10.141.66.214",
			  "name": "dns-server1"
			}	

			Response Code :
			409 Conflict
			Response body :
			{
			"status": "",
			"message": "DNS server name already exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0003",
			"errorLabel": "Settings data already exist.",
			
			"recommendations": []
			}	

Update Product DNS Settings	PUT	/lcm/lcops/api/v2/settings/dns
		Request Body :
		"dnsConfigurationDTO"
		{
		"hostName": "10.141.66.213",
		"name": "dns-server3"
		}
		
		Response Code : 200 OK
			400 - Bad Request
			When DNS hostname provided is empty.
			Sample Request body :
			{
			"hostName": "",
			"name": "dns-server1"
			}
			
			Response code : 400 Bad Request
			Sample Response body :
			{
			"status": "",
			"message": "DNS hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When DNS name provided is empty.
			Sample Request body :
			{
			"hostName": "10.141.66.213",
			"name": ""
			}
			
			Response code : 400 Bad Request
			Sample Response body :
			{
			"status": "",
			"message": "DNS name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALI
				This API is used to update DNS server **name** of already existing DNS server.
				
				DNS server **name** can be updated for already existing DNS server (**hostName**) using this API.
				
				▪ Note : DNS server **name** is case insensitive. Suppose a DNS **name** - "dns-server1" already exists, while updating the **name**, you can't provi

			DATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			
			409 - Conflict
			When DNS server name provided already exist.
			Sample Request body :
			{
			"hostName": "10.141.66.214",
			"name": "dns-server2"
			}
			
			Response Code : 409 Conflict
			Response body :
			{
			"status": "",
			"message": "DNS server name already exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0003",
			"errorLabel": "Settings data already exist.",
			
			"recommendations": []
			}
			404 - Not Found
			When DNS server (hostName) does not exist.
			Sample Request body :
				de value as "DNS-SERVER1". Else, it will lead to 409 Conflict error as described in the preceding column.

			{
			"name": "dns4",
			"hostName": "10.118.183.253"
			}
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "DNS server (hostName) does not exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0002",
			"errorLabel": "Settings data does not exist.",
			
			"recommendations": []
			}	

Delete Product DNS Settings
 	
[Deprecated]
	DELETE	/lcm/lcops/api/v2/settings/dns
		Request Body :
		"dnsConfigurationDTO"
		
		{
		"hostName": "10.141.66.213",
		"name": "dns-server1"
		}
		
		Response : 200 OK
			400 - Bad Request
			When DNS hostname provided is empty.
			Sample Request body :
			{
			"hostName": "",
			"name": "dns-server1"
			}
			
			Response code : 400 Bad Request
			Sample Response body :
			{
			"status": "",
			"message": "DNS hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When DNS name provided is empty.
			Sample Request body :
			{
			"hostName": "10.141.66.213",
			"name": ""
			}
			
			Response code : 400 Bad Request
			Sample Response body :
			{
			"status": "",
			"message": "DNS name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALI
				This API is used to delete existing DNS server data. Make sure, both the DNS **hostName** and **name** you provide is existing.
				
				Else, will lead to 404 error as described in preceding column.

			DATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			404 - Not Found
			When DNS server data does not exist.
			Sample Request body :
			{
			"name": "dns4",
			"hostName": "10.118.183.253"
			}
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "DNS settings data to be deleted does not exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0002",
			"errorLabel": "Settings data does not exist.",
			
			"recommendations": []
			}	

Delete Product DNS Settings	DELETE	/lcm/lcops/api/v3/settings/dns
		Request Body :
		dnsHostname : 1.2.3.4
		
		Response : 200 OK
		Response body :
		{
		"name": "dns-server1",
		"hostName": "1.2.3.4"
		}		

Expand vRSLCM VA Disk Size	POST	/lcm/lcops/api/v2/settings/system-details/disks/expand
		Request body : "lcmVaDiskManagementConfigDTO"
		{
		"diskSizeInGb": 10,
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcPassword": "VMware@505",
		"vcUsername": "devuser@vsphere.local"
		}
		
		Response code : 200 OK
		Response body :
		{
		"requestId": "4808f873-3a21-4191-8936-c9466201c010"
		}
			400 Bad Request
			When vCenter username is blank.
			Sample Request body :
			{
			"diskSizeInGb": 10,
			"vCenterHost": "lcm-vc2.sqa.local",
			"vcPassword": "VMware@505",
			"vcUsername": ""
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "vCenter username cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When vCenter host is blank.
			Sample Request body :
			{
			"diskSizeInGb": 10,
			"vCenterHost": "",
			"vcPassword": "VMware@505",
			"vcUsername": "devuser@vsphere.local"
			}
				This API is used to expand the disk size of your vRSLCM VA.

			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "vCenter host cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When vCenter password is blank.
			Sample Request body :
			{
			"diskSizeInGb": 10,
			"vCenterHost": "lcm-vc2.sqa.local",
			"vcPassword": "",
			"vcUsername": "devuser@vsphere.local"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "vCenter password cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply	

			with constraints.",
			
			"recommendations" : []
			}
			When diskSize value is invalid.
			Sample Request body :
			{
			"diskSizeInGb": -20,
			"vCenterHost": "lcm-vc2.sqa.local",
			"vcPassword": "VMware@505",
			"vcUsername": "devuser@vsphere.local"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "Disk size value is invalid.",
			"errorCode": "LCM_SETTINGS_API_ERROR0001",
			"errorLabel": "Settings request payload is invalid.",
			
			"recommendations" : [
			"Disk size value should be greater than or equal to 1GB."
			]
			}	

Get vRSLCM Time settings	GET	/lcm/lcops/api/v2/settings/system-details/time
		Response code : 200 OK
		Response body :
		{
		"dateTime": "Sun Jul 26 18:31:13 UTC 2020",
		"syncWithHost": true,
		"ntpServerEnabled": false,
		"ntpServers": "",
		"ntpServerStarted": false
		}
				This API is used to fetch the details of vRSLCM Time settings.

Save vRSLCM Time Settings	POST	/lcm/lcops/api/v2/settings/system-details/time
		Request body:
		"lcmNtpConfigurationDTO"
		{
		"dateTime": "Sun Jul 26 18:31:13 UTC 2020",
		"ntpServerEnabled": true,
		"ntpServerStarted": false,
		"ntpServers": "ntp1.eng.vmware.com",
		"syncWithHost": false
		}
		
		Response code : 200 OK
		Response body:
		{
		"dateTime": "Sun Jul 26 18:31:13 UTC 2020",
		"syncWithHost": false,
		"ntpServerEnabled": true,
		"ntpServers": "ntp1.eng.vmware.com",
		"ntpServerStarted": false
		}
			400 - Bad Request
			When both Host and NTP server is set to true
			Sample Request body :
			{
			"dateTime": "",
			"ntpServerEnabled": true,
			"ntpServerStarted": false,
			"ntpServers": "ntp1.eng.vmware.com",
			"syncWithHost": true
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "You can't select both Use Host and Use NTP Servers.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			"recommendations": []
			}
			When ntpServers is blank when NTP servers is enabled.
			Sample Request body :
			
			{
			"dateTime": "Sun Jul 26 18:31:13 UTC 2020",
				This API is used to set the vRSLCM system time.
				
				Here values for fields - **"ntpServerEnabled"**, **"ntpServerStarted"** and **"syncWithHost"** can be set to **true/false.**
				
				You can either use host or ntp servers to set the time of vRSLCM appliance, but never both.
				
				• If you chose to use Host machine time, set **sync With Host** as true, setting other two

			"ntpServerEnabled": true,
			
			"ntpServerStarted": false,
			"ntpServers": "",
			"syncWithHost": false
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP server needs to be provided if you select Use NTP Servers option.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When both Host and NTP servers is disabled.
			Sample Request body :
			{
			"dateTime": "Sun Jul 26 18:31:13 UTC 2020",
			
			"ntpServerEnabled": false,
			
			"ntpServerStarted": false,
			"ntpServers": "ntp1.eng.vmware.com",
				fields as false.
				• If you chose to use NTP server's time, set two fields mentioned above to true and **sync With Host** to false.

			"syncWithHost": false
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "You have to select either Use Host or Use NTP Servers.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}	

Generate vRSLCM Log Bundle	POST	/lcm/lcops/api/v2/settings/log-bundles
		Response code : 200 OK
		Response body :
		{
		"requestId": "e9070abb-77f2-4053-bee4-9b83c1dd305c"
		}
				This is used to generate vRSLCM log bundles.

Get all vRSLCM Log Bundles	GET	/lcm/lcops/api/v2/settings/log-bundles
		Response code : 200 OK
		Response body :
		[
		{
		"downloadUrl": "https://lcm-15-13.eng.vmware.com/repo/logBundleRepo/vrlcm/logbundle/vlcmsupport-2020-07-26_18-44-39.24492.zip"
		}
		]
			404 - Not Found
			When Log Bundles are not generated.
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "Log Bundles are not generated.",
			"errorCode": "LCM_SETTINGS_API_ERROR0002",
			"errorLabel": "Settings data does not exist.",
			"recommendations": []
			}
				This fetches the **downloadUrl** path for vRSLCM log bundles already generated.
				
				Make sure you trigger POST API - /lcm/lcops/api/v2/settings/log-bundles, to generate log bundles prior to executing this API.
				
				Else, will lead to 404 error as described in preceding column.

Get all My VMware Accounts	GET	/lcm/lcops/api/v2/settings/my-vmware/accounts
		Response code : 200 OK
		Response body :
		[
		{
		"userName": "myvmwareaccount@vmware.com",
		"password": "vrslcm2"
		}
		]
				This API is used to fetch all the MyVmware accounts.

Save My VMware Account	POST	/lcm/lcops/api/v2/settings/my-vmware/accounts
		Request body :
		"myVmwareConfigurationDTO"
		{
		"password": "vrslcm@vm1",
		"userName": "myvmwareaccount@vmware.com"
		}
		
		Response code : 200 OK
		Response body:
		{
		"password": "Aragorn@vm1",
		"userName": "frodo@vmware.com"
		}
			400 - Bad Request
			When MyVmware account username is blank.
			Sample Request body :
			{
			"password": "vrslcm@vm1",
			"userName": ""
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "MyVmware account username cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When MyVmware account password is blank.
			Sample Request body :
			{
			"password": "",
			"userName": "myvmware@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "MyVmware account
				This API is used to add a MyVmware account.

			password cannot be blank.",
			  "errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			  "errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			409 - Conflict
			When MyVmware account already exist.
			Sample Request body :
			{
			  "userName": "frodo@vmware.com",
			  "password": "vrslcm@vm1!"
			}
			
			Response Code : 409 Conflict
			Response body :
			{
			  "status": "",
			  "message": "MyVmware account already exist.",
			  "errorCode": "LCM_SETTINGS_API_ERROR0003",
			  "errorLabel": "Settings data already exist.",
			
			"recommendations": []
			}	

Update My VMware Account	PUT	/lcm/lcops/api/v2/settings/my-vmware/accounts
		Request body:
		"myVmwareConfigurationDTO"
		{
		"userName": "myvmware@vmware.com",
		"password": "cmbu@vm1!"
		}
		Response code : 200 OK
			400 - Bad Request
			When MyVmware account username is blank.
			Sample Request body :
			{
			"password": "vrslcm@vm1",
			"userName": ""
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "MyVmware account username cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When MyVmware account password is blank.
			Sample Request body :
			{
			"password": "",
			"userName": "myvmware@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "MyVmware account
				This API is used to Update the **password** for existing MyVmware account username.

			password cannot be blank.",
			  "errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			  "errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			404 - Not Found
			When MyVmware account to be updated does not exist.
			Sample Request body :
			{
			  "userName": "Aragorn@vmware.com",
			  "password": "vrslcm@vm1!"
			}
			
			Response Code : 404 Not Found
			Response body :
			{
			  "status": "",
			  "message": "MyVmware account to be updated does not exist.",
			  "errorCode": "LCM_SETTINGS_API_ERROR0002",
			  "errorLabel": "Settings data does not exist.",
			
			"recommendations": []
			}	

Delete a My VMware Account
 	
[Deprecated]
	DELETE	/lcm/lcops/api/v2/settings/my-vmware/accounts
		Request body :
		"myVmwareConfigurationDTO"
		{
		"userName": "frodo@vmware.com",
		"password": "Aragorn@vm1!"
		}
		Response code : 200 OK
			400 - Bad Request
			When MyVmware account username is blank.
			Sample Request body :
			{
			"password": "vrslcm@vm1",
			"userName": ""
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "MyVmware account username cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When MyVmware account password is blank.
			Sample Request body :
			{
			"password": "",
			"userName": "myvmware@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "MyVmware account
				This API is used to delete a MyVMware account by **username**.

			password cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			
			404 - Not Found
			When MyVmware account to be deleted does not exist.
			Sample Request body :
			{
			"userName": "Aragorn@vmware.com",
			"password": "vrslcm@vm1!"
			}
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "MyVmware account to be deleted does not exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0002",
			"errorLabel": "Settings data does not exist.",
			
			"recommendations": []
			}	

Delete a My VMware Account	DELETE	/lcm/lcops/api/v3/settings/my-vmware/accounts
		Request body :
		username : frodo@vmware.com
		
		Response code : 200 OK
		Response body :
		{
		"userName": "frodo@vmware.com",
		"password": "locker:password:9a5cb445-a551-450a-b3c8-7355dbae65df:My VMware - frodo@vmware.com"
		}		

Get Network Settings	GET	/lcm/lcops/api/v2/settings/network-details
		Response code : 200 OK
		Response body :
		{
		"hostName": "lcm-15-13.eng.vmware.com",
		"alternateDns": "10.132.7.1",
		"netmask": "255.255.255.0",
		"ipAddress": "10.196.15.13",
		"searchPath": null,
		"preferredDns": "10.142.7.1",
		"ipAddressType": "DHCP",
		"gateway": "10.196.15.253"
		}
				This API is used to fetch the Network details of vRSLCM VM.

Check SSH Status	GET	/lcm/lcops/api/v2/settings/ssh
		Response Code : 200 OK
		Response body :
		{
		"sshEnabled": true
		}
				This API is used to check the vRSLCM SSH status.

Enable or Disable SSH	PUT	/lcm/lcops/api/v2/settings/ssh
		Request body : "lcmSshDTO"
		{
		"sshEnabled": false
		}
		Response Code : 200 OK
		Response body :
		{
		"sshEnabled": false
		}
				This API is used to enable/disable vRSLCM SSH status.
				
				To enable ssh, set field **"sshEnabled"** value as **true**
				
				To disable ssh, set field **"sshEnabled"** value as **false**

Get System Settings	GET	/lcm/lcops/api/v2/settings/system-details
		Response code : 200 OK
		Response body :
		{
		"vendor": "VMware Inc.",
		"name": "VMware vRealize Suite Life Cycle Manager Appliance",
		"version": "8.2.0.2",
		"patchVersion": "",
		"totalStorage": "59G",
		"usedStorage": "328M",
		"availableStorage": "56G",
		"storagePercentage": "1%",
		"buildNumber": "16546781",
		"availableSizeInBytes": "59684151296"
		}
				This API is used to get the system details.

Get Telemetry Settings	GET	/lcm/lcops/api/v2/settings/system-details/telemetry
		Response code : 200 OK
		Response body :
		{
		"environmentType": "production",
		"collectorId": "vrlcm.8_1",
		"collectorInstanceId": "a7e4956c-c24f-11ea-8c0b-005056b4d2a7",
		"telemetryEnabled": true,
		"uiCollectorId": "vRLCM_ui.8_1"
		}
				This API is used to get telemetry details.

Get System Disks	GET	/lcm/lcops/api/v2/settings/system-details/disks
		Response code : 200 OK
		Response body :
		{
		"vendor": "VMware Inc.",
		"name": "VMware vRealize Suite Life Cycle Manager Appliance",
		"version": "8.2.0.2",
		"patchVersion": "",
		"diskStorageDTO": [
		{
		"diskName": "/root",
		"totalStorage": "8.7G",
		"usedStorage": "2.6G",
		"availableStorage": "5.8G",
		"storagePercentage": "31%"
		},
		{
		"diskName": "/data",
		"totalStorage": "59G",
		"usedStorage": "328M",
		"availableStorage": "56G",
		"storagePercentage": "1%"
		},
		{
		"diskName": "/storage",
		"totalStorage": "9.8G",
		"usedStorage": "96M",
		"availableStorage": "9.2G",
		"storagePercentage": "2%"
		}
		],
		"properties": {},
		"diskAvailableForUpgrade": true
		}
				This API is used to fetch the details of System disks.

Get Product NTP Settings	GET	/lcm/lcops/api/v2/settings/ntp-servers
		Response code : 200 OK
		Response body :
		[
		{
		"name": "ntp-server1",
		"hostName": "ntp1.eng.vmware.com"
		}
		]
				This API is used to fetch all the product NTP servers.

Save Product NTP Settings	POST	lcm/lcops/api/v2/settings/ntp-servers
		Request body :
		"ntpConfigurationDTO"
		{
		"name": "ntp-server1",
		"hostName": "ntp1.eng.vmware.com"
		}
		
		Response code : 200 OK
		Response body :
		{
		"name": "ntp-server1",
		"hostName": "ntp1.eng.vmware.com"
		}
			400 - Bad Request
			When NTP server hostname is blank.
			Sample Request body :
			{
			"name": "ntp-server1",
			"hostName": ""
			}
			
			Response code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When NTP server name is blank.
			Sample Request body :
			{
			"name": "",
			"hostName": "ntp1.eng.vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALI
				This API is used to add a NTP server.
				
				Note : NTP server **name** is case insensitive. Suppose if you have NTP server with name "**ntp-server1**" already added. And again when you try to add a NTP server with name "**NTP-SERVER1**", will lead you to 409 Conflict error.

			DATION_API_ERROR0000",
			  "errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			409 - Conflict
			When NTP server already exist.
			Sample Request body :
			{
			  "name": "ntp-server1",
			  "hostName": "ntp1.eng.vmware.com"
			}
			
			Response Code : 409 Conflict
			Response body :
			{
			  "status": "",
			  "message": "NTP server already exist.",
			  "errorCode": "LCM_SETTINGS_API_ERROR0003",
			  "errorLabel": "Settings data already exist.",
			
			"recommendations": []
			}
			When NTP server name already exist.
			Sample Request body :
			{
			  "name": "NTP-SERVER1",
			  "hostName": "ntp2.eng.vmware.com"
			}	

			Response Code : 409 Conflict
			Response body :
			{
			"status": "",
			"message": "NTP server name already exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0003",
			"errorLabel": "Settings data already exist.",
			
			"recommendations" : []
			}	

Update Product NTP Settings	PUT	/lcm/lcops/api/v2/settings/ntp-servers
		Request body :
		"ntpConfigurationDTO"
		{
		"name": "ntp-server2",
		"hostName": "ntp1.eng.vmware.com"
		}
		
		Response code : 200 OK
			400 - Bad Request
			When NTP server hostname is blank.
			Sample Request body :
			{
			"name": "ntp-server1",
			"hostName": ""
			}
			
			Response code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations" : []
			}
			When NTP server name is blank.
			Sample Request body :
			{
			"name": "",
			"hostName": "ntp1.eng.vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALI
				This API is used to update NTP server **name** for already existing NTP server.

			DATION_API_ERROR0
			000",
			"errorLabel":
			"Request Payload
			does not comply
			with
			constraints.",
			
			"recommendations"
			: []
			}
			409 - Conflict
			
			When NTP server name already exist.
			Sample Request
			body :
			{
			"name": "NTP-
			SERVER1",
			"hostName":
			"ntp2.eng.vmware.
			com"
			}
			
			Response Code :
			409 Conflict
			Response body :
			{
			"status": "",
			"message": "NTP
			server name
			already exist.",
			"errorCode":
			"LCM_SETTINGS_API
			_ERROR0003",
			"errorLabel":
			"Settings data
			already exist.",
			
			"recommendations"
			: []
			}
			404 - Not Found
			When NTP server does not exist.
			Sample Request
			body :
			{	

			"name": "ntp-server3",
			"hostName": "ntp3.eng.vmware.com"
			}
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "NTP server (hostName) does not exist.",
			"errorCode": "LCM_SETTINGS_API_ERROR0002",
			"errorLabel": "Settings data does not exist.",
			
			"recommendations": []
			}	

Delete Product NTP Settings
 	
[Deprecated]
	DELETE	/lcm/lcops/api/v2/settings/ntp-servers
		Request body :
		"ntpConfigurationDTO"
		{
		"name": "ntp-server2",
		"hostName": "ntp1.eng.vmware.com"
		}
		Response code : 200 OK
			400 - Bad Request
			When NTP server hostname is blank.
			Sample Request body :
			{
			"name": "ntp-server1",
			"hostName": ""
			}
			
			Response code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When NTP server name is blank.
			Sample Request body :
			{
			"name": "",
			"hostName": "ntp1.eng.vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "NTP name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALI
				This API is used to delete NTP server by **hostName**.

			DATION_API_ERROR0000",
			  "errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			404 - Not Found
			When NTP server does not exist.
			Sample Request body :
			{
			  "name": "ntp-server3",
			  "hostName": "ntp3.eng.vmware.com"
			}
			
			Response Code : 404 Not Found
			Response body :
			{
			  "status": "",
			  "message": "NTP server (hostName) does not exist.",
			  "errorCode": "LCM_SETTINGS_API_ERROR0002",
			  "errorLabel": "Settings data does not exist.",
			
			"recommendations": []
			}	

Delete Product NTP Settings	DELETE	/lcm/lcops/api/v3/settings/ntp-servers
		Request body :
		ntpHostname : ntp1.eng.vmware.com
		
		Response code : 200 OK
		Response body :
		{
		"name": "ntp-server1",
		"hostName": "ntp1.eng.vmware.com"
		}		

Get Proxy Settings	GET	/lcm/lcops/api/v2/settings/proxies
		Response code : 200 OK
		Response body :
		{
		"proxyEnabled": true,
		"hostName": "10.196.15.121",
		"port": 22,
		"userName": "admin@local",
		"password": "locker:password:5b9d1a8e-49dc-4137-9f8a-b0c2fbb12fe3:VMware1!",
		"proxyEnabledInContentMgmt": false
		}
				This API is used to get the Proxy details.

Save Proxy Settings	POST	/lcm/lcops/api/v2/settings/proxies
		Request body :
		"proxyConfigurationDTO"
		{
		"hostName": "10.196.15.121",
		"password": "VMware1!",
		"port": 0,
		"proxyEnabled": true,
		"proxyEnabledInContentMgmt": true,
		"userName": "admin@local"
		}
		
		Response code : 200 OK
		Response body :
		{
		"proxyEnabled": true,
		"hostName": "10.196.15.121",
		"port": 0,
		"userName": "admin@local",
		"password": "VMware1!",
		"proxyEnabledInContentMgmt": true
		}
			400 - Bad Request
			When Proxy hostname is blank.
			Sample Request body :
			{
			"hostName": "",
			"password": "VMware1!",
			"port": 0,
			"proxyEnabled": true,
			
			"proxyEnabledInContentMgmt": true,
			"userName": "admin@local"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "Proxy hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
				This API is used to save the Proxy details.

Update Proxy Settings	PUT	/lcm/lcops/api/v2/settings/proxies
		Request body :
		"proxyConfigurationDTO"
		{
		"hostName": "10.196.15.96",
		"password": "VMware1!",
		"port": 0,
		"proxyEnabled": true,
		"proxyEnabledInContentMgmt": true,
		"userName": "admin@local"
		}
		
		Response code : 200 OK
			400 - Bad Request
			When Proxy hostname is blank.
			Sample Request body :
			{
			"hostName": "",
			"password": "VMware1!",
			"port": 0,
			"proxyEnabled": true,
			
			"proxyEnabledInContentMgmt": true,
			"userName": "admin@local"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "Proxy hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
				This API is used to update the proxy details.

Get Product SNMP Settings	GET	/lcm/lcops/api/v2/settings/snmp
		Response code : 200 OK
		Response body :
		[
		{
		"snmpName": "snmp1",
		"snmpVersion": "v2c",
		"communityString": "test",
		"username": null,
		"contextName": null,
		"authType": null,
		"authPassword": null,
		"privacyType": null,
		"privacyPassword": null
		},
		{
		"snmpName": "snmp2",
		"snmpVersion": "v2c",
		"communityString": "test",
		"username": null,
		"contextName": null,
		"authType": null,
		"authPassword": null,
		"privacyType": null,
		"privacyPassword": null
		}
		]
				This API is used to get the all SNMP details.

Save Product SNMP Settings	POST	/lcm/lcops/api/v2/settings/snmp
		Request body :
		"snmpConfigurationDTO"
		{
		"snmpName": "snmp2",
		"snmpVersion": "v2c",
		"communityString": "test",
		"username": null,
		"contextName": null,
		"authType": null,
		"authPassword": null,
		"privacyType": null,
		"privacyPassword": null
		}
		
		Response code : 200 OK
		Response body :
		{
		"snmpName": "snmp2",
		"snmpVersion": "v2c",
		"communityString": "test",
		"username": null,
		"contextName": null,
		"authType": null,
		"authPassword": null,
		"privacyType": null,
		"privacyPassword": null
		}
			400 - Bad Request
			When SNMP name is blank.
			Sample Request body :
			{
			"snmpName": "",
			
			"snmpVersion": "v2c",
			
			"communityString": "test",
			"username": null,
			
			"contextName": null,
			"authType": null,
			
			"authPassword": null,
			
			"privacyType": null,
			
			"privacyPassword": null
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "SNMP name cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When SNMP version is blank.
				This API is used to add a SNMP configuration.

			Sample Request body :
			{
			"snmpName": "snmp2",
			"snmpVersion": "",
			
			"communityString": "test",
			"username": null,
			"contextName": null,
			"authType": null,
			"authPassword": null,
			"privacyType": null,
			
			"privacyPassword": null
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "SNMP version cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When Community String is blank.
			Sample Request body :
			{
			"snmpName": "snmp2",	

			"snmpVersion": "v2c",
			
			"communityString": "",
			"username": null,
			"contextName": null,
			"authType": null,
			"authPassword": null,
			"privacyType": null,
			
			"privacyPassword": null
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "Community String cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}	

Update Product SNMP Settings	PUT	/lcm/lcops/api/v2/settings/snmp
		Request body :
		"snmpConfigurationDTO"
		{
		"snmpName": "snmp2",
		"snmpVersion": "v2c",
		"communityString": "test-3",
		"username": null,
		"contextName": null,
		"authType": null,
		"authPassword": null,
		"privacyType": null,
		"privacyPassword": null
		}
		
		Response code : 200 OK
				This API is used to update community string and other details.

Delete Product SNMP Settings	DELETE	/lcm/lcops/api/v2/settings/snmp/{snmpName}
		Request parameter :
		snmpName : snmp2
		
		Response code : 200 OK
		Response body :
		{
		"snmpName": "snmp2",
		"snmpVersion": "v2c",
		"communityString": "test-3",
		"username": null,
		"contextName": null,
		"authType": null,
		"authPassword": null,
		"privacyType": null,
		"privacyPassword": null
		}
				This API is used to delete a SNMP entry by SNMP name.

Get Log Insight Agent Settings	GET	/lcm/lcops/api/v2/settings/log-insight-agent
		Response code : 200 OK
		Response body :
		{
		"hostName": "lcm-57-85.sqa.local",
		"portNumber": "9543",
		"protocol": "CFAPI",
		"sslEnabled": true,
		"bundleFilePath": "",
		"sslTrustAcceptAny": true,
		"sslTrustAcceptTrusted": true,
		"sslCommonName": "",
		"reconnect": "30",
		"maxBufferSize": "2000"
		}
				This API is used to fetch the **Log Insight Agent** details saved for vRSLCM.

Save Log Insight Agent Settings	POST	/lcm/lcops/api/v2/settings/log-insight-agent
		Request body :
		"logInsightAgentConfigurationDTO"
		{
		"hostName": "lcm-57-85.sqa.local",
		"portNumber": "9543",
		"protocol": "CFAPI",
		"sslEnabled": true,
		"bundleFilePath": "",
		"sslTrustAcceptAny": true,
		"sslTrustAcceptTrusted": true,
		"sslCommonName": "",
		"reconnect": "30",
		"maxBufferSize": "2000"
		}
		
		Response code : 200 OK
		Response body :
		{
		"hostName": "lcm-57-85.sqa.local",
		"portNumber": "9543",
		"protocol": "CFAPI",
		"sslEnabled": true,
		"bundleFilePath": "",
		"sslTrustAcceptAny": true,
		"sslTrustAcceptTrusted": true,
		"sslCommonName": "",
		"reconnect": "30",
		"maxBufferSize": "2000"
		}
			400 - Bad Request **When LogInsight server hostname provided is blank.**
			Sample Request body :
			{
			"hostName": "",
			"portNumber": "9543",
			"protocol": "CFAPI",
			"sslEnabled": true,
			
			"bundleFilePath": "",
			
			"sslTrustAcceptAny": true,
			
			"sslTrustAcceptTrusted": true,
			
			"sslCommonName": "",
			"reconnect": "30",
			
			"maxBufferSize": "2000"
			}
			
			Response code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "LogInsight server hostname cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
				This API is used to save **Log Insight Agent** details for vRSLCM, which is used to collect events from log files and forwards them to a **vRealize Log Insight server**.
				
				• Note : Default values of **reconnect** and **maxBuffer Size** are **30** and **2000** respectively.

			}
			When LogInsight server protocol is blank.
			Sample Request body :
			{
			"hostName": "lcm-57-85.sqa.local",
			"portNumber": "9543",
			"protocol": "",
			"sslEnabled": true,
			
			"bundleFilePath": "",
			
			"sslTrustAcceptAny": true,
			
			"sslTrustAcceptTrusted": true,
			
			"sslCommonName": "",
			"reconnect": "30",
			
			"maxBufferSize": "2000"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "LogInsight server protocol cannot be blank.",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",	

			"recommendations" : [] }	

Save SMTP Settings	POST	lcm/lcops/api/v2/settings/smtp
		Request body :
		
		{
		"authenticationRequired": true,
		"encryptionType": "NONE",
		"fromEmail": "vmware@noreply.com",
		"password": "password",
		"smtpEncryptionPort": "25",
		"smtpHostName":
		"smtp.office365.com",
		"userName":
		"myvmwareaccount@vmware.com"
		}
		
		Response code : 200 OK
		Response body :
		
		{
		"smtpHostName":
		"smtp.office365.com",
		"smtpEncryptionPort": "25",
		"authenticationRequired": true,
		"userName":
		"myvmwareaccount@vmware.com",
		"password":
		"locker:password:21c6bd20-fc92-4a09-b09b-bf4c3fdcf671:smtp-cbceb2b2-fb0c-41fb-9025-d69c1047c73a",
		"encryptionType": "NONE",
		"fromEmail": "vmware@noreply.com"
		}
			400 - Bad Request
			Sample Request body :
			
			{
			
			"authenticationRequired": true,
			
			"encryptionType": "NONE",
			"fromEmail": "string",
			"password": "string",
			
			"smtpEncryptionPort": "587/465",
			"smtpHostName": "",
			"userName": "myvmwareaccount@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body:
			
			{
			"status": "",
			"message": "SMTP Host Name cannot be blank",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
				This API is used to add a SMTP configuration.

Get SMTP Settings	GET	lcm/lcops/api/v2/settings/smtp
		Response code : 200 OK
		Response body :
		
		{
		"smtpHostName": "smtp.vmware.com",
		"smtpEncryptionPort": "25",
		"authenticationRequired": false,
		"userName": "",
		"password": "",
		"encryptionType": "NONE",
		"fromEmail": "vmware@noreply.com"
		}
				This API is used to get a SMTP configuration.

Update SMTP Settings	PUT	lcm/lcops/api/v2/settings/smtp
		Request body:
		
		{
		"authenticationRequired": false,
		"encryptionType": "NONE",
		"fromEmail": "string",
		"password": "string",
		"smtpEncryptionPort": "25",
		"smtpHostName": "smtp.office365.com",
		"userName": "myvmwareaccount@vmware.com"
		}
		
		Response code : 200 OK
		Response body :
		
		{
		"smtpHostName": "smtp.office365.com",
		"smtpEncryptionPort": "25",
		"authenticationRequired": false,
		"userName": "myvmwareaccount@vmware.com",
		"password": "locker:password:dd0bd705-bdc1-4fcc-b101-c350752efac7:smtp-14eccf69-d974-4762-848f-a87a46762859",
		"encryptionType": "NONE",
		"fromEmail": "string"
		}
				This API is used to update SMTP configuration.

Get outbound notifications settings	GET	lcm/lcops/api/v2/settings/globalSetting
		Response code : 200 OK
		Response body :
		{
		"integrationName": "OutboundIntegration",
		"emailRecipients": [],
		"webhookRecipients": [
		"https://hooks.slack.com/services/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"
		],
		"properties": {
		"notificationTriggers": {
		"productUpdates": {
		"enableAll": true,
		"properties": [
		"updates",
		"patches",
		"supportPacks"
		]
		},
		"licenses": {
		"enableAll": true,
		"properties": []
		},
		"certificates": {
		"enableAll": true,
		"properties": []
		},
		"environmentHealth": {
		"enableAll": true,
		"properties": []
		},
		"other": {
		"enableAll": true,
		"properties": []
		}
		}
		},
		"description": null,
		"notificationFrequency": "DAILY"
		}
				This API is used to get outbound notification configuration.

Save outbound notifications settings	POST	lcm/lcops/api/v2/settings/globalSetting
		Request body:
		
		{
		"integrationName": "Integration",
		"emailRecipients": [],
		"webhookRecipients": [
		
		"https://hooks.slack.com/services/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"
		],
		"properties": {
		"notificationTriggers": {
		"productUpdates": {
		"enableAll": true,
		"properties": [
		"updates",
		"patches",
		"supportPacks"
		]
		},
		"licenses": {
		"enableAll": true,
		"properties": []
		},
		"certificates": {
		"enableAll": true,
		"properties": []
		},
		"environmentHealth": {
		"enableAll": true,
		"properties": []
		},
		"other": {
		"enableAll": true,
		"properties": []
		}
		}
		},
		"description": null,
		"notificationFrequency": "DAILY"
		}
		
		Response code : 200 OK
		Response body :
		
		"integrationName": "Integration",
		"emailRecipients": [],
		"webhookRecipients": [
		
		"https://hooks.slack.com/services/T
				This API is used to save outbound notifications configuration.

```
024JFTN4/B023XJ7K15E/Rlol4guno1YXGz
qJBs6yKphd"
  ],
  "properties": {
    "notificationTriggers": {
      "productUpdates": {
        "enableAll": true,
        "properties": [
          "updates",
          "patches",
          "supportPacks"
        ]
      },
      "licenses": {
        "enableAll": true,
        "properties": []
      },
      "certificates": {
        "enableAll": true,
        "properties": []
      },
      "environmentHealth": {
        "enableAll": true,
        "properties": []
      },
      "other": {
        "enableAll": true,
        "properties": []
      }
    }
  },
  "description": null,
  "notificationFrequency": "DAILY"
}
```

Update outbound notifications settings	PUT	lcm/lcops/api/v2/settings/globalSetting
		Request body:
		
		{
		"integrationName": "Integration",
		"emailRecipients": [],
		"webhookRecipients": [
		
		"https://hooks.slack.com/services/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"
		],
		"properties": {
		"notificationTriggers": {
		"productUpdates": {
		"enableAll": true,
		"properties": [
		"updates",
		"patches",
		"supportPacks"
		]
		},
		"licenses": {
		"enableAll": true,
		"properties": []
		},
		"certificates": {
		"enableAll": true,
		"properties": []
		},
		"other": {
		"enableAll": true,
		"properties": []
		}
		}
		},
		"description": null,
		"notificationFrequency": "DAILY"
		}
		
		Response code : 200 OK
		Response body :
		
		{
		"integrationName": "Integration",
		"emailRecipients": [],
		"webhookRecipients": [
		
		"https://hooks.slack.com/services/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"
		],
		"properties": {
				This API is used to update outbound notifications configuration.

		"notificationTriggers": {
		"productUpdates": {
		"enableAll": true,
		"properties": [
		"updates",
		"patches",
		"supportPacks"
		]
		},
		"licenses": {
		"enableAll": true,
		"properties": []
		},
		"certificates": {
		"enableAll": true,
		"properties": []
		},
		"other": {
		"enableAll": true,
		"properties": []
		}
		}
		},
		"description": null,
		"notificationFrequency": "DAILY"
		}		

Send test email to verify SMTP settings	GET	lcm/lcops/api/v2/testEmail/{toEmail}
		Request parameter :
		toEmail : test@vmware.com
		
		Response code : 200 OK
		Response body :
		
		{
		"vmid": "5bdab51a-07a1-4b97-875b-5d4ffed31ffe",
		"transactionId": null,
		"message": "Email sent successfully",
		"identifier": null,
		"type": "SUCCESS"
		}
				This API is used to send test email to verify SMTP configurations.

Health Operation APIs

Name	HTTP Method	Endpoint

Check vRSLCM Health Status	GET	/lcm/health/api/v2/status
		Response code : 200 OK
		Response body :
		{
		"bootstrap": "UP",
		"postgres": "UP",
		"blackstone": "UP",
		"vrlcm-server": "UP"
		}

Pre-Validation Report Operation APIs

Name	HTTP Method	Endpoint

Get Pre-Validation Report by ID	GET	/lcm/request/api/v2/requests/{requestId}/pre-validation-report Request parameter : RequestId : d74db999-ac5f-4598-b7a2-f1452fa7620d Response code : 200 OK Response body : { "rootValidations": [{ "id": null, "checkName": "Infrastructure Validations", "checkType": null, "status": "PASSED", "recommendations": null, "resultDescription": null, "elementType": "GROUP", "childElements": [{ "id": null, "checkName": "Vcenter Validations", "checkType": null, "status": "PASSED", "recommendations": null, "resultDescription": null, "elementType": "GROUP", "childElements": [{ "id": null, "checkName": "lcm-vc.sqa.local", "checkType": null, "status": "PASSED", "recommendations": null, "resultDescription": null, "elementType": "RESOURCE", "childElements": [{ "id": null, "checkName": "Check credentials for the given vCenter.", "checkType": "ERROR", "status": "PASSED", "recommendations": null,

"resultDescription": "Check if correct credentials have been provided for the given vCenter.",
"elementType": "CHECK",
"childElements": null
}
]
}
]
},
{
"id": null,
"checkName": "Cluster Validations",
"checkType": null,
"status": "PASSED",
"recommendations": null,
"resultDescription": null,
"elementType": "GROUP",
"childElements": [
{
"id": null,
"checkName": "LCM-DC#LCM-Cluster-01",
"checkType": null,
"status": "PASSED",
"recommendations": null,
"resultDescription": null,
"elementType": "RESOURCE",
"childElements": [
{
"id": null,
"checkName": "Existence check for a cluster in the given vCenter and data center.",
"checkType": "ERROR",
"status": "PASSED",
"recommendations": null,
"resultDescription": "Check if the given cluster is existing in the vCenter and data center.",
"elementType": "CHECK",
"childElements": null
},

```
                {
                  "id": null,
                  "checkName":
"Admin role permission check for the
cluster in the given vCenter and
data center.",
                  "checkType":
"WARNING",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "Check if the
admin role permissions are available
on the resources selected in the
given vCenter and data center.",
                  "elementType":
"CHECK",
                  "childElements":
null
                },
                {
                  "id": null,
                  "checkName":
"Firewall check on all the hosts.",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "Check if port
443 is accessible on all the ESXi
hosts in the cluster from LCM va",
                  "elementType":
"CHECK",
                  "childElements":
null
                }
              ]
            }
          ]
        },
        {
          "id": null,
          "checkName": "Datastore
Validations",
          "checkType": null,
          "status": "PASSED",
          "recommendations": null,
          "resultDescription": null,
          "elementType": "GROUP",
          "childElements": [
            {
```

```
              "id": null,
              "checkName": "[vc=lcm-
vc.sqa.local, cluster=LCM-DC#LCM-
Cluster-01, datastore=FC-5TB-new]",
              "checkType": null,
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
null,
              "elementType":
"RESOURCE",
              "childElements": [
                {
                  "id": null,
                  "checkName":
"Accessibility check for datastore
in the given vCenter, data center
and cluster.",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "Check if the
datastore is accessible and active
in the given vCenter, data center
and cluster.",
                  "elementType":
"CHECK",
                  "childElements":
null
                },
                {
                  "id": null,
                  "checkName": "Disk
Space availability check for
Datastore in given vCenter, data
center and cluster.",
                  "checkType":
"WARNING",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "Check if there
is enough disk space available on
datastore. If the datastore is part
of a datastore cluster and storage
DRS is set to fully automated,
validate the overall space
availability.",
```

```
                    "elementType":
"CHECK",
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName":
"Existence check for datastore in
the given vCenter, data center and
cluster.",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Check if the
datastore exists in the given
vCenter, data center and cluster.",
                    "elementType":
"CHECK",
                    "childElements":
null
                  }
                ]
              }
            ]
          },
          {
            "id": null,
            "checkName": "Network
Validations",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": "GROUP",
            "childElements": [
              {
                "id": null,
                "checkName": "infra-
traffic-1006",
                "checkType": null,
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
null,
                "elementType":
"RESOURCE",
                "childElements": [
                  {
                    "id": null,
```

```
                    "checkName":
"Available free port check for port
group in the given vCenter, data
center and cluster.",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Check if free
port is available in the given
vCenter, data center and cluster.",
                    "elementType":
"CHECK",
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName":
"Existence check for network in the
given vCenter, data center and
cluster.",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Check if
network exists in the given vCenter,
data center and cluster.",
                    "elementType":
"CHECK",
                    "childElements":
null
                  }
                ]
              }
            ]
          },
          {
            "id": null,
            "checkName": "Virtual
Machine Validations",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": "GROUP",
            "childElements": [
              {
                "id": null,
```

```
              "checkName": "vidm-
primary-kbolaj251",
              "checkType": null,
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
null,
              "elementType":
"RESOURCE",
              "childElements": [
                {
                  "id": null,
                  "checkName": "VM
name conflict check in the given
vCenter and cluster.",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "Check if the
VM name is not conflicting in the
given vCenter and cluster/folder.",
                  "elementType":
"CHECK",
                  "childElements":
null
                },
                {
                  "id": null,
                  "checkName": "Host
name conflict check for the virtual
machine.",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "Check if host
name is not conflicting with any
virtual machine.",
                  "elementType":
"CHECK",
                  "childElements":
null
                },
                {
                  "id": null,
                  "checkName": "IP
Address conflict check for the
virtual machine.",
```

```
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Check if IP
address is not conflicting with any
virtual machine.",
                    "elementType":
"CHECK",
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName": "IP
address resolvability check.",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "IP address
'10.198.34.251' is resolved.",
                    "elementType":
"CHECK",
                    "childElements":
null
                  }
                ]
              }
            ]
          },
          {
            "id": null,
            "checkName": "DNS Server
Validations",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": "GROUP",
            "childElements": [
              {
                "id": null,
                "checkName": "DNS
server reachability check.",
                "checkType":
"WARNING",
                "status": "PASSED",
                "recommendations":
null,
```

```
                "resultDescription":
"DNS Server '10.118.183.252' is
reachable.",
                "elementType":
"CHECK",
                "childElements": null
              },
              {
                "id": null,
                "checkName": "DNS
server reachability check.",
                "checkType":
"WARNING",
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
"DNS Server '10.141.66.213' is
reachable.",
                "elementType":
"CHECK",
                "childElements": null
              }
            ]
          },
          {
            "id": null,
            "checkName": "Network
Gateway Validations",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": "GROUP",
            "childElements": [
              {
                "id": null,
                "checkName": "Network
Gateway reachability check.",
                "checkType": "ERROR",
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
"Network Gateway '10.198.35.253' is
reachable.",
                "elementType":
"CHECK",
                "childElements": null
              }
            ]
          },
          {
            "id": null,
            "checkName": "Content
Library Item Validations",
```

```
          "checkType": null,
          "status": "PASSED",
          "recommendations": null,
          "resultDescription": null,
          "elementType": "GROUP",
          "childElements": []
        }
      ]
    },
    {
      "id": null,
      "checkName": "Data
validation",
      "checkType": null,
      "status": "PASSED",
      "recommendations": null,
      "resultDescription": null,
      "elementType": "GROUP",
      "childElements": [
        {
          "id": null,
          "checkName": "Input
schema",
          "checkType": null,
          "status": "PASSED",
          "recommendations": null,
          "resultDescription": null,
          "elementType": null,
          "childElements": [
            {
              "id": null,
              "checkName": "Input
schema validation",
              "checkType": "ERROR",
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
"Success. all the schema validations
passed",
              "elementType": null,
              "childElements": null
            }
          ]
        },
        {
          "id": null,
          "checkName": "Input
format",
          "checkType": null,
          "status": "PASSED",
          "recommendations": null,
          "resultDescription": null,
          "elementType": null,
          "childElements": [
            {
```

```
                "id": null,
                "checkName": "Input
format",
                "checkType": "ERROR",
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
"Success. all the format validations
passed",
                "elementType": null,
                "childElements": null
              }
            ]
          },
          {
            "id": null,
            "checkName": "Component
Property validation",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": null,
            "childElements": [
              {
                "id": null,
                "checkName":
"Duplicate Component property
check",
                "checkType": "ERROR",
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
"Success. Component property check
passed",
                "elementType": null,
                "childElements": null
              }
            ]
          },
          {
            "id": null,
            "checkName": "Certificate
Validation",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": null,
            "childElements": [
              {
                "id": null,
                "checkName":
"Certificate validation for
```

```
component vidm:vidm-primary-
kbolaj251",
              "checkType": "ERROR",
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
"Success. All the certificate
validation passed",
              "elementType": null,
              "childElements": null
            },
            {
              "id": null,
              "checkName":
"Certificate key length validation
for vIDM",
              "checkType": "ERROR",
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
"Provided certificate private key
length is valid for vIDM",
              "elementType": null,
              "childElements": null
            }
          ]
        },
        {
          "id": null,
          "checkName": "GENERIC",
          "checkType": null,
          "status": "PASSED",
          "recommendations": null,
          "resultDescription": null,
          "elementType": null,
          "childElements": [
            {
              "id": null,
              "checkName":
"Environment validation",
              "checkType": null,
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
null,
              "elementType": null,
              "childElements": [
                {
                  "id": null,
                  "checkName":
"Environment name check",
                  "checkType":
"ERROR",
```

```
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Environment
name is valid.",
                    "elementType":
null,
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName":
"Datacenter check",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Provided
Datacenter exists.",
                    "elementType":
null,
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName":
"vCenter name check",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "vCenter given
exists.",
                    "elementType":
null,
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName":
"vCenter data collection check",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
```

```
                    "recommendations":
null,

"resultDescription": "vCenter data
collection is completed",
                    "elementType":
null,
                    "childElements":
null
                  }
                ]
              },
              {
                "id": null,
                "checkName": "Source
mappings validation",
                "checkType": null,
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
null,
                "elementType": null,
                "childElements": [
                  {
                    "id": null,
                    "checkName":
"Source mapping record for a product
check",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Found the
source mapping record for 'vidm
3.3.2 vidminstall'",
                    "elementType":
null,
                    "childElements":
null
                  }
                ]
              },
              {
                "id": null,
                "checkName": "Products
information validation",
                "checkType": null,
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
null,
```

```
                "elementType": null,
                "childElements": [
                  {
                    "id": null,
                    "checkName":
"Product ID validation",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "'vidm' is a
valid/supported product id",
                    "elementType":
null,
                    "childElements":
null
                  },
                  {
                    "id": null,
                    "checkName":
"Product version validation",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "'3.3.2' is a
valid/supported version of product
id 'vidm'",
                    "elementType":
null,
                    "childElements":
null
                  }
                ]
              },
              {
                "id": null,
                "checkName": "Source
mappings validation",
                "checkType": null,
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
null,
                "elementType": null,
                "childElements": [
                  {
                    "id": null,
```

```
                    "checkName":
"Source mapping record for a product
check",
                    "checkType":
"ERROR",
                    "status":
"PASSED",
                    "recommendations":
null,

"resultDescription": "Found the
source mapping record for 'vidm
3.3.2 vidminstall'",
                    "elementType":
null,
                    "childElements":
null
                  }
                ]
              }
            ]
          }
        ]
      },
      {
        "id": null,
        "checkName": "VMware Identity
Manager Validations",
        "checkType": "ERROR",
        "status": "PASSED",
        "recommendations": null,
        "resultDescription": null,
        "elementType": "GROUP",
        "childElements": [
          {
            "id": null,
            "checkName": "Product
level Validations",
            "checkType": null,
            "status": "PASSED",
            "recommendations": null,
            "resultDescription": null,
            "elementType": "GROUP",
            "childElements": [
              {
                "id": null,
                "checkName": "lcm-15-
55.eng.vmware.com",
                "checkType": null,
                "status": "PASSED",
                "recommendations":
null,
                "resultDescription":
null,
                "elementType":
"RESOURCE",
```

```
              "childElements": [
                {
                  "id": null,
                  "checkName":
"vRSLCM FQDN validation for
hostname",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "vRSLCM
hostname - ' lcm-15-
55.eng.vmware.com ' provided is
Fully Qualified Domain Name(FQDN)",
                  "elementType":
"CHECK",
                  "childElements":
null
                }
              ]
            },
            {
              "id": null,
              "checkName":
"10.198.34.251",
              "checkType": null,
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
null,
              "elementType":
"RESOURCE",
              "childElements": [
                {
                  "id": null,
                  "checkName": "IP
Address reachability check.",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "IP address
'10.198.34.251' is not reachable.",
                  "elementType":
"CHECK",
                  "childElements":
null
                },
                {
```

```
                  "id": null,
                  "checkName": "IP
address resolvability check.",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "IP address
'10.198.34.251' is resolved.",
                  "elementType":
"CHECK",
                  "childElements":
null
                }
              ]
            },
            {
              "id": null,
              "checkName": "lcm-34-
251.sqa.local",
              "checkType": null,
              "status": "PASSED",
              "recommendations":
null,
              "resultDescription":
null,
              "elementType":
"RESOURCE",
              "childElements": [
                {
                  "id": null,
                  "checkName": "vIDM
FQDN validation for hostname",
                  "checkType":
"ERROR",
                  "status":
"PASSED",
                  "recommendations":
null,

"resultDescription": "vIDM hostname
lcm-34-251.sqa.local provided is
Fully Qualified Domain Name(FQDN)",
                  "elementType":
"CHECK",
                  "childElements":
null
                },
                {
                  "id": null,
                  "checkName":
"Hostname resolvability check.",
```

		"checkType": "ERROR", "status": "PASSED", "recommendations": null, "resultDescription": "Host name 'lcm-34-251.sqa.local' is resolved.", "elementType": "CHECK", "childElements": null }] }] }] }], "manualValidations": null, "overallStatus": true, "requestState": "COMPLETED", "lastUpdateTimeMillis": 1595919777550, "startTimeMillis": 0, "requestId": null }

Security Operation APIs

Name	HTTP Method	Endpoint	Description
Get FIPS status for vRSLCM appliance and services	GET	/lcm/locker/api/security/fips Response code : 200 OK Response body : { "enabled": false, "state": "DISABLED", "description": "FIPS mode is disabled for vRLSLCM appliance and services.", "request": null }	Response will be based on whether the FIPS state is enabled or disabled.

Set FIPS status for vRSLCM appliance and services	POST	/lcm/locker/api/security/fips
		Request body :
		{
		"description": "string",
		"enabled": true,
		"request": {
		"requestId": "string"
		},
		"state": "ENABLED"
		}
		
		Response code : 200 OK
		Response body:
		{
		"enabled": false,
		"state": "CHANGING",
		"description": "Enabling FIPS mode for vRSLCM appliance and services.",
		"request": {
		"requestId": "1d23b8c3-1b0a-4a7b-b97a-e1ede860bfd5"
		}
		}
			Here in request body, the value of field "**enabled**" will be **true** to enable FIPS and **false** to disable FIPS

User & Group Management Authentication APIs

Authentication Provider Login Operation APIs

Name	HTTP Method	Endpoint	Error response code	Description

Reset Authentication Provider in vRSLCM	POST	/lcm/authzn/api/v2/re-register/auth-provider
		Response code : 200 OK
		Response body :
		{
		"vmid": "53ab05f3-fbd7-4f70-be4c-b1918cf807a9",
		"transactionId": null,
		"requestName": "setauthprovider",
		"requestReason": "Set Authentication Provider for vRSLCM",
		"requestType": "Set Authentication Provider for vRSLCM",
		"requestSource": null,
		"requestSourceType": "user",
		"inputMap": {
		"environmentId": "globalenvironment",
		"environmentName": "globalenvironment"
		},
		"outputMap": {},
		"state": "CREATED",
		"executionId": null,
		"executionPath": null,
		"executionStatus": null,
		"errorCause": null,
		"resultSet": null,
		"isCancelEnabled": null,
		"lastUpdatedOn": 1595910744828,
		"createdBy": null
		}
				This API is used to reset the Authentication provider in vRSLCM.
				
				Make sure **globalenvironment** is present in vRSLCM.

Updates vRSLCM FQDN on the Authentication Provider vIDM	POST	/lcm/authzn/api/v2/update/vrlcm-host-with-provider
		Request body : "authProviderUpdLcmHostReqDTO"
		{
		"lcmCatalogAppName": "vRSLCM",
		"lcmHostUri": "https://lcm-15-55.eng.vmware.com",
		"lcmHostname": "lcm-15-55.eng.vmware.com"
		}
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "89af2a3f-f4e7-4c50-9d6b-5dbc73ff956d",
		"transactionId": null,
		"requestName": "updateauthproviderwithlcmhost",
		"requestReason": "Update Auth provider with LCM hostname",
		"requestType": "Update Auth provider with LCM hostname",
		"requestSource": null,
		"requestSourceType": "user",
		"inputMap": {
		
		"authProviderUpdLcmHostReqDTO": "{\"lcmHostname\":\"lcm-15-55.eng.vmware.com\",\"lcmHostUri\":\"https://lcm-15-55.eng.vmware.com\",\"lcmCatalogAppName\":\"vRSLCM\"}"
		},
		"outputMap": {},
		"state": "CREATED",
		"executionId": null,
		"executionPath": null,
		"executionStatus": null,
		"errorCause": null,
		"resultSet": null,
		"isCancelEnabled": null,
		"lastUpdatedOn": 1595911080182,
		"createdBy": null
		}
			400 - Bad Request
			When lcmHostname is blank.
			Sample Request body :
			{
			
			"lcmCatalogAppName": "vRSLCM",
			"lcmHostUri": "https://lcm-15-55.eng.vmware.com",
			"lcmHostname": ""
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			"status": "",
			"message": "lcmHostname should not be null or empty",
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			"errorLabel": "Request Payload does not comply with constraints.",
			"recommendations": []
			}
				This API updates vRSLCM FQDN on the Authentication provider which is vIDM.
				
				"**lcmCatalogAppName**" can hold any customized name and is optional.

Authentication User Operation APIs

Name	HTTP Method	Endpoint	Error Response codes	Description

Get all Provider mapped Users	GET	/lcm/authzn/api/v2/users/provider
		Response code : 200 OK
		Response body :
		[
		{
		"vmid": "3eef09c1-ae69-4f20-ba97-07f607227b13",
		"username": "lcmuser1",
		"password": null,
		"userType": "VIDM_AD_USER",
		"displayName": "lcm user1",
		"providerIdentifier": "3d6701ea-0c5b-43e7-871c-468947e86618",
		"domain": "sqa.local",
		"isDisabled": false,
		"userPrincipalName": null,
		"userMetadata": {
		"distinguishedName": null,
		"externalId": "764195c6-5504-4f56-8c34-b372d47f5176",
		"emails": [],
		"additionalMeta": [],
		"givenName": "lcm",
		"familyName": "user1"
		},
		"roleMappings": [
		{
		"vmid": "b6c2101c-9ae4-43d0-a361-0abaf749358b",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		}
		]
		},
		{
		"vmid": "0b94b26a-76f7-4dba-ad70-586fdc091d36",
		"username": "lcmuser2",
		"password": null,
		"userType": "VIDM_AD_USER",
		"displayName": "lcm user2",
		"providerIdentifier": "3e6ddf37-113b-41f6-81b4-78040643e1f7",
		"domain": "sqa.local",
		"isDisabled": false,
		"userPrincipalName": null,
		"userMetadata": {
		"distinguishedName": null,
		"externalId": "d7fb8bba-9cf3-4641-8c4a-6ee343760c67",
		"emails": [],
		"additionalMeta": [],
		"givenName": "lcm",
		"familyName": "user2"
		},
		"roleMappings": [
		{
		"vmid": "13b6425f-eba9-4d81-a047-f14d094c0719",
		"roleName": "LCM Cloud Admin",
			404 - Not Found **When provider mapped users does not exists.**
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "Provider mapped users not found",
			"errorCode": "LCM_AUTHN_USER_API_ERROR0001",
			"errorLabel": "User does not exist.",
			"recommendations": []
			}
				This API is used to fetch all provider mapped users.
				
				Make sure to create users and have corresponding role mappings bef

```
        "roleDescription": "vRealize Lifecycle Manager
Cloud Admin"
      }
    ]
  },
  {
    "vmid": "c7de73e8-98db-49b8-bf2c-e4b41d7b41d5",
    "username": "lcmuser3",
    "password": null,
    "userType": "VIDM_AD_USER",
    "displayName": "lcm user3",
    "providerIdentifier": "dcf3bef0-c9b8-4a20-a967-
1f154a32114b",
    "domain": "sqa.local",
    "isDisabled": false,
    "userPrincipalName": null,
    "userMetadata": {
      "distinguishedName": null,
      "externalId": "ff36f00a-b31f-4246-9067-
998717debfb5",
      "emails": [],
      "additionalMeta": [],
      "givenName": "lcm",
      "familyName": "user3"
    },
    "roleMappings": [
      {
        "vmid": "20d4724c-05ec-4bcc-9efc-fc37a4f5167e",
        "roleName": "Content Developer",
        "roleDescription": "Content developer"
      }
    ]
  },
  {
    "vmid": "3142c11b-ec9c-49fe-9891-62793a8c803a",
    "username": "lcmuser4",
    "password": null,
    "userType": "VIDM_AD_USER",
    "displayName": "lcm user4",
    "providerIdentifier": "59f5962e-be39-4127-b9b7-
c1da0d4c1f83",
    "domain": "sqa.local",
    "isDisabled": false,
    "userPrincipalName": null,
    "userMetadata": {
      "distinguishedName": null,
      "externalId": "980af856-9588-4eac-a9ab-
1207e902cfdf",
      "emails": [],
      "additionalMeta": [],
      "givenName": "lcm",
      "familyName": "user4"
    },
    "roleMappings": [
      {
        "vmid": "3a21cf8f-71ac-49a7-bf3c-cda0232f5676",
```


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```
        "roleName": "LCM Admin",
        "roleDescription": "vRealize Lifecycle Manager
Administrator"
      }
    ]
  },
  {
    "vmid": "8f4b8604-65e6-403d-9e2a-4a10d76a3f52",
    "username": "lcmuser5",
    "password": null,
    "userType": "VIDM_AD_USER",
    "displayName": "lcm user5",
    "providerIdentifier": "83a65f82-9992-4639-98e3-
1fbfae2f2d99",
    "domain": "sqa.local",
    "isDisabled": false,
    "userPrincipalName": null,
    "userMetadata": {
      "distinguishedName": null,
      "externalId": "42575b1e-b6e4-4a82-a1d3-
51ca20d9227d",
      "emails": [],
      "additionalMeta": [],
      "givenName": "lcm",
      "familyName": "user5"
    },
    "roleMappings": [
      {
        "vmid": "b6c2101c-9ae4-43d0-a361-0abaf749358b",
        "roleName": "Content Release Manager",
        "roleDescription": "Content Release Manager"
      },
      {
        "vmid": "13b6425f-eba9-4d81-a047-f14d094c0719",
        "roleName": "LCM Cloud Admin",
        "roleDescription": "vRealize Lifecycle Manager
Cloud Admin"
      },
      {
        "vmid": "20d4724c-05ec-4bcc-9efc-fc37a4f5167e",
        "roleName": "Content Developer",
        "roleDescription": "Content developer"
      },
      {
        "vmid": "3a21cf8f-71ac-49a7-bf3c-cda0232f5676",
        "roleName": "LCM Admin",
        "roleDescription": "vRealize Lifecycle Manager
Administrator"
      }
    ]
  },
  {
    "vmid": "63613ee6-6b0f-49b6-8bf7-5348d7dc5eaa",
    "username": "configadmin",
    "password": null,
    "userType": "VIDM_LOCAL_USER",
```

```
    "displayName": "configadmin configadmin",
    "providerIdentifier": "f960a5dc-e227-4d97-a027-
82ea7da09271",
    "domain": "System Domain",
    "isDisabled": false,
    "userPrincipalName": null,
    "userMetadata": {
      "distinguishedName": null,
      "externalId": null,
      "emails": [
        "vrslcm@vmware.com"
      ],
      "additionalMeta": null,
      "givenName": "configadmin",
      "familyName": "configadmin"
    },
    "roleMappings": [
      {
        "vmid": "13b6425f-eba9-4d81-a047-f14d094c0719",
        "roleName": "LCM Cloud Admin",
        "roleDescription": "vRealize Lifecycle Manager
Cloud Admin"
      }
    ]
  }
]
```

Get a User by User Name and Domain	GET	/lcm/authzn/api/v2/users/name/{userName}/domain/{domain}
		Request parameter :
		username : configadmin
		domain : System Domain
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "c05a9777-f5ec-4a4c-b0ba-cd45f808cddd",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": null,
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"rvishnuvardh@vmware.co"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"roleMappings": [
		{
		"vmid": "bc1db11b-245c-4521-ace0-f4b8f96a205a",
		"roleName": "Certificate Administrator",
		"roleDescription": "Administrator for Certificate operations",
		"authorities": "LOCKER_CERTIFICATE_ADMIN",
		"isInternal": false
		},
		{
		"vmid": "e2854133-51cf-4250-9325-9b9748590b05",
		"roleName": "LCM Cloud Admin",
		"roleDescription": "vRealize Lifecycle Manager Cloud Admin",
		"authorities": "LCM_CLOUD_ADMIN",
		"isInternal": false
		},
		{
		"vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager",
		"authorities": "RELEASE_MANAGER",
		"isInternal": false
		},
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		"roleDescription": "Content developer",
			404 - Not Found **When either userName or Domain is invalid.**
			Request parameter : username : configdomain : System Domain
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "User not found with username : configand domain : System Domain",
			"errorCode": "LCM_AUTHN_USE
				This API is used to fetch a user by userName and Domain.

		"authorities": "CONTENT_DEVELOPER", "isInternal": false }] }	R_API_ERROR0001", "errorLabel": "User does not exist.", "recommendations": [] }	

Get a User by Principal Name and Domain	GET	/lcm/authzn/api/v2/users/name/{username}/domain/{domain}
		Request parameter :
		upn : configadmin_upn
		domain : System Domain
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "c05a9777-f5ec-4a4c-b0ba-cd45f808cddd",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": "configadmin_upn",
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"kbolaj@vmware.com"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"roleMappings": [
		{
		"vmid": "bc1db11b-245c-4521-ace0-f4b8f96a205a",
		"roleName": "Certificate Administrator",
		"roleDescription": "Administrator for Certificate operations"
		},
		{
		"vmid": "e2854133-51cf-4250-9325-9b9748590b05",
		"roleName": "LCM Cloud Admin",
		"roleDescription": "vRealize Lifecycle Manager Cloud Admin"
		},
		{
		"vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		},
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		"roleDescription": "Content developer"
		}
		]
		}
			404 - Not Found **When Principle Name or Domain is invalid.**
			Request parameter : upn : admin@local domain : LCM General
			
			Response code : 404 Not Found Response body :
			{
			"status": "",
			"message": "User not found with principal name : admin@local and domain : LCM Local",
			"errorCode": "LCM_AUTHN_USER_API_E
				This API is used to fetch user details by Principal Name and Domain

			RROR0001", "errorLabel": "User does not exist.", "recommendations": [] }	

Get a User by Provider Identifier	GET	/lcm/authzn/api/v2/users/providers/{providerId}
		Request parameter :
		providerId : 3d6701ea-0c5b-43e7-871c-468947e86618
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "3eef09c1-ae69-4f20-ba97-07f607227b13",
		"username": "lcmuser1",
		"password": null,
		"userType": "VIDM_AD_USER",
		"displayName": "lcm user1",
		"providerIdentifier": "3d6701ea-0c5b-43e7-871c-468947e86618",
		"domain": "sqa.local",
		"isDisabled": false,
		"userPrincipalName": null,
		"userMetadata": {
		"distinguishedName": null,
		"externalId": "764195c6-5504-4f56-8c34-b372d47f5176",
		"emails": [],
		"additionalMeta": [],
		"givenName": "lcm",
		"familyName": "user1"
		},
		"roleMappings": [
		{
		"vmid": "b6c2101c-9ae4-43d0-a361-0abaf749358b",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		}
		]
		}
			404 - Not Found **When invalid Provider ID is provided.**
			Request parameter : providerId : 3d6701ea-0c5b-43e7-871c-468947e86618
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "User not found with provider identifier : 3d6701ea-0c5b-43e7-871c-468947e86618",
			"errorCode": "LCM_AU
				This API is used to get a User by Provider ID.

			THN_USER_API_ERROR0001", "errorLabel": "User does not exist.", "recommendations": ["Please provide valid provider identifier."] }	

Add a User and assign role(s)	POST	/lcm/authzn/api/v2/users
		Request body : "userRequestDTO"
		{
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": "configadmin_upn",
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"kbolaj@vmware.com"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"mappedRoles": [
		"722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"34fb78e1-43ee-4f36-b71a-c68c58d09b43"
		]
		}
		
		Response code : 201 Created
		Response body :
		{
		"vmid": "7c2e877b-f444-4a33-9e9f-ffdfb71ad632",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": "configadmin_upn",
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"kbolaj@vmware.com"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"roleMappings": [
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		"roleDescription": "Content developer"
				This API is used to update add a user and assign roles to it.

		`},`
		`{`
		`"vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",`
		`"roleName": "Content Release Manager",`
		`"roleDescription": "Content Release Manager"`
		`}`
		`]`
		`}`		

Update user role(s) by ID	PUT/ PATCH	/lcm/authzn/api/users/{vmid}
		Request parameter :
		vmid : 7c2e877b-f444-4a33-9e9f-ffdfb71ad632
		
		Request body : "userRequestDTO"
		{
		"vmid": "7c2e877b-f444-4a33-9e9f-ffdfb71ad632",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": "configadmin_upn",
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"kbolaj@vmware.com"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"roleMappings": [
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		"roleDescription": "Content developer"
		},
		{
		"vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		}
		],
		"mappedRoles": [
		"722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		"e2854133-51cf-4250-9325-9b9748590b05",
		"bc1db11b-245c-4521-ace0-f4b8f96a205a"
		]
		}
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "7c2e877b-f444-4a33-9e9f-ffdfb71ad632",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
			404 - Not Found **When user ID is invalid.**
			vmid : 7c2e877b-f444-4a33-9e9f-ffdfb71ad63
			
			Request body : "userRequestDTO"
			{
			
			"vmid": "7c2e877b-f444-4a33-9e9f-ffdfb71ad632",
			
			"username": "configadmin",
			
			"password": null,
			
			"userType": "VIDM_LOCAL_USER",
			
			"displayName": "configadmin configadmin",
			
			"provid
				This API is used to update roles for a user.

```
  "providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
  "domain": "System Domain",
  "isDisabled": false,
  "userPrincipalName": "configadmin_upn",
  "userMetadata": {
    "distinguishedName": null,
    "externalId": null,
    "emails": [
      "kbolaj@vmware.com"
    ],
    "additionalMeta": null,
    "givenName": "configadmin",
    "familyName": "configadmin"
  },
  "roleMappings": [
    {
      "vmid": "bc1db11b-245c-4521-ace0-f4b8f96a205a",
      "roleName": "Certificate Administrator",
      "roleDescription": "Administrator for Certificate operations"
    },
    {
      "vmid": "e2854133-51cf-4250-9325-9b9748590b05",
      "roleName": "LCM Cloud Admin",
      "roleDescription": "vRealize Lifecycle Manager Cloud Admin"
    },
    {
      "vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
      "roleName": "Content Release Manager",
      "roleDescription": "Content Release Manager"
    },
    {
      "vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
      "roleName": "Content Developer",
      "roleDescription": "Content developer"
    }
  ]
}
```


erIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",

"domain": "System Domain",

"isDisabled": false,

"userPrincipalName": "configadmin_upn",

"userMetadata": {

"distinguishedName": null,

"externalId": null,

"emails": [

"kbolaj@vmware.com"

],

"additionalMeta": null,

"givenName":

			"configadmin", "familyName": "configadmin" }, "roleMappings": [{ "vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311", "roleName": "Content Developer", "roleDescription": "Content developer" }, { "vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43", "roleName": "Content	

			Release Manager ", "roleDescription": "Content Release Manager " }], "mappedRoles": ["722c2945-3b69-4e29-8b32-b3d0d37ee311", "34fb78e1-43ee-4f36-b71a-c68c58d09b43", "e2854133-51cf-4250-9325-9b9748590b05", "bc1db11b-245c-4521-ace0-f4b8f96a205a"] } Response Code	

			: 404 Not Found Response body : { "status": "", "message": "User with id 7c2e877b-f444-4a33-9e9f-ffdfb71ad63 could not be found", "errorCode": "LCM_AUTHN_USER_API_ERROR0001", "errorLabel": "User does not exist.", "recommendations": [] }	

Delete a User by ID	DELETE	/lcm/authzn/api/users/{vmid}
		Request parameter :
		vmid : 7c2e877b-f444-4a33-9e9f-ffdfb71ad632
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "7c2e877b-f444-4a33-9e9f-ffdfb71ad632",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": "configadmin_upn",
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"kbolaj@vmware.com"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"roleMappings": [
		{
		"vmid": "bc1db11b-245c-4521-ace0-f4b8f96a205a",
		"roleName": "Certificate Administrator",
		"roleDescription": "Administrator for Certificate operations"
		},
		{
		"vmid": "e2854133-51cf-4250-9325-9b9748590b05",
		"roleName": "LCM Cloud Admin",
		"roleDescription": "vRealize Lifecycle Manager Cloud Admin"
		},
		{
		"vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		},
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		"roleDescription": "Content developer"
		}
		]
		}
			404 - Not Found **When user ID is invalid.**
			vmid : 7c2e877b-f444-4a33-9e9f-ffdfb71ad63
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "User with id 7c2e877b-f444-4a33-9e9f-ffdfb71ad63 could not be found",
			"errorCode": "LCM_AUTHN_USER_API_ERROR0001",
			"errorLabel": "User does
				This API is used to delete a user roles.

			not exist." , "recommendations": [] }	

Get Users by Principal Name	GET	/lcm/authzn/api/users/upn/{upn}
		Request parameter :
		upn : configadmin_upn
		
		Response body :
		{
		"vmid": "77e3de56-18ba-45b1-b8e3-afc6d0c7c7f2",
		"username": "configadmin",
		"password": null,
		"userType": "VIDM_LOCAL_USER",
		"displayName": "configadmin configadmin",
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
		"isDisabled": false,
		"userPrincipalName": "configadmin_upn",
		"userMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"emails": [
		"kbolaj@vmware.com"
		],
		"additionalMeta": null,
		"givenName": "configadmin",
		"familyName": "configadmin"
		},
		"roleMappings": [
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		"roleDescription": "Content developer"
		},
		{
		"vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		}
		]
		}
			404 - Not Found **When user with principal name does not exist**
			Request parameter :
			upn : configadmin1
			
			Response body :
			{
			"status": "",
			"message": "User not found with principal name : configadmin1",
			"errorCode": "LCM_AUTHN_USER_API_ERROR0001",
			"errorLabel": "User does not exist.",
			"recomm
				This API is used to get a user by its principal name.

			endations": ["Please provide a valid Principal Name."] }	

Update Local User Password	PUT	/lcm/authzn/api/v2/users/update/password
		Request body : "passwordUpdateRequestDTO"
		{
		"password": "VMware1!",
		"username": "admin@local"
		}
		
		Response code : 200 OK
		Response body :
		{
		"password": "VMware1!",
		"username": "admin@local"
		}
				This API is used to update the password for vRSLCM local user.

SearchVidmUserGroup	POST	/lcm/authzn/api/v2/search/vidm-user-grp
		Searching User Group
		Request body : "vidmSearchUserRequestDTO"
		{
		"vidmDomainName": "sqa.local",
		"vidmAdminPassword": "locker:password:65b3111f-5512-4915-b68c-d1c0fde2f86e:VC2-password",
		"vidmHost": "lcm-34-251.sqa.local",
		"vidmAdminUser": "admin",
		"vidmVersion": "3.3.2",
		"vidmRootPassword": "locker:password:5b9d1a8e-49dc-4137-9f8a-b0c2fbb12fe3:VMware1!",
		"vidmSshPassword": "locker:password:5b9d1a8e-49dc-4137-9f8a-b0c2fbb12fe3:VMware1!",
		"vidmOAuthServiceClientId": "Service__OAuth2Client",
		"vidmOAuthServiceClientSecret": "HrsPFSBHxSnow8Bsoi74kiSZDOZzYn91",
		"tenancyEnabled": false,
		"clusteredVidm": false,
		"searchString": "v"
		}
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "c27b4d67-10e2-4a25-8695-147e70262a59",
		"transactionId": null,
		"requestName": "searchusergrp",
		"requestReason": "Search users and groups given a search string",
		"requestType": "Search users and groups given a search string",
		"requestSource": null,
		"requestSourceType": "user",
		"inputMap": {
		"vidmSearchUserRequestDTO": "{\"vidmHost\":\"lcm-34-251.sqa.local\",\"vidmTenant\":null,\"useServiceClient\":false,\"isTenantConfiguredByPath\":false,\"vidmAdminUser\":\"admin\",\"vidmAdminPassword\":\"locker:password:65b3111f-5512-4915-b68c-d1c0fde2f86e:VC2-password\",\"vidmOAuthServiceClientId\":\"Service__OAuth2Client\",\"vidmOAuthServiceClientSecret\":\"HrsPFSBHxSnow8Bsoi74kiSZDOZzYn91\",\"vidmDomainName\":\"sqa.local\",\"baseTenantHostname\":null,\"requestId\":null,\"searchString\":\"v\"}"
		},
		"outputMap": {},
		"state": "CREATED",
		"executionId": null,
		"executionPath": null,
		"executionStatus": null,
		"errorCause": null,
		"resultSet": null,
		"isCancelEnabled": null,
				This API is used to search the users and groups for which roles needs to be assigned.

		"lastUpdatedOn": 1596780658048, "createdBy": null }		

Authentication Group Operation APIs

Name	HTTP Method	Endpoint

Add a Group and assign role(s)	POST	/lcm/authzn/api/v2/groups
		Request body : "groupRequestDTO"
		{
		"displayName": "ALL USERS",
		"groupType": "ALL_USERS",
		"providerIdentifier": "c1c9f52d-afd1-4561-afbf-2b537b02cad1",
		"domain": null,
		"isDisabled": false,
		"groupMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"additionalMeta": []
		},
		"mappedRoles": [
		"9b497b75-b805-42bb-aa0b-d77b1c8563e6",
		"056ff129-813a-49cf-80b8-1706afc053a7",
		"6d9aa54d-1cab-42cc-8801-18fc81f5ddf3",
		"4a6d8ac2-468f-49e6-9a7b-11d221113a32"
		]
		}
		
		Response code : 201 Created
		Response body :
		{
		"status": "SUCCESS",
		"statusCode": "CREATED",
		"message": "Success",
		"resourceIdentifier": "cf8d99a2-3748-486f-b555-6ac64bc9f84c",
		"errorStackTrace": null,
		"errorCode": 0,
		"errors": null
		}

Update Group role(s) by ID	PUT/PATCH	/lcm/authzn/api/v2/groups/{vmid}
		Request parameters :
		vmid : cf8d99a2-3748-486f-b555-6ac64bc9f84c
		
		Request body :
		{
		"displayName": "ALL USERS",
		"groupType": "ALL_USERS",
		"providerIdentifier": "c1c9f52d-afd1-4561-afbf-2b537b02cad1",
		"domain": "sqa.local",
		"isDisabled": false,
		"groupMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"additionalMeta": []
		},
		"mappedRoles": [
		"9b497b75-b805-42bb-aa0b-d77b1c8563e6",
		"056ff129-813a-49cf-80b8-1706afc053a7",
		"6d9aa54d-1cab-42cc-8801-18fc81f5ddf3",
		"4a6d8ac2-468f-49e6-9a7b-11d221113a32"
		]
		}
		
		Response code : 200 OK
		Response body :
		{
		"status": "SUCCESS",
		"statusCode": "OK",
		"message": "Group updated sucessfully",
		"resourceIdentifier": null,
		"errorStackTrace": null,
		"errorCode": 0,
		"errors": null
		}

Delete a Group by ID	DELETE	/lcm/authzn/api/v2/groups/{vmid} Request parameters : vmid : cf8d99a2-3748-486f-b555-6ac64bc9f84c Response code : 200 OK Response headers : cache-control: no-cache, no-store, max-age=0, must-revalidate connection: keep-alive content-length: 0 content-security-policy: script-src 'self' date: Fri, 07 Aug 2020 05:59:31 GMT expires: 0 lcm-api-version: 8.0, 8.0 pragma: no-cache strict-transport-security: max-age=31536000; includeSubDomains x-content-type-options: nosniff x-frame-options: DENY x-xss-protection: 1; mode=block

Get Groups by Display Name	GET	/lcm/authzn/api/v2/groups/name/{displayName}
		Request parameter :
		displayname : ALL USERS
		
		Response code : 200 OK
		Response body :
		[
		  {
		  "vmid": "cf8d99a2-3748-486f-b555-6ac64bc9f84c",
		  "displayName": "ALL USERS",
		  "groupType": "ALL_USERS",
		  "providerIdentifier": "c1c9f52d-afd1-4561-afbf-2b537b02cad1",
		  "domain": null,
		  "isDisabled": false,
		  "groupMetadata": {
		  "distinguishedName": null,
		  "externalId": null,
		  "additionalMeta": []
		  },
		  "roleMappings": [
		  {
		  "vmid": "9b497b75-b805-42bb-aa0b-d77b1c8563e6",
		  "roleName": "Content Developer",
		  "roleDescription": "Content developer"
		  },
		  {
		  "vmid": "056ff129-813a-49cf-80b8-1706afc053a7",
		  "roleName": "Content Release Manager",
		  "roleDescription": "Content Release Manager"
		  },
		  {
		  "vmid": "6d9aa54d-1cab-42cc-8801-18fc81f5ddf3",
		  "roleName": "LCM Cloud Admin",
		  "roleDescription": "vRealize Lifecycle Manager Cloud Admin"
		  },
		  {
		  "vmid": "4a6d8ac2-468f-49e6-9a7b-11d221113a32",
		  "roleName": "Certificate Administrator",
		  "roleDescription": "Administrator for Certificate operations"
		  }
		  ]
		  }
		]

Get a Group by Display Name and Domain	GET	/lcm/authzn/api/v2/groups/name/{displayName}/domain/{domain}
		Request parameter :
		displayname : ALL USERS
		domain : sqa.local
		
		Response code : 200 OK
		Response body :
		{
		"vmid": "cf8d99a2-3748-486f-b555-6ac64bc9f84c",
		"displayName": "ALL USERS",
		"groupType": "ALL_USERS",
		"providerIdentifier": "c1c9f52d-afd1-4561-afbf-2b537b02cad1",
		"domain": "sqa.local",
		"isDisabled": false,
		"groupMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"additionalMeta": []
		},
		"roleMappings": [
		{
		"vmid": "4a6d8ac2-468f-49e6-9a7b-11d221113a32",
		"roleName": "Certificate Administrator",
		"roleDescription": "Administrator for Certificate operations",
		"authorities": "LOCKER_CERTIFICATE_ADMIN",
		"isInternal": false
		},
		{
		"vmid": "056ff129-813a-49cf-80b8-1706afc053a7",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager",
		"authorities": "RELEASE_MANAGER",
		"isInternal": false
		},
		{
		"vmid": "6d9aa54d-1cab-42cc-8801-18fc81f5ddf3",
		"roleName": "LCM Cloud Admin",
		"roleDescription": "vRealize Lifecycle Manager Cloud Admin",
		"authorities": "LCM_CLOUD_ADMIN",
		"isInternal": false
		},
		{
		"vmid": "9b497b75-b805-42bb-aa0b-d77b1c8563e6",
		"roleName": "Content Developer",
		"roleDescription": "Content developer",
		"authorities": "CONTENT_DEVELOPER",
		"isInternal": false
		}
		]
		}

Get a Group by Provider Identifier	GET	/lcm/authzn/api/v2/groups/providers/{providerId}
		Request parameter :
		providerId : c1c9f52d-afd1-4561-afbf-2b537b02cad1
		
		Response code : 200 OK
		Request body :
		{
		"vmid": "cf8d99a2-3748-486f-b555-6ac64bc9f84c",
		"displayName": "ALL USERS",
		"groupType": "ALL_USERS",
		"providerIdentifier": "c1c9f52d-afd1-4561-afbf-2b537b02cad1",
		"domain": "sqa.local",
		"isDisabled": false,
		"groupMetadata": {
		"distinguishedName": null,
		"externalId": null,
		"additionalMeta": []
		},
		"roleMappings": [
		{
		"vmid": "4a6d8ac2-468f-49e6-9a7b-11d221113a32",
		"roleName": "Certificate Administrator",
		"roleDescription": "Administrator for Certificate operations"
		},
		{
		"vmid": "056ff129-813a-49cf-80b8-1706afc053a7",
		"roleName": "Content Release Manager",
		"roleDescription": "Content Release Manager"
		},
		{
		"vmid": "6d9aa54d-1cab-42cc-8801-18fc81f5ddf3",
		"roleName": "LCM Cloud Admin",
		"roleDescription": "vRealize Lifecycle Manager Cloud Admin"
		},
		{
		"vmid": "9b497b75-b805-42bb-aa0b-d77b1c8563e6",
		"roleName": "Content Developer",
		"roleDescription": "Content developer"
		}
		]
		}

Authentication Role Operation APIs

Name	HTTP Method	Endpoint	Description

Get all External APIs	GET	/lcm/authzn/api/v2/roles/external
		Response Code : 200 OK
		Response body :
		[
		  {
		  "vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		  "roleName": "Content Developer",
		  "roleDescription": "Content developer"
		  },
		  {
		  "vmid": "28978da4-353b-4a05-a961-a754b7299797",
		  "roleName": "LCM Admin",
		  "roleDescription": "vRealize Lifecycle Manager Administrator"
		  },
		  {
		  "vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43",
		  "roleName": "Content Release Manager",
		  "roleDescription": "Content Release Manager"
		  },
		  {
		  "vmid": "e2854133-51cf-4250-9325-9b9748590b05",
		  "roleName": "LCM Cloud Admin",
		  "roleDescription": "vRealize Lifecycle Manager Cloud Admin"
		  },
		  {
		  "vmid": "bc1db11b-245c-4521-ace0-f4b8f96a205a",
		  "roleName": "Certificate Administrator",
		  "roleDescription": "Administrator for Certificate operations"
		  }
		]
			This API is used to get all external roles that needs to be assigned to a user or a group.

Generic Error Response Codes

<table>
<tr><th>Response code</th><th>Description</th><th>Response body/template</th><th>Details</th></tr>
<tr><td>401</td><td>Unauthorized</td><td>Response body
<pre>{
  "timestamp": "2020-08-10T08:22:38.536+0000",
  "status": 401,
  "error": "Unauthorized",
  "message": "Unauthorized",
  "path": ""
}</pre></td><td>Here "path" is endpoint of that particular API.</td></tr>
<tr><td>400</td><td>Bad Request</td><td rowspan="5">Response template
<pre>{
  "errorCode": "string",
  "errorLabel": "string",
  "message": "string",
  "recommendations": [
    "string"
  ],
  "status": "string"
}</pre></td><td rowspan="5">This is the generic error response body template for all APIs.</td></tr>
<tr><td>403</td><td>Forbidden</td></tr>
<tr><td>404</td><td>Not Found</td></tr>
<tr><td>409</td><td>Conflict</td></tr>
<tr><td>500</td><td>Internal Server Error</td></tr>
</table>

Generic Error Message Codes & Labels

API Types	Error Codes	Error Labels
Javax Validation Constraints	LCM_GENERIC_VALIDATION_API_ERROR0000	Request Payload does not comply with constraints.
Data Center Operation APIs	LCM_DATACENTER_API_ERROR0000	Unknown Data Center error.
	LCM_DATACENTER_API_ERROR0001	Data Center request payload is invalid.

	LCM_DATACENTER_API_ERROR0002	Data Center already exists.
	LCM_DATACENTER_API_ERROR0003	Data Center does not exist.
	LCM_DATACENTER_API_ERROR0004	Unknown vCenter error.
	LCM_DATACENTER_API_ERROR0005	vCenter request payload is invalid.
	LCM_DATACENTER_API_ERROR0006	vCenter already exists.
	LCM_DATACENTER_API_ERROR0007	vCenter does not exist.
Environment Operation APIs	LCM_ENVIRONMENT_API_ERROR0000	Unknown Environment error.
	LCM_ENVIRONMENT_API_ERROR0001	Create Environment request payload is invalid.
	LCM_ENVIRONMENT_API_ERROR0002	Environment Product is invalid.
	LCM_ENVIRONMENT_API_ERROR0003	Environment Password is invalid.
	LCM_ENVIRONMENT_API_ERROR0004	Environment Data Center is invalid.
	LCM_ENVIRONMENT_API_ERROR0005	Environment already exists.
	LCM_ENVIRONMENT_API_ERROR0006	Environment does not exist.
	LCM_ENVIRONMENT_API_ERROR0007	Organic Growth request payload is invalid.
	LCM_ENVIRONMENT_API_ERROR0008	Product already exists in the Environment.

	LCM_ENVIRONMENT_API_ERROR0009	Product does not exist in the Environment.
	LCM_ENVIRONMENT_API_ERROR0010	Scale Out request payload is invalid.
	LCM_ENVIRONMENT_API_ERROR0011	Operation is not allowed on globalenvironment.
	LCM_ENVIRONMENT_API_ERROR0012	Product License is invalid in the Environment.
	LCM_ENVIRONMENT_API_ERROR0013	Product Certificate is invalid in the Environment.
	LCM_ENVIRONMENT_API_ERROR0014	Operation is not allowed.
Deployment Operation APIs	LCM_PRODUCT_API_ERROR0000	Unknown Product error.
	LCM_PRODUCT_API_ERROR0001	Product snapshot does not exist.
	LCM_PRODUCT_API_ERROR0002	Invalid product configuration type error.
Locker Password Operation APIs	LCM_PASSWORD_API_ERROR0000	Unknown Password error.
	LCM_PASSWORD_API_ERROR0001	Password request payload is invalid.
	LCM_PASSWORD_API_ERROR0002	Password does not exist.
	LCM_PASSWORD_API_ERROR0003	Password already exist.
	LCM_PASSWORD_API_ERROR0004	Password alias already exist.
	LCM_PASSWORD_API_ERROR0005	Password already encrypted.
Locker Certificate	LCM_CERTIFICATE_API_ERROR0000	Unknown Certificate error.

Operation APIs	LCM_CERTIFICATE_API_ERROR0001	Certificate request payload is invalid.
	LCM_CERTIFICATE_API_ERROR0002	Certificate does not exist.
	LCM_CERTIFICATE_API_ERROR0003	Certificate already exist.
Locker Reference Operation APIs	LCM_LOCKER_REFERENCE_API_ERROR0000	Unknown Locker Reference error.
Locker License Operation APIs	LCM_LICENSE_API_ERROR0000	Unknown License error.
	LCM_LICENSE_API_ERROR0001	License request payload is invalid.
	LCM_LICENSE_API_ERROR0002	License already exist.
	LCM_LICENSE_API_ERROR0003	License does not exist.
Settings Operation APIs	LCM_SETTINGS_API_ERROR0000	Unknown Settings error.
	LCM_SETTINGS_API_ERROR0001	Settings request payload is invalid.
	LCM_SETTINGS_API_ERROR0002	Settings data does not exist.
	LCM_SETTINGS_API_ERROR0003	Settings data already exist.
Pre-Validation Report Operation APIs	LCM_PREVALIDATION_REPORT_API_ERROR0000	Unknown Pre-Validation Report error.
	LCM_PREVALIDATION_REPORT_API_ERROR0001	Pre-Validation Report does not exist.
Health Operation APIs	LCM_HEALTH_API_ERROR0000	Unknown LCM Health error.

Authentication Group Operation APIs	LCM_AUTHN_GROUP_API_ERROR0000	Unknown Authentication Group error.
	LCM_AUTHN_GROUP_API_ERROR0001	Group does not exist.
Authentication User Operation APIs	LCM_AUTHN_USER_API_ERROR0000	Unknown Authentication User error.
	LCM_AUTHN_USER_API_ERROR0001	User does not exist.
Authentication Role Operation APIs	LCM_AUTHN_ROLE_API_ERROR0000	Unknown Authentication Role error.
Authentication Provider Login Operation APIs	LCM_AUTHN_PROVIDER_LOGIN_API_ERROR0000	Unknown Authentication Provider Login error.

Postman Collection and Environment

1. Postman collection : vRSLCM_PublicAPIs_8.4_postmanCollection.json
2. Postman environment : vRSLCM_publicAPIs_8.4_postman_environment.json
3. Postman collection for VCF aware vRSLCM: VCF_aware_vRSLCM_PublicAPIs_8.4_postmanCollection.json
4. Postman environment for VCF aware vRSLCM: VCF_aware_vRSLCM_publicAPIs_8.4_postman_environment.json

Content Management API

Activity Log Controller

Name	HTTP Method	Endpoint	Description

Get activity logs	GET	/lcm/cms/api/v1/logs Response Code : 200 OK Response body : { "contents": [{ "id": "330034a0-ca71-4fb5-8889-90ee5e68b52f", "createdOn": 1601962334077, "lastUpdatedOn": 1601962334077, "message": "Completed Automation-Subscription, test-subscription 1 cava-vra-test", "referenceId": "a455defa-e418-43fc-b213-d2092d605538", "level": "COMPLETED", "activity": "Capture", "referenceType": "CONTENT", "requestNumber": 99 }, { "id": "d7b17c2e-c700-47a8-a7ba-3bbf3d599164", "createdOn": 1601962333128, "lastUpdatedOn": 1601962333128, "message": "Completed Automation-Subscription, compute-removal-subs-abx 1 cava-vra-test", "referenceId": "b011924b-885c-4865-866f-187e545fce28", "level": "COMPLETED",	

"activity": "Capture",

"referenceType": "CONTENT",

"requestNumber": 99
        },
        {
            "id": "620752da-cde5-40a8-8ad2-39da08ee75b0",

"createdOn": 1601962330866,

"lastUpdatedOn": 1601962330866,
            "message": "Capture started for content type: Automation-Subscription, content name: test-subscription, content version: 1 on endpoint: cava-vra-test",

"referenceId": "a455defa-e418-43fc-b213-d2092d605538",
            "level": "INFO",

"activity": "Capture",

"referenceType": "CONTENT",

"requestNumber": 99
        },
        {
            "id": "0bc17a53-c58a-4d1b-83a6-a182c9f3acce",

"createdOn": 1601962330287,

"lastUpdatedOn": 1601962330287,
            "message": "Capture started for content type: Automation-

		Subscription, content name: compute-removal-subs-abx, content version: 1 on endpoint: cava-vra-test", "referenceId": "b011924b-885c-4865-866f-187e545fce28", "level": "INFO", "activity": "Capture", "referenceType": "CONTENT", "requestNumber": 99 }, { "id": "94ae8c4b-acd1-437f-8200-4c3bf6a32560", "createdOn": 1601962196584, "lastUpdatedOn": 1601962196584, "message": "Endpoint Successfully Created", "referenceId": "a62c4d79-c2e1-416a-95de-215de772484c", "level": "COMPLETED", "activity": "CREATED ENDPOINT", "referenceType": "ENDPOINT", "requestNumber": 98 }, { "id": "e8170c63-ec5d-47ef-b396-5b1b62b3d518", "createdOn": 1601962196568,	

```
"lastUpdatedOn":
1601962196568,
            "message":
"Creating Endpoint",

"referenceId":
"a62c4d79-c2e1-416a-
95de-215de772484c",
            "level":
"INFO",

"activity": "CREATE
ENDPOINT",

"referenceType":
"ENDPOINT",

"requestNumber": 98
        },
        {
            "id":
"d72c754b-23d6-4cb9-
a627-ca094ea21909",

"createdOn":
1601962196156,

"lastUpdatedOn":
1601962196156,
            "message":
"Endpoint Server
Successfully Created",

"referenceId":
"59ed8766-8808-4c14-
8341-cc2f5a35fa6f",
            "level":
"COMPLETED",

"activity": "CREATED
ENDPOINT SERVER",

"referenceType":
"ENDPOINTSERVER",

"requestNumber": 0
        },
        {
            "id":
"fd2d2521-6b01-45bc-
885e-1ffd2d30c129",

"createdOn":
1601962195790,
```

"lastUpdatedOn": 1601962195790,
"message": "Endpoint Successfully Created",

"referenceId": "4a2c5b69-b99a-4a2d-bbad-a9c354543705",
"level": "COMPLETED",

"activity": "CREATED ENDPOINT",

"referenceType": "ENDPOINT",

"requestNumber": 97
},
{
"id": "d9226d48-2586-4549-85a0-e195d0a12742",

"createdOn": 1601962195766,

"lastUpdatedOn": 1601962195766,
"message": "Creating Endpoint",

"referenceId": "4a2c5b69-b99a-4a2d-bbad-a9c354543705",
"level": "INFO",

"activity": "CREATE ENDPOINT",

"referenceType": "ENDPOINT",

"requestNumber": 97
},
{
"id": "059e6952-6205-4e5b-ada9-1ecf11793757",

"createdOn": 1601375770144,

"lastUpdatedOn": 1601375770144,
"message": "Endpoint Server Successfully Created",

"referenceId": "6062268a-8fd4-45f3-894a-efb9ffa5973a",
"level": "COMPLETED",

"activity": "CREATED ENDPOINT SERVER",

"referenceType": "ENDPOINTSERVER",

"requestNumber": 0
},
{
"id": "b5a21e55-9c99-4977-989a-0955b4dd9c5a",

"createdOn": 1601375770118,

"lastUpdatedOn": 1601375770118,
"message": "Endpoint Successfully Created",

"referenceId": "46b01da8-1306-4280-a103-f2b92665f36c",
"level": "COMPLETED",

"activity": "CREATED ENDPOINT",

"referenceType": "ENDPOINT",

"requestNumber": 0
},
{
"id": "27bc6a2a-5724-4f38-86f2-c88ec61baabb",

"createdOn": 1601375770106,

"lastUpdatedOn": 1601375770106,
"message": "Creating Endpoint",
"referenceId": "46b01da8-1306-4280-a103-f2b92665f36c",
"level": "INFO",
"activity": "CREATE ENDPOINT",
"referenceType": "ENDPOINT",
"requestNumber": 0
},
{
"id": "38164726-371f-45fa-97e4-a20563d2c825",
"createdOn": 1601375760402,
"lastUpdatedOn": 1601375760402,
"message": "Endpoint Server Successfully Deleted",
"referenceId": "bitbucket",
"level": "COMPLETED",
"activity": "DELETE ENDPOINT SERVER",
"referenceType": "ENDPOINTSERVER",
"requestNumber": 0
},
{
"id": "c623472e-e494-4ca7-a556-354763d98777",
"createdOn": 1601375760081,

"lastUpdatedOn": 1601375760081,
"message": "Deleting Endpoint Server",

"referenceId": "bitbucket",
"level": "INFO",

"activity": "DELETE ENDPOINT",

"referenceType": "ENDPOINTSERVER",

"requestNumber": 0
},
{
"id": "de99d555-acb1-4b93-9140-827043faf05b",

"createdOn": 1601375759958,

"lastUpdatedOn": 1601375759958,
"message": "Endpoint Successfully Deleted",

"referenceId": "800d01a9-3952-420d-838d-8502421aea9f",
"level": "COMPLETED",

"activity": "DELETE ENDPOINT",

"referenceType": "ENDPOINT",

"requestNumber": 0
},
{
"id": "11959e0e-6b7a-42d9-8017-20a6aa3ded03",

"createdOn": 1601375759938,

"lastUpdatedOn": 1601375759938,
"message": "Deleting Endpoint",
"referenceId": "800d01a9-3952-420d-838d-8502421aea9f",
"level": "INFO",
"activity": "DELETE ENDPOINT",
"referenceType": "ENDPOINT",
"requestNumber": 0
},
{
"id": "7b19b712-b3a8-4834-9b87-9e6bc96abda3",
"createdOn": 1601373718029,
"lastUpdatedOn": 1601373718029,
"message": "Endpoint Creation Failed",
"referenceId": "df5b5950-88fd-47cc-8ae2-a90221f40038",
"level": "ERROR",
"activity": "CREATE ENDPOINT",
"referenceType": "ENDPOINT",
"requestNumber": 0
},
{
"id": "6643b8df-f20f-4cb9-8fea-968c268b0735",
"createdOn": 1601373717993,

"lastUpdatedOn": 1601373717993,
"message": "Creating Endpoint",
"referenceId": "df5b5950-88fd-47cc-8ae2-a90221f40038",
"level": "INFO",
"activity": "CREATE ENDPOINT",
"referenceType": "ENDPOINT",
"requestNumber": 0
},
{
"id": "04b490e3-552c-479f-8632-6b0a4fa22f01",
"createdOn": 1601358290401,
"lastUpdatedOn": 1601358290401,
"message": "Endpoint Server Successfully Created",
"referenceId": "064ef3c9-7a2c-4ed1-ba11-7342affee9ed",
"level": "COMPLETED",
"activity": "CREATED ENDPOINT SERVER",
"referenceType": "ENDPOINTSERVER",
"requestNumber": 0
},
{
"id": "356eeb73-f675-4b0e-b2d5-6e140c538da9",
"createdOn": 1601358290023,

		"lastUpdatedOn": 1601358290023, "message": "Endpoint Successfully Created", "referenceId": "800d01a9-3952-420d-838d-8502421aea9f", "level": "COMPLETED", "activity": "CREATED ENDPOINT", "referenceType": "ENDPOINT", "requestNumber": 0 }], "metaData": { "totatlPages": 16, "totalElements": 305, "pageElements": 20, "size": 20, "page": 1 } }	

Content Category Controller

Name	HTTP Method	Endpoint	Description

Get content categories	GET	/lcm/cms/api/v1/contents/categories Response Code : 200 OK Response body : { "contents": [{ "id": "Automation-v7", "createdOn": 1600767254411, "lastUpdatedOn": 1600767254446, "name": "Automation", "version": "7", "minConcurrentPipelinesPerEndpoint": 2, "maxConcurrentPipelinesPerEndpoint": 6, "contentTypes": ["Automation-ComponentProfile", "Automation-CompositeBlueprint", "Automation-CustomForm", "Automation-PropertyDefinition", "Automation-PropertyGroup", "Automation-ResourceAction", "Automation-ResourceMap", "Automation-ResourceType", "Automation-Software", "Automation-Subscription", "Automation-XaaSBlueprint"] }, { "id": "Operations", "createdOn": 1600767254474, "lastUpdatedOn": 1600767254480, "name": "Operations",	

```
"minConcurrentPipelinesPerEndpoint":
2,

"maxConcurrentPipelinesPerEndpoint":
6,
            "contentTypes": [
                "Operations-Alert",
                "Operations-
Dashboard",
                "Operations-Report",
                "Operations-
ResourceKindMetricConfig",
                "Operations-
SuperMetric",
                "Operations-
Symptom",
                "Operations-
TextWidgetContent",
                "Operations-
TopoWidgetConfig",
                "Operations-View"
            ]
        },
        {
            "id": "Orchestration",
            "createdOn":
1600767254458,
            "lastUpdatedOn":
1600767254464,
            "name": "Orchestration",

"minConcurrentPipelinesPerEndpoint":
2,

"maxConcurrentPipelinesPerEndpoint":
6,
            "contentTypes": [
                "Orchestrator-
Action",
                "Orchestrator-
ConfigurationElement",
                "Orchestrator-
Package",
                "Orchestrator-
Workflow"
            ]
        },
        {
            "id": "Pipeline",
            "createdOn":
1600767254489,
            "lastUpdatedOn":
1600767254495,
            "name": "Pipeline",
```

```
"minConcurrentPipelinesPerEndpoint":
10,

"maxConcurrentPipelinesPerEndpoint":
20,
            "contentTypes": []
        },
        {
            "id": "SourceControl",
            "createdOn":
1600767254504,
            "lastUpdatedOn":
1600767254511,
            "name": "SourceControl",

"minConcurrentPipelinesPerEndpoint":
2,

"maxConcurrentPipelinesPerEndpoint":
6,
            "contentTypes": [
                "Automation-
ComponentProfile",
                "Automation-
CompositeBlueprint",
                "Automation-
CustomForm",
                "Automation-
PropertyDefinition",
                "Automation-
PropertyGroup",
                "Automation-
ResourceAction",
                "Automation-
ResourceMap",
                "Automation-
ResourceType",
                "Automation-
Software",
                "Automation-
Subscription",
                "Automation-
XaaSBlueprint",
                "Operations-Alert",
                "Operations-
Dashboard",
                "Operations-Report",
                "Operations-
ResourceKindMetricConfig",
                "Operations-
SuperMetric",
                "Operations-
Symptom",
                "Operations-
TextWidgetContent",
```

		"Operations-TopoWidgetConfig",
		"Operations-View",
		"Orchestrator-Action",
		"Orchestrator-ConfigurationElement",
		"Orchestrator-Package",
		"Orchestrator-Workflow",
		"vSphere-CustomSpecification"
		]
		},
		{
		"id": "vSphere",
		"createdOn": 1600767254520,
		"lastUpdatedOn": 1600767254525,
		"name": "vSphere",
		"minConcurrentPipelinesPerEndpoint": 1,
		"maxConcurrentPipelinesPerEndpoint": 1,
		"contentTypes": [
		"vSphere-CustomSpecification",
		"vSphere-Template"
		]
		}
		],
		"metaData": {
		"totatlPages": 1,
		"totalElements": 6,
		"pageElements": 6,
		"size": 20,
		"page": 1
		}
		}	

Get content category by name and version	GET	lcm/cms/api/v1/contents/categories Request parameter : name : Response body :	

Content Controller

Name	HTTP Method	Endpoint	Description

Get content items by type	GET	/lcm/cms/api/v1/contentItem
		Request Parameter :
		contentType : Operations-Alert
		
		Response Code : 200 OK
		Response body :
		
		[
		{
		"id": "2e72e760-55c9-41d3-8249-eccc33c547fc",
		"createdOn": 1599642320643,
		"lastUpdatedOn": 1599642320643,
		"name": "A fatal error occured on a PCIe bus during system reboot",
		"contentType": "Operations-Alert",
		"latestVersion": 1,
		"requestedBy": "admin@local",
		"category": "Operations"
		},
		{
		"id": "a75e4e40-64e6-45ac-8b91-cbb2dcf3092d",
		"createdOn": 1599642320648,
		"lastUpdatedOn": 1599642320648,
		"name": "A PCIe error occurred during system boot, but the error is recoverable",
		"contentType": "Operations-Alert",
		"latestVersion": 1,
		"requestedBy": "admin@local",
		"category": "Operations"
		}
		]	

Get content items	GET	/lcm/cms/api/v1/contents Response Code : 200 OK Response body : { "contents": [{ "id": "785ebac0-ea0f-4f64-ad9e-1854f23731eb", "createdOn": 1601962318519, "lastUpdatedOn": 1601962318519, "name": "test-subscription", "contentType": "Automation-Subscription", "latestVersion": 1, "requestedBy": "admin@local", "category": "Automation" }, { "id": "1491db79-d61c-49cb-b813-14388bcf6034", "createdOn": 1601962318507, "lastUpdatedOn": 1601962318508, "name": "compute-removal-subs-abx", "contentType": "Automation-Subscription", "latestVersion": 1, "requestedBy": "admin@local", "category": "Automation" }, { "id": "43b04a86-13b6-42c2-9c4a-0c2bf24687cd", "createdOn": 1598609292276, "lastUpdatedOn": 1600055454635, "name": "Load Balancer Sessions Rate", "contentType": "Operations-SuperMetric", "latestVersion": 8, "requestedBy": "admin@local", "category": "Operations" }, { "id": "1a628089-a57d-4576-8dd3-2bc6b25b0054", "createdOn": 1598609292301, "lastUpdatedOn": 1600055454631, "name": "Is vmnic3 down?",	

```
            "contentType": "Operations-
SuperMetric",
            "latestVersion": 11,
            "requestedBy": "admin@local",
            "category": "Operations"
        },
        {
            "id": "07c0807f-2b7d-40a9-
bec8-40ed9caf8d76",
            "createdOn": 1598609292286,
            "lastUpdatedOn":
1600055240642,
            "name": "Load Balancer
Session Count",
            "contentType": "Operations-
SuperMetric",
            "latestVersion": 4,
            "requestedBy": "admin@local",
            "category": "Operations"
        },
        {
            "id": "a6b7a6d6-5d81-4b27-
84c6-dd7eb05906f9",
            "createdOn": 1598609292269,
            "lastUpdatedOn":
1599825146665,
            "name": "Is vmnic1 down?",
            "contentType": "Operations-
SuperMetric",
            "latestVersion": 2,
            "requestedBy": "admin@local",
            "category": "Operations"
        },
        {
            "id": "9c96860d-5a42-4d6a-
ae05-9c21a2b98025",
            "createdOn": 1598609292249,
            "lastUpdatedOn":
1599825146657,
            "name": "Edge Load Balancer
Count",
            "contentType": "Operations-
SuperMetric",
            "latestVersion": 2,
            "requestedBy": "admin@local",
            "category": "Operations"
        },
        {
            "id": "a61a0313-9356-4a10-
a671-dc79ff68eff3",
            "createdOn": 1599796032680,
            "lastUpdatedOn":
1599796032680,
            "name": "vsphere_customform-
Development-policy",
```

```
            "contentType": "Automation-
PropertyDefinition",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "14a7d604-d5dc-4c26-
83b2-189c6d63ff90",
            "createdOn": 1599796032677,
            "lastUpdatedOn":
1599796032677,
            "name": "financeapp4-Finance-
policy",
            "contentType": "Automation-
PropertyDefinition",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "b10bf1a6-1c1a-490c-
9c9f-6f4b9bc00612",
            "createdOn": 1599796032673,
            "lastUpdatedOn":
1599796032673,
            "name": "CatalogItemRequest-1
- 1",
            "contentType": "Automation-
PropertyDefinition",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "47e38518-e4a6-4e05-
9f74-db8ed800b76d",
            "createdOn": 1599796032667,
            "lastUpdatedOn":
1599796032668,
            "name":
"vc_aws_customform_green",
            "contentType": "Automation-
CompositeBlueprint",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "06a458b6-3fe6-47f1-
a8e0-4da060f1ab60",
            "createdOn": 1599796032663,
            "lastUpdatedOn":
1599796032664,
            "name": "financeapp1",
```

```
            "contentType": "Automation-
CompositeBlueprint",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "c7fc577c-a4e9-493c-
a203-ec3e5f93a909",
            "createdOn": 1599796032656,
            "lastUpdatedOn":
1599796032657,
            "name": "nsxt_onlyRouted",
            "contentType": "Automation-
CompositeBlueprint",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "79bacbfa-d308-41d1-
b140-5f915ed9aa56",
            "createdOn": 1599796032633,
            "lastUpdatedOn":
1599796032634,
            "name": "SQLDatabase",
            "contentType": "Automation-
ResourceType",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Automation"
        },
        {
            "id": "fd5e8495-ee7b-468f-
bc71-c45092d1f0ee",
            "createdOn": 1599740627458,
            "lastUpdatedOn":
1599740627466,
            "name": "VRO-package",
            "contentType": "Orchestrator-
Package",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Orchestration"
        },
        {
            "id": "8b75fe9c-690c-4ab1-
a7ea-bedce636c1d6",
            "createdOn": 1599740613859,
            "lastUpdatedOn":
1599740613860,
            "name": "BatchAction",
            "contentType": "Orchestrator-
ConfigurationElement",
            "latestVersion": 1,
            "requestedBy": "admin@local",
```

```
            "category": "Orchestration"
        },
        {
            "id": "d6138def-6772-4212-
931a-d13676ce8a4f",
            "createdOn": 1599740613853,
            "lastUpdatedOn":
1599740613854,
            "name": "BatchObject",
            "contentType": "Orchestrator-
ConfigurationElement",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Orchestration"
        },
        {
            "id": "946f3241-6518-48bb-
b8dd-c38e00e35e55",
            "createdOn": 1599642334219,
            "lastUpdatedOn":
1599642334219,
            "name": "A recoverable PCIe
error occurred",
            "contentType": "Operations-
Symptom",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Operations"
        },
        {
            "id": "2ae3f5e6-ee3a-4f19-
95f8-845a55771788",
            "createdOn": 1599642334195,
            "lastUpdatedOn":
1599642334195,
            "name": "A fatal PCIe error
occurred",
            "contentType": "Operations-
Symptom",
            "latestVersion": 1,
            "requestedBy": "admin@local",
            "category": "Operations"
        },
        {
            "id": "a75e4e40-64e6-45ac-
8b91-cbb2dcf3092d",
            "createdOn": 1599642320648,
            "lastUpdatedOn":
1599642320648,
            "name": "A PCIe error
occurred during system boot, but the
error is recoverable",
            "contentType": "Operations-
Alert",
            "latestVersion": 1,
            "requestedBy": "admin@local",
```

		"category": "Operations"
		}
		],
		"metaData": {
		"totatlPages": 2,
		"totalElements": 25,
		"pageElements": 20,
		"size": 20,
		"page": 1
		}
		}	

Get content	GET	/lcm/cms/api/v1/contents
		Request Parameter :
		id : 785ebac0-ea0f-4f64-ad9e-1854f23731eb
		
		Response Code : 200 OK
		Response body :
		
		{
		"contents": [
		{
		"id": "785ebac0-ea0f-4f64-ad9e-1854f23731eb",
		"createdOn": 1601962318519,
		"lastUpdatedOn": 1601962318519,
		"name": "test-subscription",
		"contentType": "Automation-Subscription",
		"latestVersion": 1,
		"requestedBy": "admin@local",
		"category": "Automation"
		}
		],
		"metaData": {
		"totatlPages": 1,
		"totalElements": 1,
		"pageElements": 1,
		"size": 20,
		"page": 1
		}
		}	

Delete content Items	DELETE	/lcm/cms/api/v1/contents/delete Request parameter : contentItemIds : 785ebac0-ea0f-4f64-ad9e-1854f23731eb Response Code : 200 OK Response body :	Deletes content with given Id

Get content versions	GET	/lcm/cms/api/v1/contents/versions
		Response Code : 200 OK
		Response body :
		
		{
		"contents": [
		{}
		],
		"metaData": {
		"page": 0,
		"pageElements": 0,
		"size": 0,
		"totalElements": 0,
		"totatlPages": 0
		}
		}	

Get content version with 'versionId'	GET	/lcm/cms/api/v1/contents/versions Response Code : 200 OK Response body :	
Delete dependency	DELETE		
Download artifact file	GET		
Delete content versions	POST		
Get latest deployed content version	GET		

Content Filter Controller

Name	HTTP Method	Endpoint	Description

Get content filter names	GET	/lcm/cms/api/v1/contents/filters
		`Response Code : 200 OK`
		`Response body :`	

Create content filter	POST		
Update content filter	PUT		
Get content filter by name	GET		
Delete content filter	DELETE		

Content Type Controller

Name	HTTP Method	Endpoint	Description

Get content types	GET	/lcm/cms/api/v1/contents/types Response Code : 200 OK Response body : { "contents": [{ "id": "Automation-ComponentProfile", "createdOn": 1600767254044, "lastUpdatedOn": 1600767254078, "name": "Automation-ComponentProfile", "supportPackageMerge": false, "supportsDependencies": false, "supportsFolders": false }, { "id": "Automation-CompositeBlueprint", "createdOn": 1600767254130, "lastUpdatedOn": 1600767254135, "name": "Automation-CompositeBlueprint", "supportPackageMerge": true, "supportsDependencies": true, "supportsFolders": false }, { "id": "Automation-CustomForm", "createdOn": 1600767254206,	

"lastUpdatedOn": 1600767254212,
"name": "Automation-CustomForm",

"supportPackageMerge": true,

"supportsDependencies": true,

"supportsFolders": false
},
{
"id": "Automation-PropertyDefinition",
"createdOn": 1600767254117,

"lastUpdatedOn": 1600767254122,
"name": "Automation-PropertyDefinition",

"supportPackageMerge": true,

"supportsDependencies": true,

"supportsFolders": false
},
{
"id": "Automation-PropertyGroup",
"createdOn": 1600767254143,

"lastUpdatedOn": 1600767254149,
"name": "Automation-PropertyGroup",

"supportPackageMerge": true,

"supportsDependencies": true,

"supportsFolders": false
},

```
        {
            "id":
"Automation-
ResourceAction",
            "createdOn":
1600767254171,

"lastUpdatedOn":
1600767254177,
            "name":
"Automation-
ResourceAction",

"supportPackageMerge":
true,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Automation-ResourceMap",
            "createdOn":
1600767254183,

"lastUpdatedOn":
1600767254189,
            "name":
"Automation-ResourceMap",

"supportPackageMerge":
true,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Automation-ResourceType",
            "createdOn":
1600767254196,

"lastUpdatedOn":
1600767254201,
            "name":
"Automation-ResourceType",

"supportPackageMerge":
true,

"supportsDependencies":
true,
```

```
"supportsFolders": false
        },
        {
            "id":
"Automation-Software",
            "createdOn":
1600767254159,

"lastUpdatedOn":
1600767254165,
            "name":
"Automation-Software",

"supportPackageMerge":
false,

"supportsDependencies":
false,

"supportsFolders": false
        },
        {
            "id":
"Automation-Subscription",
            "createdOn":
1600767254090,

"lastUpdatedOn":
1600767254096,
            "name":
"Automation-Subscription",

"supportPackageMerge":
true,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Automation-
XaaSBlueprint",
            "createdOn":
1600767254103,

"lastUpdatedOn":
1600767254109,
            "name":
"Automation-
XaaSBlueprint",

"supportPackageMerge":
true,
```

```
"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Operations-Alert",
            "createdOn":
1600767254263,

"lastUpdatedOn":
1600767254270,
            "name":
"Operations-Alert",

"supportPackageMerge":
false,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Operations-Dashboard",
            "createdOn":
1600767254277,

"lastUpdatedOn":
1600767254282,
            "name":
"Operations-Dashboard",

"supportPackageMerge":
false,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Operations-Report",
            "createdOn":
1600767254288,

"lastUpdatedOn":
1600767254293,
            "name":
"Operations-Report",
```

```
"supportPackageMerge":
false,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Operations-
ResourceKindMetricConfig",
            "createdOn":
1600767254299,

"lastUpdatedOn":
1600767254304,
            "name":
"Operations-
ResourceKindMetricConfig",

"supportPackageMerge":
false,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Operations-SuperMetric",
            "createdOn":
1600767254310,

"lastUpdatedOn":
1600767254314,
            "name":
"Operations-SuperMetric",

"supportPackageMerge":
false,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Operations-Symptom",
            "createdOn":
1600767254363,
```

"lastUpdatedOn": 1600767254376,
"name": "Operations-Symptom",

"supportPackageMerge": false,

"supportsDependencies": false,

"supportsFolders": false
},
{
"id": "Operations-TextWidgetContent",
"createdOn": 1600767254320,

"lastUpdatedOn": 1600767254325,
"name": "Operations-TextWidgetContent",

"supportPackageMerge": false,

"supportsDependencies": false,

"supportsFolders": false
},
{
"id": "Operations-TopoWidgetConfig",
"createdOn": 1600767254335,

"lastUpdatedOn": 1600767254342,
"name": "Operations-TopoWidgetConfig",

"supportPackageMerge": false,

"supportsDependencies": false,

"supportsFolders": false
},

```
        {
            "id":
"Operations-View",
            "createdOn":
1600767254348,

"lastUpdatedOn":
1600767254355,
            "name":
"Operations-View",

"supportPackageMerge":
false,

"supportsDependencies":
true,

"supportsFolders": false
        },
        {
            "id":
"Orchestrator-Action",
            "createdOn":
1600767254241,

"lastUpdatedOn":
1600767254246,
            "name":
"Orchestrator-Action",

"supportPackageMerge":
true,

"supportsDependencies":
true,

"supportsFolders": true
        },
        {
            "id":
"Orchestrator-
ConfigurationElement",
            "createdOn":
1600767254251,

"lastUpdatedOn":
1600767254256,
            "name":
"Orchestrator-
ConfigurationElement",

"supportPackageMerge":
true,

"supportsDependencies":
true,
```

```
"supportsFolders": true
        },
        {
            "id":
"Orchestrator-Package",
            "createdOn":
1600767254218,

"lastUpdatedOn":
1600767254224,
            "name":
"Orchestrator-Package",

"supportPackageMerge":
true,

"supportsDependencies":
false,

"supportsFolders": false
        },
        {
            "id":
"Orchestrator-Workflow",
            "createdOn":
1600767254230,

"lastUpdatedOn":
1600767254236,
            "name":
"Orchestrator-Workflow",

"supportPackageMerge":
true,

"supportsDependencies":
true,

"supportsFolders": true
        },
        {
            "id":
"vSphere-
CustomSpecification",
            "createdOn":
1600767254382,

"lastUpdatedOn":
1600767254386,
            "name":
"vSphere-
CustomSpecification",

"supportPackageMerge":
false,
```

		"supportsDependencies": false,
		
		"supportsFolders": false
		},
		{
		"id": "vSphere-Template",
		"createdOn": 1600767254393,
		
		"lastUpdatedOn": 1600767254397,
		"name": "vSphere-Template",
		
		"supportPackageMerge": false,
		
		"supportsDependencies": false,
		
		"supportsFolders": false
		}
		],
		"metaData": {
		"totatlPages": 1,
		"totalElements": 26,
		"pageElements": 26,
		"size": 30,
		"page": 1
		}
		}	

Dependency Artifact Controller

Name	HTTP Method	Endpoint	Description
Get dependency artifacts	GET		

Endpoint Controller

Name	HTTP Method	Endpoint	Description

Get endpoints	GET	/lcm/cms/api/v1/endpoints Response Code : 200 OK Response body : { "contents": [{ "id": "a62c4d79-c2e1-416a-95de-215de772484c", "createdOn": 1601962196119, "lastUpdatedOn": 1601962196574, "supportCapture": true, "supportTest": true, "supportRelease": true, "supportTemplates": false, "supportOnlySourceControlledContent": true, "storeTemplates": false, "requestedBy": "admin@local", "name": "cava-vra-test", "enabled": true, "category": "Automation", "systemEndpoint": false, "version": "8.x", "server": "cava-6-245-135.eng.vmware.com", "userName": "fritz", "password": "locker:eb6210f2-4913-447f-916d-02e879fc84a7", "vroServerId": "4a2c5b69-b99a-4a2d-bbad-a9c354543705", "overlayPackageId": "fd5e8495-ee7b-468f-bc71-c45092d1f0ee", "reviewRequired": false, "endpointType": "CONTENT_ENDPOINT", "userIdentity": "admin@local" }, { "id": "4a2c5b69-b99a-4a2d-bbad-a9c354543705", "createdOn": 1601962195390, "lastUpdatedOn": 1601962195773, "supportCapture": true,	

```
            "supportTest": true,
            "supportRelease": true,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
true,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "cava-vra-test-
orchestrator",
            "enabled": true,
            "category":
"Orchestration",
            "systemEndpoint": false,
            "version": "8.x",
            "server": "cava-6-245-
135.eng.vmware.com",
            "userName": "fritz",
            "password":
"locker:85be2b3c-34fe-411b-8723-
6042ba87f749",
            "ignoreModules":
"com.vmware",
            "ignoreWorkflowFolders":
"/Library,/System",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
            "userIdentity":
"admin@local"
        },
        {
            "id": "f2c8c8d6-084e-
4296-a9d1-1612db78755b",
            "createdOn":
1599798387346,
            "lastUpdatedOn":
1599798387358,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": true,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "bbcloud-test2",
            "enabled": true,
            "category":
"SourceControl",
            "systemEndpoint": false,
```

```
            "server":
"bitbucket.org",
            "password": "",
            "sourceControlType":
"bitbucket-cloud",
            "reviewRequired": false,
            "sourceControlServerId":
"83736112-e915-4732-b6c3-
46f4f3dd1434",
            "endpointType":
"CONTENT_ENDPOINT",
            "branch": "master",
            "repository": "repo-
test",
            "userIdentity":
"admin@local"
        },
        {
            "id": "5983b808-4bd9-
453c-84bb-82f5fb901bd0",
            "createdOn":
1599796503160,
            "lastUpdatedOn":
1599796503615,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": true,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "VRA-NIGHTLY-
RELEASE",
            "enabled": true,
            "category": "Automation",
            "systemEndpoint": false,
            "version": "8.x",
            "server": "lcm-32-
222.sqa.local",
            "userName":
"configadmin",
            "password":
"locker:74ee1c45-275d-47e6-b573-
5312b28df14f",
            "vroServerId": "49bb40a9-
9fbf-460f-b24e-6d96fdaa287b",
            "overlayPackageId":
"fd5e8495-ee7b-468f-bc71-
c45092d1f0ee",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
```

```
            "userIdentity":
"admin@local"
        },
        {
            "id": "6821d75e-091a-
494e-91ff-4bc058e169de",
            "createdOn":
1599795944452,
            "lastUpdatedOn":
1599795944478,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": true,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "VRA-NIGHTLY-
TEST",
            "enabled": true,
            "category": "Automation",
            "systemEndpoint": false,
            "version": "8.x",
            "server": "lcm-32-
222.sqa.local",
            "userName":
"configadmin",
            "password":
"locker:8afa36da-4723-4b42-8816-
e49fbcd3c2ae",
            "vroServerId": "49bb40a9-
9fbf-460f-b24e-6d96fdaa287b",
            "overlayPackageId":
"fd5e8495-ee7b-468f-bc71-
c45092d1f0ee",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
            "userIdentity":
"admin@local"
        },
        {
            "id": "f34ba9d4-45e4-
4d11-aefa-d2200cdaca0c",
            "createdOn":
1599794260747,
            "lastUpdatedOn":
1599794261127,
            "errorMessage": "Endpoint
test connection failed",
            "supportCapture": true,
            "supportTest": true,
```

```
            "supportRelease": false,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "vra-temp",
            "enabled": false,
            "category": "Automation",
            "systemEndpoint": false,
            "version": "8.x",
            "server": "lcm-56-
82.sqa.local",
            "userName":
"configadmin",
            "password":
"locker:82f38757-baaf-4031-9ffe-
6ffe3049f198",
            "vroServerId": "49bb40a9-
9fbf-460f-b24e-6d96fdaa287b",
            "overlayPackageId":
"fd5e8495-ee7b-468f-bc71-
c45092d1f0ee",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
            "userIdentity":
"admin@local"
        },
        {
            "id": "3d8d82ac-b3a7-
474e-8eac-2ecd8e7f81c3",
            "createdOn":
1599741029823,
            "lastUpdatedOn":
1599741030166,
            "errorMessage": "Endpoint
test connection failed",
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": false,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "VRA-test",
            "enabled": false,
            "category": "Automation",
            "systemEndpoint": false,
```

```
            "version": "8.x",
            "server": "lcm-56-
82.sqa.local",
            "userName":
"configadmin",
            "password":
"locker:d166cd00-44ba-4b57-936b-
ed03ba850e40",
            "vroServerId": "49bb40a9-
9fbf-460f-b24e-6d96fdaa287b",
            "overlayPackageId":
"fd5e8495-ee7b-468f-bc71-
c45092d1f0ee",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
            "userIdentity":
"admin@local"
        },
        {
            "id": "49bb40a9-9fbf-
460f-b24e-6d96fdaa287b",
            "createdOn":
1599741029038,
            "lastUpdatedOn":
1599741029409,
            "errorMessage": "Endpoint
test connection failed",
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": false,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "VRA-test-
orchestrator",
            "enabled": false,
            "category":
"Orchestration",
            "systemEndpoint": false,
            "version": "8.x",
            "server": "lcm-56-
82.sqa.local",
            "userName":
"configadmin",
            "password":
"locker:4197ceae-16e0-46af-844b-
fa866e9a2bd7",
            "ignoreModules":
"com.vmware",
```

```
            "ignoreWorkflowFolders":
"/Library,/System",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
            "userIdentity":
"admin@local"
        },
        {
            "id": "ba5540fb-e180-
4dd9-9bc6-99cf51ce11b7",
            "createdOn":
1599740476959,
            "lastUpdatedOn":
1599740477317,
            "errorMessage": "Endpoint
test connection failed",
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": false,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "vRO-test",
            "enabled": false,
            "category":
"Orchestration",
            "systemEndpoint": false,
            "version": "8.x",
            "server": "lcm-56-
82.sqa.local",
            "userName":
"configadmin",
            "password":
"locker:7d851788-bc0c-460c-a534-
36751c12cb73",
            "ignoreModules":
"com.vmware",
            "ignoreWorkflowFolders":
"/Library,/System",
            "reviewRequired": false,
            "endpointType":
"CONTENT_ENDPOINT",
            "userIdentity":
"admin@local"
        },
        {
            "id": "2e906674-544e-
4793-917b-145fa9285f91",
            "createdOn":
1599659228602,
```

```
            "lastUpdatedOn":
1599659228615,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": false,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
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            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "bbcloud-test",
            "enabled": true,
            "category":
"SourceControl",
            "systemEndpoint": false,
            "server":
"bitbucket.org",
            "password": "",
            "sourceControlType":
"bitbucket-cloud",
            "reviewRequired": false,
            "sourceControlServerId":
"83736112-e915-4732-b6c3-
46f4f3dd1434",
            "endpointType":
"CONTENT_ENDPOINT",
            "branch": "master",
            "repository": "repo-
demo",
            "userIdentity":
"admin@local"
        },
        {
            "id": "6fed12f0-739e-
4f9d-b7f4-0799a585a6be",
            "createdOn":
1598846946890,
            "lastUpdatedOn":
1598846946902,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": true,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "gitlab-test2",
            "enabled": true,
```

```
            "category":
"SourceControl",
            "systemEndpoint": false,
            "server":
"gitlab.eng.vmware.com",
            "password": "",
            "sourceControlType":
"gitlab",
            "reviewRequired": false,
            "sourceControlServerId":
"fb735a14-2784-4998-b7f7-
54e2d59e912f",
            "endpointType":
"CONTENT_ENDPOINT",
            "branch": "master",
            "repository": "lcm-sca-
group/subgroup/demo-project",
            "userIdentity":
"admin@local"
        },
        {
            "id": "e147c809-943d-
41c9-8089-65a771e3e25b",
            "createdOn":
1598845791864,
            "lastUpdatedOn":
1598845791876,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": true,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "gitlab-test1",
            "enabled": true,
            "category":
"SourceControl",
            "systemEndpoint": false,
            "server":
"gitlab.eng.vmware.com",
            "password": "",
            "sourceControlType":
"gitlab",
            "reviewRequired": false,
            "sourceControlServerId":
"fb735a14-2784-4998-b7f7-
54e2d59e912f",
            "endpointType":
"CONTENT_ENDPOINT",
            "branch": "master",
```

```
            "repository": "lcm-sca-
group/lcm-sca-demo",
            "userIdentity":
"admin@local"
        },
        {
            "id": "d1757d22-305b-
48a6-af9c-da2068d9def0",
            "createdOn":
1598845618899,
            "lastUpdatedOn":
1598845618911,
            "supportCapture": true,
            "supportTest": true,
            "supportRelease": false,
            "supportTemplates":
false,

"supportOnlySourceControlledContent":
false,
            "storeTemplates": false,
            "requestedBy":
"admin@local",
            "name": "gitlab-test",
            "enabled": true,
            "category":
"SourceControl",
            "systemEndpoint": false,
            "server":
"gitlab.eng.vmware.com",
            "password": "",
            "sourceControlType":
"gitlab",
            "reviewRequired": false,
            "sourceControlServerId":
"fb735a14-2784-4998-b7f7-
54e2d59e912f",
            "endpointType":
"CONTENT_ENDPOINT",
            "branch": "master",
            "repository": "lcm-sca-
group/lcm-sca-demo",
            "userIdentity":
"admin@local"
        },
        {
            "id": "283a1543-2547-
4dee-92b5-addafaa87999",
            "createdOn":
1598610409810,
            "lastUpdatedOn":
1598610409828,
            "errorMessage": "Endpoint
test connection failed",
            "supportCapture": true,
            "supportTest": true,
```

		"supportRelease": true,
		"supportTemplates": false,
		"supportOnlySourceControlledContent": false,
		"storeTemplates": false,
		"requestedBy": "admin@local",
		"name": "vROps-test",
		"enabled": false,
		"category": "Operations",
		"systemEndpoint": false,
		"server": "10.196.57.80",
		"userName": "admin@local",
		"password": "locker:8cfd2613-03eb-403d-803e-a21bf5c78a94",
		"sshUserName": "root",
		"sshPassword": "locker:8af5058a-ea14-4b90-b4c9-500c17c9f2ea",
		"reviewRequired": false,
		"endpointType": "CONTENT_ENDPOINT",
		"userIdentity": "admin@local"
		}
		],
		"metaData": {
		"totatlPages": 1,
		"totalElements": 14,
		"pageElements": 14,
		"size": 20,
		"page": 1
		}
		}	

Create endpoint	POST	/lcm/cms/api/v1/endpoints Response Code : 200 OK Response body :	

Get endpoint with 'id'	GET	/lcm/cms/api/v1/endpoints
		Request parameter :
		id : a62c4d79-c2e1-416a-95de-215de772484c
		Response Code : 200 OK
		Response body :
		
		{
		"contents": [
		{
		"id": "a62c4d79-c2e1-416a-95de-215de772484c",
		"createdOn": 1601962196119,
		"lastUpdatedOn": 1601962196574,
		"supportCapture": true,
		"supportTest": true,
		"supportRelease": true,
		"supportTemplates": false,
		"supportOnlySourceControlledContent": true,
		"storeTemplates": false,
		"requestedBy": "admin@local",
		"name": "cava-vra-test",
		"enabled": true,
		"category": "Automation",
		"systemEndpoint": false,
		"version": "8.x",
		"server": "cava-6-245-135.eng.vmware.com",
		"userName": "fritz",
		"password": "locker:eb6210f2-4913-447f-916d-02e879fc84a7",
		"vroServerId": "4a2c5b69-b99a-4a2d-bbad-a9c354543705",
		"overlayPackageId": "fd5e8495-ee7b-468f-bc71-c45092d1f0ee",
		"reviewRequired": false,
		"endpointType": "CONTENT_ENDPOINT",
		"userIdentity": "admin@local"
		}
		],
		"metaData": {
		"totatlPages": 1,
		"totalElements": 1,
		"pageElements": 1,	

		"size": 20, "page": 1 } }	
Update endpoint with 'id'	PUT	/lcm/cms/api/v1/endpoints Response Code : 200 OK Response body :	
Delete endpoint with 'id'	DELETE	/lcm/cms/api/v1/endpoints Response Code : 200 OK Response body :	

Endpoint Server Controller

Name	HTTP Method	Endpoint	Description

Get endpoint servers	GET	/lcm/cms/api/v1/endpoint-servers Response Code : 200 OK Response body : { "contents": [{ "name": "bitbucket", "proxyEnabled": false, "requestId": "1faf8da8-71c2-4a6b-916a-81deb56619ed", "requestedBy": "admin@local", "lastUpdatedBy": "admin@local" }, { "name": "bitbucket.org", "proxyEnabled": false, "requestId": "f2e38537-4f2c-4c4b-ba5a-cfa34e82ab47", "requestedBy": "admin@local", "lastUpdatedBy": "admin@local" }, { "name": "gitlab.rishi", "proxyEnabled": false, "requestId": "6e369ae8-e6f6-450b-bbd8-a7e7e46cced7", "requestedBy": "admin@local", "lastUpdatedBy": "admin@local" }, {	

		"name": "gitlab.eng.vmware.com",
		
		"proxyEnabled": false,
		"requestId": "f8bc61c7-dd2d-4d13-a7cc-14e265424c65",
		
		"requestedBy": "admin@local",
		
		"lastUpdatedBy": "admin@local"
		}
		],
		"metaData": {
		"totatlPages": 1,
		"totalElements": 4,
		"pageElements": 4,
		"size": 20,
		"page": 1
		}
		}	

Update endpoint	PUT	/lcm/cms/api/v1/endpoint-servers
		Request body :
		
		{
		"endpointServersList": [
		{
		"lastUpdatedBy": "string",
		"name": "string",
		"proxyEnabled": true,
		"requestId": "string",
		"requestedBy": "string"
		}
		]
		}
		
		Response Code : 200 OK	

Global Config Controller

Name	HTTP Method	Endpoint	Description

Get global config	GET	/lcm/cms/api/v1/globalConfig
		`Response Code : 200 OK`
		`Response body :`
		
		`{`
		`"createProductionContent": false`
		`}`	

List Controller

Name	HTTP Method	Endpoint	Description

List Content	GET	/lcm/cms/api/v1/endpoints/{id}/content-list/{type}
		Request parameters :
		id (version id) : 283a1543-2547-4dee-92b5-addafaa87999
		type (content type) : Operations-Supermetric
		
		Response Code : 202 Accepted
		Response body :
		
		{
		"requestId": "55522783-4c1d-460f-9897-39aa5cb0853f",
		"status": "IN_PROGRESS",
		"message": "Creating List Content",
		"referenceId": "9de8ae11-17d5-4dcf-9199-4e1f924c8a3b"
		}	

List content by ID	GET		

Multi Content Controller

Name	HTTP Method	Endpoint	Description
Create multi content pipeline	POST		

Pipeline Controller

Name	HTTPMethod	Endpoint	Description

Get all pipelines	GET	/lcm/cms/api/v1/pipelines Response Code : 200 OK Response body : { "contents": [{ "id": "post-deploy-pipeline", "createdOn": 1598592805057, "lastUpdatedOn": 1598592805057, "name": "Post-Deploy-Pipeline", "pipelineType": "STUB_PIPELINE", "activated": false, "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE", "paramList": "contentEndpoint,contentId,contentName,contentType,contentVersionId,requestId,requestNumber,status,requestedBy,userIdentity" }, { "id": "pre-deploy-pipeline", "createdOn": 1598592805036, "lastUpdatedOn": 1598592805036, "name": "Pre-Deploy-Pipeline", "pipelineType": "STUB_PIPELINE", "activated": false, "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE", "paramList": "contentEndpoint,contentId,contentName,contentType,contentVersionId,requestId,requestNumber,requestedBy,userIdentity" }, { "id": "post-test-pipeline", "createdOn": 1598592805018, "lastUpdatedOn": 1598592805018, "name": "Post-Test-Pipeline", "pipelineType": "STUB_PIPELINE", "activated": false, "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE", "paramList": "contentEndpoint,contentId,contentName,contentType,contentVersionId,requestId,requestNumber,status,requestedBy,userIdentity" }, { "id": "pre-test-pipeline", "createdOn": 1598592805006, "lastUpdatedOn": 1598592805006, "name": "Pre-Test-Pipeline", "pipelineType": "STUB_PIPELINE", "activated": false, "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE", "paramList": "contentEndpoint,contentId,contentName,contentType,contentVersionId,requestId,requestNumber,requestedBy,userIdentity" }, { "id": "post-capture-pipeline",	

```
            "createdOn": 1598592804978,
            "lastUpdatedOn": 1598592804978,
            "name": "Post-Capture-Pipeline",
            "pipelineType": "STUB_PIPELINE",
            "activated": false,
            "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE",
            "paramList":
"contentEndpoint,contentId,contentName,contentType,contentVersionI
d,requestId,requestNumber,status,requestedBy,userIdentity,tagNames
"
        },
        {
            "id": "pre-capture-pipeline",
            "createdOn": 1598592804969,
            "lastUpdatedOn": 1598592804969,
            "name": "Pre-Capture-Pipeline",
            "pipelineType": "STUB_PIPELINE",
            "activated": false,
            "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE",
            "paramList":
"contentEndpoint,contentId,contentName,contentType,contentVersionI
d,requestId,requestNumber,requestedBy,userIdentity,tagNames"
        },
        {
            "id": "capture-pipeline",
            "createdOn": 1598592804957,
            "lastUpdatedOn": 1598592804957,
            "name": "Capture-Pipeline",
            "pipelineType": "CAPTURE_PIPELINE",
            "activated": false,
            "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE"
        },
        {
            "id": "content-pipeline",
            "createdOn": 1598592804914,
            "lastUpdatedOn": 1598592804914,
            "name": "Content-Pipeline",
            "pipelineType": "CONTENT_PIPELINE",
            "activated": false,
            "pipelineCondition": "EXECUTE_ON_SUCCESS_AND_FAILURE"
        }
    ],
    "metaData": {
        "totatlPages": 1,
        "totalElements": 8,
        "pageElements": 8,
        "size": 20,
        "page": 1
    }
}
```

ConfigurePrePostpipelines	PUT		

Get pipeline executions	GET	/lcm/cms/api/v1/pipelines/executions Response Code : 200 OK Response body : { "contents": [{ "id": "a2d43a3c-15d9-448c-979c-e4330c933ec6", "createdOn": 1601962318524, "lastUpdatedOn": 1601962344959, "pipelineType": "CONTENT_PIPELINE", "category": "Unknown", "pipelineData": "{\"stages\":[{\"stage\":\"CAPTURE\",\"comment\":\"cava test\",\"endpointIds\":[\"a62c4d79-c2e1-416a-95de-215de772484c\"],\"tagNames\":[],\"contents\":[{\"contentDetails\":[{\"contentName\":\"compute-removal-subs-abx\",\"contentId\":\"sub_1601960733833\"},{\"contentName\":\"test-subscription\",\"contentId\":\"sub_1601960091971\"}],\"contentType\":\"Automation-Subscription\",\"captureByFolder\":false}],\"vroSharedPackageName\":null,\"productionReady\":false,\"includeDependencies\":false,\"contentVersionIds\":[\"b011924b-885c-4865-866f-187e545fce28\",\"a455defa-e418-43fc-b213-d2092d605538\"],\"unitTestEndpointId\":null,\"enableUnitTests\":false,\"enableDeploy\":false,\"stopUnitTestsOnFirstFailure\":false,\"deployLatest\":true,\"stopDeployOnFirstFailure\":true,\"deployFiles\":[],\"requestId\":\"fd619303-e5bd-439d-bc3f-204883ce7e2b\",\"requestNumber\":99,\"preEnabled\":false,\"postEnabled\":false,\"postPipelineCondition\":null,\"requestedBy\":\"admin@local\",\"userIdentity\":\"admin@local\",\"timeout\":28800,\"stubTimeout\":3600,\"status\":null}],\"requestId\":\"fd619303-e5bd-439d-bc3f-204883ce7e2b\",\"requestedBy\":\"admin@local\"}", "status": "COMPLETED", "requestId": "fd619303-e5bd-439d-bc3f-204883ce7e2b", "engineId": "a966e60e-b07a-47cd-97fe-e22caf5c7313", "pipelineId": "content-pipeline", "executionNumber": 62, "requestedBy": "admin@local", "startedOn": 1601962322657 }, { "id": "fd23fefe-a687-421a-85bd-5c367ff5e1ad", "createdOn": 1601962324850, "lastUpdatedOn": 1601962338918, "contentType": "Automation-Subscription", "contentName": "test-subscription", "pipelineType": "CAPTURE_PIPELINE", "category": "Automation", "pipelineData": "{\"stage\":\"CAPTURE\",\"comment\":\"cava test\",\"endpointIds\":[\"a62c4d79-c2e1-416a-95de-	

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Proxy Controller

Name	HTTP Method	Endpoint	Description

Get proxy	GET	/lcm/cms/api/v1/proxy
		Response Code : 200 OK
		Response body :
		{
		"proxyEnabled": false,
		"port": 0,
		"proxyEnabledInContentMgmt": false
		}	

Request Controller

Name	HTTPMethod	Endpoint	Description

Get requests	GET	/lcm/cms/api/v1/requests Response Code : 200 OK Response body : { "contents": [{ "id": "fd619303-e5bd-439d-bc3f-204883ce7e2b", "createdOn": 1601962318483, "lastUpdatedOn": 1601962344957, "status": "COMPLETED", "inputParameters": "{\"stages\":[{\"stage\":\"CAPTURE\",\"comment\":\"cava test\",\"endpointIds\":[\"a62c4d79-c2e1-416a-95de- 215de772484c\"],\"tagNames\":[],\"contents\":[{\"contentDetails\": [{\"contentName\":\"compute-removal-subs-abx - [id=sub_1601960733833]\",\"contentId\":null},{\"contentName\":\"te st-subscription - [id=sub_1601960091971]\",\"contentId\":null}],\"contentType\":\"Au tomation- Subscription\",\"captureByFolder\":false}],\"vroSharedPackageName\ ":null,\"productionReady\":false,\"includeDependencies\":false,\"c ontentVersionIds\":[],\"unitTestEndpointId\":null,\"enableUnitTest s\":false,\"enableDeploy\":false,\"stopUnitTestsOnFirstFailure\":f alse,\"deployLatest\":true,\"stopDeployOnFirstFailure\":true,\"dep loyFiles\":[],\"requestId\":null,\"requestNumber\":null,\"preEnabl ed\":false,\"postEnabled\":false,\"postPipelineCondition\":null,\" requestedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTi meout\":null,\"status\":null}],\"requestId\":null,\"requestedBy\": null}", "message": "{\"summaryMessage\":\"Content pipeline failed\",\"failures\":[]}", "actionName": "Multi-Content", "internalRequest": false, "requestNumber": 99 }, { "id": "6a95f52e-2e5c-4e95-bc0a-85b31818ae16", "createdOn": 1601962195746, "lastUpdatedOn": 1601962200708, "status": "COMPLETED", "outParameters": "4a2c5b69-b99a-4a2d-bbad- a9c354543705", "message": "Endpoint Successfully Created", "actionName": "CREATED ENDPOINT", "requestedBy": "admin@local", "internalRequest": false, "requestNumber": 97 }, { "id": "1fa21e80-41c6-4925-9319-d6ea7c7dd507", "createdOn": 1601962196552, "lastUpdatedOn": 1601962198464, "status": "COMPLETED", "outParameters": "a62c4d79-c2e1-416a-95de- 215de772484c",	

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            "inputParameters": "{\"stages\":[{\"stage\":\"TEST\",\"comment\":\"unit test\",\"endpointIds\":[\"5983b808-4bd9-453c-84bb-82f5fb901bd0\"],\"tagNames\":[],\"contents\":[],\"vroSharedPackageName\":null,\"productionReady\":false,\"includeDependencies\":false,\"contentVersionIds\":[\"6525801a-f02a-4084-8d72-077e1a26e891\"],\"unitTestEndpointId\":\"49bb40a9-9fbf-460f-b24e-6d96fdaa287b\",\"enableUnitTests\":true,\"enableDeploy\":true,\"stopUnitTestsOnFirstFailure\":true,\"deployLatest\":true,\"stopDeployOnFirstFailure\":true,\"deployFiles\":[],\"requestId\":null,\"requestNumber\":null,\"preEnabled\":false,\"postEnabled\":false,\"postPipelineCondition\":null,\"requestedBy\":null,\"userIdentity\":nu

ll,\"timeout\":null,\"stubTimeout\":null,\"status\":null}],\"reque
stId\":null,\"requestedBy\":null}",
            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 86
        },
        {
            "id": "2eebd74a-16d4-40fb-9787-0dd77a76ba96",
            "createdOn": 1600165521052,
            "lastUpdatedOn": 1600165547299,
            "status": "COMPLETED",
            "inputParameters":
"{\"stages\":[{\"stage\":\"DEPLOY\",\"comment\":\"check in
\",\"endpointIds\":[\"f2c8c8d6-084e-4296-a9d1-
1612db78755b\"],\"tagNames\":[],\"contents\":[],\"vroSharedPackage
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"deployLatest\":false,\"stopDeployOnFirstFailure\":true,\"deployFi
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false,\"postEnabled\":false,\"postPipelineCondition\":null,\"reque
stedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout
\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
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            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 85
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        {
            "id": "576eab36-a866-4d26-bf2c-a1d5787d8e08",
            "createdOn": 1600158426681,
            "lastUpdatedOn": 1600158454339,
            "status": "COMPLETED",
            "inputParameters":
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1612db78755b\"],\"tagNames\":[],\"contents\":[],\"vroSharedPackage
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"deployLatest\":false,\"stopDeployOnFirstFailure\":true,\"deployFi
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false,\"postEnabled\":false,\"postPipelineCondition\":null,\"reque
stedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout
\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
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            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,

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            "requestNumber": 84
        },
        {
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            "createdOn": 1600158338156,
            "lastUpdatedOn": 1600158358657,
            "status": "COMPLETED",
            "inputParameters":
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stedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout
\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
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            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 83
        },
        {
            "id": "9b2ef41e-298f-481a-87de-73abe4498d48",
            "createdOn": 1600146529723,
            "lastUpdatedOn": 1600146555750,
            "status": "COMPLETED",
            "inputParameters":
"{\"stages\":[{\"stage\":\"DEPLOY\",\"comment\":\"check in
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"deployLatest\":false,\"stopDeployOnFirstFailure\":true,\"deployFi
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false,\"postEnabled\":false,\"postPipelineCondition\":null,\"reque
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\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
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            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 82
        },
        {
            "id": "734abd28-7daa-4b9d-b332-56e8196532e9",
            "createdOn": 1600068792140,
            "lastUpdatedOn": 1600068819751,
```

```
            "status": "COMPLETED",
            "inputParameters":
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1612db78755b\"],\"tagNames\":[],\"contents\":[],\"vroSharedPackage
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"deployLatest\":false,\"stopDeployOnFirstFailure\":true,\"deployFi
les\":[],\"requestId\":null,\"requestNumber\":null,\"preEnabled\":
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stedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout
\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
",
            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 81
        },
        {
            "id": "cd01d726-fccb-463e-b766-a4814b0e76e4",
            "createdOn": 1600055669144,
            "lastUpdatedOn": 1600055684741,
            "status": "COMPLETED",
            "inputParameters":
"{\"stages\":[{\"stage\":\"DEPLOY\",\"comment\":\"check in
\",\"endpointIds\":[\"f2c8c8d6-084e-4296-a9d1-
1612db78755b\"],\"tagNames\":[],\"contents\":[],\"vroSharedPackage
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stedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout
\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
",
            "message": "{\"summaryMessage\":\"Content pipeline
failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 80
        },
        {
            "id": "95fd7415-ca70-47ae-849c-89a15ece0cb2",
            "createdOn": 1600055454605,
            "lastUpdatedOn": 1600055482272,
            "status": "COMPLETED",
            "inputParameters":
"{\"stages\":[{\"stage\":\"CAPTURE\",\"comment\":\"check
out\",\"endpointIds\":[\"2e906674-544e-4793-917b-
145fa9285f91\"],\"tagNames\":[],\"contents\":[{\"contentDetails\":
[{\"contentName\":\"Is vmnic3
```

down?\",\"contentId\":null},{\"contentName\":\"Load Balancer Sessions Rate\",\"contentId\":null}],\"contentType\":\"Operations-SuperMetric\",\"captureByFolder\":false}],\"vroSharedPackageName\":null,\"productionReady\":false,\"includeDependencies\":false,\"contentVersionIds\":[],\"unitTestEndpointId\":null,\"enableUnitTests\":false,\"enableDeploy\":false,\"stopUnitTestsOnFirstFailure\":false,\"deployLatest\":true,\"stopDeployOnFirstFailure\":true,\"deployFiles\":[],\"requestId\":null,\"requestNumber\":null,\"preEnabled\":false,\"postEnabled\":false,\"postPipelineCondition\":null,\"requestedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}",
            "message": "{\"summaryMessage\":\"Content pipeline failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 79
        },
        {
            "id": "16524bcf-3780-4f31-bbb9-56ddc8ae9ed5",
            "createdOn": 1600055240612,
            "lastUpdatedOn": 1600055263652,
            "status": "COMPLETED",
            "inputParameters": "{\"stages\":[{\"stage\":\"CAPTURE\",\"comment\":\"check out\",\"endpointIds\":[\"f2c8c8d6-084e-4296-a9d1-1612db78755b\"],\"tagNames\":[],\"contents\":[{\"contentDetails\":[{\"contentName\":\"Load Balancer Session Count\",\"contentId\":null},{\"contentName\":\"Load Balancer Sessions Rate\",\"contentId\":null},{\"contentName\":\"Is vmnic3 down?\",\"contentId\":null}],\"contentType\":\"Operations-SuperMetric\",\"captureByFolder\":false}],\"vroSharedPackageName\":null,\"productionReady\":false,\"includeDependencies\":false,\"contentVersionIds\":[],\"unitTestEndpointId\":null,\"enableUnitTests\":false,\"enableDeploy\":false,\"stopUnitTestsOnFirstFailure\":false,\"deployLatest\":true,\"stopDeployOnFirstFailure\":true,\"deployFiles\":[],\"requestId\":null,\"requestNumber\":null,\"preEnabled\":false,\"postEnabled\":false,\"postPipelineCondition\":null,\"requestedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}",
            "message": "{\"summaryMessage\":\"Content pipeline failed\",\"failures\":[]}",
            "actionName": "Multi-Content",
            "internalRequest": false,
            "requestNumber": 78
        }
    ],
    "metaData": {
        "totatlPages": 4,
        "totalElements": 78,
        "pageElements": 20,
        "size": 20,
        "page": 1
    }
}

Get requests with ID	GET	/lcm/cms/api/v1/requests/{id}
		parameter :
		id : cd01d726-fccb-463e-b766-a4814b0e76e4
		
		Response Code : 202 Accepted
		Response body :
		
		{
		"id": "cd01d726-fccb-463e-b766-a4814b0e76e4",
		"createdOn": 1600055669144,
		"lastUpdatedOn": 1600055684741,
		"status": "COMPLETED",
		"inputParameters":
		"{\"stages\":[{\"stage\":\"DEPLOY\",\"comment\":\"check in
		\",\"endpointIds\":[\"f2c8c8d6-084e-4296-a9d1-
		1612db78755b\"],\"tagNames\":[],\"contents\":[],\"vroSharedPackage
		Name\":null,\"productionReady\":false,\"includeDependencies\":fals
		e,\"contentVersionIds\":[\"8101cb3f-d917-4a20-83d5-
		336ae7fe5dc0\"],\"unitTestEndpointId\":null,\"enableUnitTests\":fa
		lse,\"enableDeploy\":false,\"stopUnitTestsOnFirstFailure\":false,\
		"deployLatest\":false,\"stopDeployOnFirstFailure\":true,\"deployFi
		les\":[],\"requestId\":null,\"requestNumber\":null,\"preEnabled\":
		false,\"postEnabled\":false,\"postPipelineCondition\":null,\"reque
		stedBy\":null,\"userIdentity\":null,\"timeout\":null,\"stubTimeout
		\":null,\"status\":null}],\"requestId\":null,\"requestedBy\":null}
		",
		"message": "{\"summaryMessage\":\"Content pipeline
		failed\",\"failures\":[]}",
		"actionName": "Multi-Content",
		"internalRequest": false,
		"requestNumber": 80
		}	

Tenant Management APIs

What is Tenant Management

Please refer to doc: vRSLCM Tenant Management for a detailed description of Tenant Management via vRSLCM.

In summary: vRSLCM offers convenient UI to enable multi tenancy in vIDM, create and manage tenants in vIDM and configure vRealize products (vRA at the moment) to use these tenants. The public APIs under Tenant Management Controller below offers the same functionality for programmatic use. A typical sequence to use these APIs will be as follos:

- Satisfy the prerequisites for enabling multi tenancy as described here: vRSLCM Multi Tenancy Model
- Enable multi tenancy using API#1 described in the below table
- Create a new tenant and optionally configure a product to use that tenant using API#4 in the below table
- Configure a product to use previously created tenant using API#5 in the below table
- Get a list of existing tenants and the products that have been configured to use for each of the tenant using API#2 in the below table
- Since all of the above APIs are asynchronous in nature, another api - API#3 is used to get the results of any previously invoked API

Tenant Management Controller

Name	HTTP Method	Endpoint	Description

#1 Enable multitenancy	POST	/lcm/authzn/api/v2/idp/tenants/multitenancy/enable
		Request body :
		
		{
		"masterAlias": "Newmaster56-157"
		"productsToRegister": [
		{
		"environmentId": "cd6043b4-4848-4f57-90f9-90ab87274185",
		"productId": "vra"
		}
		],
		}
		
		Response Code : 200 OK
		Response body :
		
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			Several prerequisites must be satisfied before invoking this API. These are detailed in this document here: vRSLCM Multi Tenancy Model
			
			productsToRegister: Is an optional field. If not supplied, the API will only enable multi tenancy without re-trusting any of the products with vIDM. Users must manually retrust the products via UI before using
			
			any other Tenant Management APIs.

#2 Fetch list of tenants	GET	/lcm/authzn/api/v2/idp/tenants
		Response Code : 200 OK
		Response body :
		
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			requestId: Unique identifier using which one can get the status of this request. If the request completes successfully, it will return list of tenants in the system.

#3 Get status & results of previously submitted request	GET	/lcm/authzn/api/v2/idp/tenants/requests/{requestId}
		Request parameter : requestId
		
		Response Code : 200 OK
		Response body:
		
		{
		"requestId": "d345a798-a896-4104-8f48-6e461f8db6be",
		"requestStatus": "COMPLETED",
		"resultdetails": {
		"messages": [
		],
		"tenants": [
		{
		"tenantName": "Cokedev56-157",
		"tenantState": "UNASSIGNED",
		"tenantType": "ACTIVE"
		}
		]
		}
		}
			requestStatus: Can be **COMPLETED, FAILED or INPROGRESS**
			
			tenants: List of tenants in the system

#4
Onboard a tenant and associate it with products if applicable
	POST	/lcm/authzn/api/v2/idp/tenants/onboard/{tenantName}
		Request parameter : tenantName
		
		Request body:
		{
		"migratePreludeOAuthClients": true,
		"productsToAssociateWith": [
		{
		"environmentId": "cd6043b4-4848-4f57-90f9-90ab87274185",
		"productId": "vra"
		}
		],
		"vidmCludDto": {
		"email": "frodo@vmware.com",
		"familyName": "Pepsidev56-157",
		"givenName": "Pepsidev56-157",
		"password": "xxxxx",
		"userName": "Pepsidev56-157"
		},
		"vidmDclDTO": {
		"adOverLdapDirectories": [
		{
		"directoryBindPassword": "xxxx",
		"directoryName": "string"
		}
		],
		"adWithIwaDirectories": [
		{
		"directoryBindPassword": "xxxx",
		"directoryName": "string",
		"domainAdminPassword": "xxxx"
		}
		]
		}
		}
		
		Response Code : 200 OK
		
		Response body:
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			migratePreludeOAuthClients: Is an optional field, default value is True
			productsToAssociateWith: Is an optional field. If not supplied, the API will only onboard the new tenant in VIDM but not associate it with any product.
			vidmCluDto: Is required and are details of the tenand administrator
			vidmDclDTO: Is optional

#5 Associate an existing tenant with products	PUT	/lcm/authzn/api/v2/idp/tenants/associate/{tenantName}
		Request parameter : tenantName
		
		Response Code : 200 OK
		Request body:
		
		{
		  "migratePreludeOAuthClients": true,
		  "productsToAssociateWith": [
		  {
		  "environmentId": "cd6043b4-4848-4f57-90f9-90ab87274185",
		  "productId": "vra"
		  }
		  ],
		  "vidmCludDto": {
		  "email": "frodo@vmware.com",
		  "familyName": "Pepsidev56-157",
		  "givenName": "Pepsidev56-157",
		  "password": "xxxxx",
		  "userName": "Pepsidev56-157"
		  },
		  "vidmDclDTO": {
		  "adOverLdapDirectories": [
		  {
		  "directoryBindPassword": "xxxx",
		  "directoryName": "string"
		  }
		  ],
		  "adWithIwaDirectories": [
		  {
		  "directoryBindPassword": "xxxx",
		  "directoryName": "string",
		  "domainAdminPassword": "xxxx"
		  }
		  ]
		  }
		}
		
		Response body:
		{
		  "requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			migratePreludeOAuthClients: Is an optional field, default value is True
			productsToAssociateWith: Is an optional field. If not supplied, the API will only onboard the new tenant in VIDM but not associate it with any product.
			vidmCluDto: Is required and are details of the tenand administrator
			vidmDclDTO: Is optional

Snapshot Inventory APIs

Name	HTTP Method	Endpoint	Comment

Get all Product Snapshots	GET	/lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory
		Request parameters:
		environmentId, productId
		
		Query parameters:
		tenantId
		
		Response Code : 200 OK
		Response body :
		
		[
		{
		"snapshotId": "ba89bb68-6786-4fbe-b3e3-fe5cf3a5eca1",
		
		"snapshotGeneratedTime": 1629390494756,
		"snapshotName": "test-19-aug",
		"snapshotWithMemory": false,
		"quiesceSnapshot": false,
		"shutdownSnapshot": true,
		"currentSnapshot": false,
		"validSnapshotNodes": [
		{
		"type": "vrava-primary",
		"properties": {
		
		"hostName": "lcm-32-110.sqa.local",
		"vmName": "vrava-primary",
		"ip": "10.198.32.110"
		}
		}
		],
		
		"invalidSnapshotNodes": [],
		
		"missingSnapshotNodes": [],
		"description": "delete",
		"parentSnapshotId": null,
			For vSSC product Snapshot request has tenantId as query parameter
			
			/lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory?tenantId={tenantId}

```
        "status": "VALID",
        "childrenSnapshots":
[
            {
                "snapshotId":
"2347e467-632b-4124-8b2e-
643de4a66cae",

"snapshotGeneratedTime":
1629781082823,

"snapshotName": "test",

"snapshotWithMemory": false,

"quiesceSnapshot": false,

"shutdownSnapshot": true,

"currentSnapshot": false,

"validSnapshotNodes": [
                    {

"type": "vrava-primary",

"properties": {

"hostName": "lcm-32-
110.sqa.local",

"vmName": "vrava-primary",

"ip": "10.198.32.110"
                        }
                    }
                ],

"invalidSnapshotNodes": [],

"missingSnapshotNodes": [],

"description": "vRSLCM
Snapshot: Tue Aug 24 04:58:02
UTC 2021",

"parentSnapshotId":
"ba89bb68-6786-4fbe-b3e3-
fe5cf3a5eca1",
                "status":
"VALID",

"childrenSnapshots": [
                    {
```

"snapshotId": "260b6589-85cc-42d8-a204-450350281963",

"snapshotGeneratedTime": 1629785569356,

"snapshotName": "sanity-test",

"snapshotWithMemory": false,

"quiesceSnapshot": false,

"shutdownSnapshot": false,

"currentSnapshot": false,

"validSnapshotNodes": [
{

"type": "vrava-primary",

"properties": {

"hostName": "lcm-32-110.sqa.local",

"vmName": "vrava-primary",

"ip": "10.198.32.110"

}
}
],

"invalidSnapshotNodes": [],

"missingSnapshotNodes": [],

"description": "vRSLCM Snapshot: Tue Aug 24 06:12:48 UTC 2021",

"parentSnapshotId": "2347e467-632b-4124-8b2e-643de4a66cae",

"status": "VALID",

"childrenSnapshots": [
{

"snapshotId": "14718440-0d09-4ebb-bf42-5b108311c3ee",

"snapshotGeneratedTime": 1631710309906,

"snapshotName": "preupgrade",

"snapshotWithMemory": false,

"quiesceSnapshot": false,

"shutdownSnapshot": false,

"currentSnapshot": false,

"validSnapshotNodes": [

{

"type": "vrava-primary",

"properties": {

"hostName": "lcm-32-110.sqa.local",

"vmName": "vrava-primary",

"ip": "10.198.32.110"

}

}

],

"invalidSnapshotNodes": [],

"missingSnapshotNodes": [],

"description": "vRSLCM Snapshot: Wed Sep 15 12:51:49 UTC 2021",

"parentSnapshotId": "260b6589-85cc-42d8-a204-450350281963",

"status": "VALID",

"childrenSnapshots": [

{

"snapshotId": "349085d7-3d00-4ff8-9f86-bfdc318b3f36",

"snapshotGeneratedTime": 1631764698097,

"snapshotName": "vra_snapshot1",

"snapshotWithMemory": false,

"quiesceSnapshot": false,

"shutdownSnapshot": false,

"currentSnapshot": true,

"validSnapshotNodes": [

{

"type": "vrava-primary",

"properties": {

"hostName": "lcm-32-110.sqa.local",

"vmName": "vrava-primary",

"ip": "10.198.32.110"

}

}

],

"invalidSnapshotNodes": [],

"missingSnapshotNodes": [],

"description": "test",

"parentSnapshotId": "14718440-0d09-4ebb-bf42-5b108311c3ee",

"status": "VALID",

"childrenSnapshots": []

}

]

}

]

}

		<pre>]
		}
		]
		}
		]</pre>	

Create a Product Snapshot request	POST	lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory
		Request parameters: environmentId, productId
		
		Query parameters: tenantId
		
		Request body:
		<pre>{
		"description": "vrops-snapshot",
		"shutdownBeforeSnapshot": false,
		"snapshotPrefix": "vrops-snapshot",
		"snapshotWithMemory": false
		}</pre>
		Response Code : 200 OK
		Response body :
		<pre>{
		"requestId": "be3c750d-c3d7-45db-8af0-ce97c2b7522d"
		}</pre>
			For vSSC product Snapshot request has tenantId as query parameter
			
			/lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory?tenantId={tenantId}

Delete product Snapshot request	DELETE	lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory
		Request parameters: environmentId, productId
		
		Query parameters: tenantId
		
		Request body:
		{
		"consolidate": true,
		"productSnapshotId": "2347e467-632b-4124-8b2e-643de4a66cae"
		}
		
		Response Code : 200 OK
		Response body :
		{
		"requestId": "be3c750d-c3d7-45db-8af0-ce97c2b7522d"
		}
			For vSSC product Snapshot request has tenantId as query parameter
			
			/lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory?tenantId={tenantId}

Revert a Product Snapshot	POST	lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory/revert
		Request parameters: environmentId, productId
		
		Query parameters: tenantId
		
		Request body:
		{
		"powerOn": true,
		"productSnapshotId": "2347e467-632b-4124-8b2e-643de4a66cae"
		}
		
		Response Code : 200 OK
		Response body :
		{
		"requestId": "be3c750d-c3d7-45db-8af0-ce97c2b7522d"
		}
			For vSSC product Snapshot request has tenantId as query parameter
			
			/lcm/lcops/api/environments/{environmentId}/products/{productId}/snapshot/inventory/revert?tenantId={tenantId}

Public API restrictions for VCF user

VMware Cloud Foundation or VCF provides automated deployment of vRSLCM through SDDC Manager. vRSLCM now runs in VCF aware mode. This provides bi-directional communication so that SDDC Manager understands which vRealize Suite products have been deployed. vRSLCM, in VCF aware mode, will deploy vRealize Suite products according to VMware validated design.

Prerequisites

vRSLCM deployment is automated through SDDC Manager.

Steps to perform

Taken care by SDDC Manager

Restrictions put for VCF user with request/response payload

Name	HTTP Method	Endpoint	Comments

Update product admin password	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/admin-password
		Request parameters:
		environmentId, productId
		Request Body:
		{
		"adminPassword": "locker:password:26005893-319a-4711-93a1-8eea7c3eecd4:CommonPassword",
		"currentAdminPassword": "locker:password:3b4b1c1d-bc20-4ed8-8b3c-d4540663c5fc:ConfigAdminPwdTest"
		}
		
		Response Code : 200 OK
		Response body :
		
		{
		"requestId": "50f71757-732a-46d6-882f-c19fde983dff"
		}
			Password references cannot be updated of VCF enabled environments.

Update Product Node Password	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/nodes/{nodeType}
		Request parameters:
		environmentId, productId, nodeType
		Request Body:
		{
		"currentPassword": "locker:password:3b4b1c1d-bc20-4ed8-8b3c-d4540663c5fc:ConfigAdminPwdTest",
		"hostName": "wsa-1.vrack.vsphere.local",
		"newPassword": "locker:password:26005893-319a-4711-93a1-8eea7c3eecd4:CommonPassword",
		"userNameToUpdate": "root"
		}
		
		Response Code : 200 OK
		Response body :
		
		{
		"requestId": "7811187f-e73d-4cfc-82ea-b6e85dfcac70"
		}
			Password references cannot be updated of VCF enabled environments.

Validate an Environment	POST	/lcm/lcops/api/v2/environments/pre-validate
		Request Body:
		{
		"environmentId": "f2d1ab3d-9629-42d9-905f-5b9f8f56fa27",
		"environmentName": "vRAEnv",
		"environmentHealth": null,
		"logHistory": null,
		"environmentStatus": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "5b3190a6-5e45-4c6f-a4a1-565886a82241",
		"regionName": "",
		"zoneName": "",
		"vCenterName": "vcenter-1",
		"vCenterHost": "vcenter-1.vrack.vsphere.local",
		"vcUsername": "svc-vrslcm-vsphere@vsphere.local",
		"vcPassword": "locker:password:7810326b-f0d0-412c-8c4c-942f2a641a61:vcenter-1-SDDC-Datacenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"defaultPassword": "locker:password:7c917e92-04ae-4d03-9f07-6fe3a291b660:vcfadmin@local",
		"certificate": "locker:certificate:ba002cd1-b262-4e3e-8f57-119e6c6a0242:vrack.vsphere.local",
		"cluster": "SDDC-Datacenter#SDDC-Cluster1",
		"storage": "sfo01-m01-vsan",
		"folderName": "",
		"resourcePool": "resgroup-30(Mgmt-ResourcePool)",
		"diskMode": "thin",
		"network": "Mgmt-xRegion01-VXLAN",
		"masterVidmEnabled": "false",
		"dns": "10.0.0.250",
		"domain": "vsphere.local",
		"gateway": "192.168.31.1",
		"netmask": "255.255.255.0",
		"searchpath": "vsphere.local",
		"timeSyncMode": "ntp",
		"ntp": "10.0.0.250",
		"isDhcp": "false",
		"vcfProperties": "{\"vcfEnabled\":true,\"sddcManagerDetails\":[{\"sddcManagerHostName\":\"sddc-manager.vrack.vsphere.local\",\"sddcManagerName\":\"default\",\"sddcManagerVmid\":\"default\"}]}",
		"_selectedProducts": "[{\"id\":\"vra\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"8.3.0\":[\"cluster\"]},\"selectedVersion\":\"8.3.0\",\"selectedDeploymentType\":\"cluster\",\"description\":\"VMware vRealize Automation lets you deploy across a multi-vendor hybrid cloud infrastructure, giving you both flexibility and investment protection for current and future technology choices.\",\"detailsHref\":\"https://docs.vmware.com/en/vRealize-Automation/index.html\",\"errorMessage\":null,\"productVersions\":[{\"version\":\"8.3.0\",\"deploymentType\":[\"cluster\"],\"productDeploymentMetaData\":{\"sizingURL\":null,\"productInfo\":\"v
			When Validation is performed before Create Environment, the request payload should contain property key, vcfProperties inside Infrastructure properties. vcfProperty

		Realize Automation-
		8.3.0\",\"deploymentType\":[\"Standard\",\"Cluster\"],\"deploymentItems\":{\"Node
		Count\":[\"1\",\"3\"]},\"additionalInfo\":[\"*Standard - One vRA node will be deployed\",\"*Cluster - Three vRA node will be deployed\"]}}]}]",
		"_isRedeploy": "false",
		"_isResume": "false",
		"_leverageProximity": "true",
		"__isInstallerRequest": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.3.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "vra-va",
		"properties": {
		"hostName": "vra-lb.vrack.vsphere.local"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vrava-primary",
		"properties": {
		"vmName": "vrava-primary",
		"hostName": "vra-1.vrack.vsphere.local",
		"ip": "192.168.31.41"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
		"vmName": "vrava-secondary-1",
		"hostName": "vra-2.vrack.vsphere.local",
		"ip": "192.168.31.42"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
		"vmName": "vrava-secondary-2",
		"hostName": "vra-3.vrack.vsphere.local",
		"ip": "192.168.31.43"
		}
		}
		],
		"properties": {
			ies identifies if the environment is VCF enabled or not.

```
        "certificate": "locker:certificate:deb03028-2aee-415b-
b5cb-13e4a8e03be1:vrack.vsphere.local",
        "contentLibraryItemId": "97429317-df00-48d5-9030-
dbe3625ce2de",
        "productPassword": "locker:password:7c917e92-04ae-4d03-
9f07-6fe3a291b660:vcfadmin@local",
        "nodeSize": "medium",
        "vraK8ServiceCidr": "",
        "vraK8ClusterCidr": "",
        "ntp": "10.0.0.250",
        "timeSyncMode": "ntp",
        "licenseRef": "locker:license:4c2f947e-17cc-4da3-b621-
d2918236811b:license"
      }
    }
  ]
}
```


Response Code : 200 OK
Response body :


```
{
  "requestId": "c0e25736-48fa-4e1a-8e3e-eed47475212a"
}
```

Create an Environment	POST	/lcm/lcops/api/v2/environments
		Request Body:
		{
		"environmentId": "f2d1ab3d-9629-42d9-905f-5b9f8f56fa27",
		"environmentName": "vRAEnv",
		"environmentHealth": null,
		"logHistory": null,
		"environmentStatus": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "5b3190a6-5e45-4c6f-a4a1-565886a82241",
		"regionName": "",
		"zoneName": "",
		"vCenterName": "vcenter-1",
		"vCenterHost": "vcenter-1.vrack.vsphere.local",
		"vcUsername": "svc-vrslcm-vsphere@vsphere.local",
		"vcPassword": "locker:password:7810326b-f0d0-412c-8c4c-942f2a641a61:vcenter-1-SDDC-Datacenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"defaultPassword": "locker:password:7c917e92-04ae-4d03-9f07-6fe3a291b660:vcfadmin@local",
		"certificate": "locker:certificate:ba002cd1-b262-4e3e-8f57-119e6c6a0242:vrack.vsphere.local",
		"cluster": "SDDC-Datacenter#SDDC-Cluster1",
		"storage": "sfo01-m01-vsan",
		"folderName": "",
		"resourcePool": "resgroup-30(Mgmt-ResourcePool)",
		"diskMode": "thin",
		"network": "Mgmt-xRegion01-VXLAN",
		"masterVidmEnabled": "false",
		"dns": "10.0.0.250",
		"domain": "vsphere.local",
		"gateway": "192.168.31.1",
		"netmask": "255.255.255.0",
		"searchpath": "vsphere.local",
		"timeSyncMode": "ntp",
		"ntp": "10.0.0.250",
		"isDhcp": "false",
		"vcfProperties": "{\"vcfEnabled\":true,\"sddcManagerDetails\":[{\"sddcManagerHostName\":\"sddc-manager.vrack.vsphere.local\",\"sddcManagerName\":\"default\",\"sddcManagerVmid\":\"default\"}]}",
		"_selectedProducts": "[{\"id\":\"vra\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"8.3.0\":[\"cluster\"]},\"selectedVersion\":\"8.3.0\",\"selectedDeploymentType\":\"cluster\",\"description\":\"VMware vRealize Automation lets you deploy across a multi-vendor hybrid cloud infrastructure, giving you both flexibility and investment protection for current and future technology choices.\",\"detailsHref\":\"https://docs.vmware.com/en/vRealize-Automation/index.html\",\"errorMessage\":null,\"productVersions\":[{\"version\":\"8.3.0\",\"deploymentType\":[\"cluster\"],\"productDeploymentMetaData\":{\"sizingURL\":null,\"productInfo\":\"v
			When Create Environment is requested, the request payload should contain property key, vcfProperties inside Infrastructure properties. vcfProperties identifies if the envi

		Realize Automation-
		8.3.0\",\"deploymentType\":[\"Standard\",\"Cluster\"],\"deploymentItems\":{\"Node
		Count\":[\"1\",\"3\"]},\"additionalInfo\":[\"*Standard - One vRA node will be deployed\",\"*Cluster - Three vRA node will be deployed\"]}}]}]",
		"_isRedeploy": "false",
		"_isResume": "false",
		"_leverageProximity": "true",
		"__isInstallerRequest": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.3.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "vra-va",
		"properties": {
		"hostName": "vra-lb.vrack.vsphere.local"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vrava-primary",
		"properties": {
		"vmName": "vrava-primary",
		"hostName": "vra-1.vrack.vsphere.local",
		"ip": "192.168.31.41"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
		"vmName": "vrava-secondary-1",
		"hostName": "vra-2.vrack.vsphere.local",
		"ip": "192.168.31.42"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
		"vmName": "vrava-secondary-2",
		"hostName": "vra-3.vrack.vsphere.local",
		"ip": "192.168.31.43"
		}
		}
		],
		"properties": {
			ronment is VCF enabled or not. Also, Product details should contain Cluster VIP field with required values appropriately. Cluster VIP is required for clustered

		"certificate": "locker:certificate:deb03028-2aee-415b-b5cb-13e4a8e03be1:vrack.vsphere.local",
		"contentLibraryItemId": "97429317-df00-48d5-9030-dbe3625ce2de",
		"productPassword": "locker:password:7c917e92-04ae-4d03-9f07-6fe3a291b660:vcfadmin@local",
		"nodeSize": "medium",
		"vraK8ServiceCidr": "",
		"vraK8ClusterCidr": "",
		"ntp": "10.0.0.250",
		"timeSyncMode": "ntp",
		"licenseRef": "locker:license:4c2f947e-17cc-4da3-b621-d2918236811b:license"
		}
		}
		]
		}
		
		Response body: For Import case
		
		{
		"environmentId": "fcaebe2d-bb48-434d-ab30-e89a12157918",
		"environmentName": "vROpsEnv",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "42e95820-d2e6-4f5b-b8eb-c6eaacd4af26",
		"regionName": "",
		"zoneName": "",
		"vCenterName": "",
		"vCenterHost": "",
		"vcUsername": "",
		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"defaultPassword": "locker:password:26005893-319a-4711-93a1-8eea7c3eecd4:CommonPassword",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false",
		"vcfProperties": "{\"vcfEnabled\":true,\"sddcManagerDetails\":[{\"sddcManagerHostName\":\"sddc-
			VIDM, vRA, vROps and vRLI. Cluster VIP field has to be empty only for single node VIDM deployment. Moreover, when import of product is perform

		manager.vrack.vsphere.local\",\"sddcManagerName\":\"default\",\"sddcManagerVmid\":\"default\"}]}",
		"_selectedProducts": "[{\"id\":\"vrops\",\"type\":\"import\",\"selected\":true,\"sizes\":{\"8.2.0\":[\"Medium:8\",\"Extra small:1\",\"small:2\",\"Large:16\",\"Extra Large:8:10\"],\"8.1.1\":[\"small:2\",\"Medium:8\",\"Large:16\",\"Extra Large:8:10\",\"Extra small:1\"],\"8.3.0\":[\"Extra small:1\",\"Medium:8\",\"Large:16\",\"small:2\",\"Extra Large:8:10\"]},\"selectedVersion\":\"8.3.0\",\"selectedDeploymentType\":\"Extra small:1\",\"description\":\"VMware vRealize Operations Manager delivers intelligent operations management with application-to-storage visibility across physical, virtual, and cloud infrastructures. Using policy-based automation, operationsteams automate key processes.\",\"detailsHref\":\"https://docs.vmware.com/en/vRealize-Operations-Manager/index.html\",\"errorMessage\":null,\"productVersions\":[{\"version\":\"8.2.0\",\"deploymentType\":[\"Medium:8\",\"Extra small:1\",\"small:2\",\"Large:16\",\"Extra Large:8:10\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://kb.vmware.com/s/article/2093783\",\"productInfo\":\"vRealize Operations Manager - 8.2.0\",\"deploymentType\":null,\"deploymentItems\":null,\"additionalInfo\":null}},{\"version\":\"8.1.1\",\"deploymentType\":[\"small:2\",\"Medium:8\",\"Large:16\",\"Extra Large:8:10\",\"Extra small:1\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://kb.vmware.com/s/article/2093783\",\"productInfo\":\"vRealize Operations Manager - 8.1.1\",\"deploymentType\":null,\"deploymentItems\":null,\"additionalInfo\":null}},{\"version\":\"8.3.0\",\"deploymentType\":[\"Extra small:1\",\"Medium:8\",\"Large:16\",\"small:2\",\"Extra Large:8:10\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https://kb.vmware.com/s/article/2093783\",\"productInfo\":\"vRealize Operations Manager - 8.3.0\",\"deploymentType\":null,\"deploymentItems\":null,\"additionalInfo\":null}}],\"nodeCount\":1,\"haEnabled\":false}]",
		"_isRedeploy": "false",
		"_isResume": "false",
		"_leverageProximity": "false",
		"__isInstallerRequest": "false"
		}
		},
		"products": [
		{
		"id": "vrops",
		"version": "8.3.0",
		"properties": {
		"vropsMasterNodeIP": "vrops-master.vrack.vsphere.local",
		"vCenterList": "[{\"vCenterHost\":\"lcm-vc2.sqa.local\",\"vcUsername\":\"devuser@vsphere.local\",\"vcPassword\":\"locker:password:f4a23a10-bba8-49d7-80f9-41d83e445daa:lcm-vc2-new\"}]",
		"rootPassword": "locker:password:26005893-319a-4711-93a1-8eea7c3eecd4:CommonPassword",
		"isImport": "true",
			ed, clusterFqdn property should be present with valid value of Load Balancer FQDN.
			
			vSSC Standalone deployment we needs to pass tenantId

		"vropsAdminPassword": "locker:password:26005893-319a-4711-93a1-8eea7c3eecd4:CommonPassword",
		"clusterFqdn": "vrops-lb.vrack.vsphere.local"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		Response Code : 200 OK
		Response body :
		
		{
		"requestId": "51ea3eae-935e-4c05-8318-54e8e3f43c8b"
		}
			as "Standalone vRASSC"

Add Product to an Environment	POST	/lcm/lcops/api/v2/environments/{environmentId}/products
		Request parameters:
		environmentId
		Request Body:
		{
		"environmentId": "f2d1ab3d-9629-42d9-905f-5b9f8f56fa27",
		"environmentName": "vRAEnv",
		"environmentHealth": null,
		"logHistory": null,
		"environmentStatus": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "5b3190a6-5e45-4c6f-a4a1-565886a82241",
		"regionName": "",
		"zoneName": "",
		"vCenterName": "vcenter-1",
		"vCenterHost": "vcenter-1.vrack.vsphere.local",
		"vcUsername": "svc-vrslcm-vsphere@vsphere.local",
		"vcPassword": "locker:password:7810326b-f0d0-412c-8c4c-942f2a641a61:vcenter-1-SDDC-Datacenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"defaultPassword": "locker:password:7c917e92-04ae-4d03-9f07-6fe3a291b660:vcfadmin@local",
		"certificate": "locker:certificate:ba002cd1-b262-4e3e-8f57-119e6c6a0242:vrack.vsphere.local",
		"cluster": "SDDC-Datacenter#SDDC-Cluster1",
		"storage": "sfo01-m01-vsan",
		"folderName": "",
		"resourcePool": "resgroup-30(Mgmt-ResourcePool)",
		"diskMode": "thin",
		"network": "Mgmt-xRegion01-VXLAN",
		"masterVidmEnabled": "false",
		"dns": "10.0.0.250",
		"domain": "vsphere.local",
		"gateway": "192.168.31.1",
		"netmask": "255.255.255.0",
		"searchpath": "vsphere.local",
		"timeSyncMode": "ntp",
		"ntp": "10.0.0.250",
		"isDhcp": "false",
		"vcfProperties": "{\"vcfEnabled\":true,\"sddcManagerDetails\":[{\"sddcManagerHostName\":\"sddc-manager.vrack.vsphere.local\",\"sddcManagerName\":\"default\",\"sddcManagerVmid\":\"default\"}]}",
		"_selectedProducts": "[{\"id\":\"vra\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"8.3.0\":[\"cluster\"]},\"selectedVersion\":\"8.3.0\",\"selectedDeploymentType\":\"cluster\",\"description\":\"VMware vRealize Automation lets you deploy across a multi-vendor hybrid cloud infrastructure, giving you both flexibility and investment protection for current and future technology choices.\",\"detailsHref\":\"https://docs.vmware.com/en/vRealize-Automation/index.html\",\"errorMessage\":null,\"productVersions\
			When Organic Growth is performed, the Product details should contain Cluster VIP field with required values appropriately. Cluster VIP is required for clustered

		":[{\"version\":\"8.3.0\",\"deploymentType\":[\"cluster\"],\"productDeploymentMetaData\":{\"sizingURL\":null,\"productInfo\":\"vRealize Automation-8.3.0\",\"deploymentType\":[\"Standard\",\"Cluster\"],\"deploymentItems\":{\"Node Count\":[\"1\",\"3\"]},\"additionalInfo\":[\"*Standard - One vRA node will be deployed\",\"*Cluster - Three vRA node will be deployed\"]}}]}]",
		"_isRedeploy": "false",
		"_isResume": "false",
		"_leverageProximity": "true",
		"__isInstallerRequest": "false"
		}
		},
		"products": [
		{
		"id": "vra",
		"version": "8.3.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "vra-va",
		"properties": {
		"hostName": "vra-lb.vrack.vsphere.local"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vrava-primary",
		"properties": {
		"vmName": "vrava-primary",
		"hostName": "vra-1.vrack.vsphere.local",
		"ip": "192.168.31.41"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
		"vmName": "vrava-secondary-1",
		"hostName": "vra-2.vrack.vsphere.local",
		"ip": "192.168.31.42"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
		"vmName": "vrava-secondary-2",
		"hostName": "vra-3.vrack.vsphere.local",
		"ip": "192.168.31.43"
		}
		}
			vRA, vROps and vRLI. Moreover, when import of product is performed, clusterFqdn property should be present with valid value of Load Balancer FQDN.

```
      ],
      "properties": {
        "certificate": "locker:certificate:deb03028-2aee-415b-
b5cb-13e4a8e03be1:vrack.vsphere.local",
        "contentLibraryItemId": "97429317-df00-48d5-9030-
dbe3625ce2de",
        "productPassword": "locker:password:7c917e92-04ae-4d03-
9f07-6fe3a291b660:vcfadmin@local",
        "nodeSize": "medium",
        "vraK8ServiceCidr": "",
        "vraK8ClusterCidr": "",
        "ntp": "10.0.0.250",
        "timeSyncMode": "ntp",
        "licenseRef": "locker:license:4c2f947e-17cc-4da3-b621-
d2918236811b:license"
      }
    }
  ]
}
```


Response body : For Import case


```
{
  "environmentId": "fcaebe2d-bb48-434d-ab30-e89a12157918",
  "environmentName": "vROpsEnv",
  "infrastructure": {
    "properties": {
      "dataCenterVmid": "42e95820-d2e6-4f5b-b8eb-c6eaacd4af26",
      "regionName": "",
      "zoneName": "",
      "vCenterName": "",
      "vCenterHost": "",
      "vcUsername": "",
      "vcPassword": "",
      "acceptEULA": "false",
      "enableTelemetry": "true",
      "defaultPassword": "locker:password:26005893-319a-4711-
93a1-8eea7c3eecd4:CommonPassword",
      "certificate": "",
      "cluster": "",
      "storage": "",
      "folderName": "",
      "resourcePool": "",
      "diskMode": "",
      "network": "",
      "masterVidmEnabled": "false",
      "dns": "",
      "domain": "",
      "gateway": "",
      "netmask": "",
      "searchpath": "",
      "timeSyncMode": "host",
      "ntp": "",
```

```
      "isDhcp": "false",
      "vcfProperties":
"{\"vcfEnabled\":true,\"sddcManagerDetails\":[{\"sddcManagerHost
Name\":\"sddc-
manager.vrack.vsphere.local\",\"sddcManagerName\":\"default\",\"
sddcManagerVmid\":\"default\"}]}",
      "_selectedProducts":
"[{\"id\":\"vrops\",\"type\":\"import\",\"selected\":true,\"size
s\":{\"8.2.0\":[\"Medium:8\",\"Extra
small:1\",\"small:2\",\"Large:16\",\"Extra
Large:8:10\"],\"8.1.1\":[\"small:2\",\"Medium:8\",\"Large:16\",\
"Extra Large:8:10\",\"Extra small:1\"],\"8.3.0\":[\"Extra
small:1\",\"Medium:8\",\"Large:16\",\"small:2\",\"Extra
Large:8:10\"]},\"selectedVersion\":\"8.3.0\",\"selectedDeploymen
tType\":\"Extra small:1\",\"description\":\"VMware vRealize
Operations Manager delivers intelligent operations management
with application-to-storage visibility across physical, virtual,
and cloud infrastructures. Using policy-based automation,
operationsteams automate key
processes.\",\"detailsHref\":\"https://docs.vmware.com/en/vReali
ze-Operations-
Manager/index.html\",\"errorMessage\":null,\"productVersions\":[
{\"version\":\"8.2.0\",\"deploymentType\":[\"Medium:8\",\"Extra
small:1\",\"small:2\",\"Large:16\",\"Extra
Large:8:10\"],\"productDeploymentMetaData\":{\"sizingURL\":\"htt
ps://kb.vmware.com/s/article/2093783\",\"productInfo\":\"vRealiz
e Operations Manager -
8.2.0\",\"deploymentType\":null,\"deploymentItems\":null,\"addit
ionalInfo\":null}},{\"version\":\"8.1.1\",\"deploymentType\":[\"
small:2\",\"Medium:8\",\"Large:16\",\"Extra Large:8:10\",\"Extra
small:1\"],\"productDeploymentMetaData\":{\"sizingURL\":\"https:
//kb.vmware.com/s/article/2093783\",\"productInfo\":\"vRealize
Operations Manager -
8.1.1\",\"deploymentType\":null,\"deploymentItems\":null,\"addit
ionalInfo\":null}},{\"version\":\"8.3.0\",\"deploymentType\":[\"
Extra small:1\",\"Medium:8\",\"Large:16\",\"small:2\",\"Extra
Large:8:10\"],\"productDeploymentMetaData\":{\"sizingURL\":\"htt
ps://kb.vmware.com/s/article/2093783\",\"productInfo\":\"vRealiz
e Operations Manager -
8.3.0\",\"deploymentType\":null,\"deploymentItems\":null,\"addit
ionalInfo\":null}}],\"nodeCount\":1,\"haEnabled\":false}]",
      "_isRedeploy": "false",
      "_isResume": "false",
      "_leverageProximity": "false",
      "__isInstallerRequest": "false"
    }
  },
  "products": [
    {
      "id": "vrops",
      "version": "8.3.0",
      "properties": {
        "vropsMasterNodeIP": "vrops-master.vrack.vsphere.local",
        "vCenterList": "[{\"vCenterHost\":\"lcm-
vc2.sqa.local\",\"vcUsername\":\"devuser@vsphere.local\",\"vcPas
```

```
sword\":\"locker:password:f4a23a10-bba8-49d7-80f9-
41d83e445daa:lcm-vc2-new\"}]",
        "rootPassword": "locker:password:26005893-319a-4711-
93a1-8eea7c3eecd4:CommonPassword",
        "isImport": "true",
        "vropsAdminPassword": "locker:password:26005893-319a-
4711-93a1-8eea7c3eecd4:CommonPassword",
        "clusterFqdn": "vrops-lb.vrack.vsphere.local"
      },
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": []
    }
  ]
}

Response Code : 200 OK
Response body :

{
  "requestId": "3afa79fc-3ccc-4119-a234-84503a97f08c"
}
```

Add Node to a Product	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/nodes
		Request parameters:
		environmentId, productId
		Request Body:
		{
		"environmentId": "globalenvironment",
		"environmentName": "globalenvironment",
		"environmentHealth": null,
		"logHistory": null,
		"environmentStatus": null,
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "c18990f7-e5c0-4eec-9171-6ed4fe2dee81",
		"regionName": "",
		"zoneName": "",
		"vCenterName": "vcenter-1",
		"vCenterHost": "vcenter-1.vrack.vsphere.local",
		"vcUsername": "svc-vrslcm-vsphere@vsphere.local",
		"vcPassword": "locker:password:b980fa59-7df5-46b7-ad58-e9c4ae58b68e:vcenter-1-SDDC-Datacenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"defaultPassword": "locker:password:65b71a67-244f-47f5-b9c8-82b335080628:vcfadmin@local",
		"certificate": "locker:certificate:1396ce03-9163-4e17-87e2-30223ff1b4ac:vrack.vsphere.local",
		"cluster": "SDDC-Datacenter#SDDC-Cluster1",
		"storage": "sfo01-m01-vsan",
		"folderName": "",
		"resourcePool": "resgroup-30(Mgmt-ResourcePool)",
		"diskMode": "thin",
		"network": "Mgmt-xRegion01-VXLAN",
		"masterVidmEnabled": "false",
		"dns": "10.0.0.250",
		"domain": "vsphere.local",
		"gateway": "192.168.31.1",
		"netmask": "255.255.255.0",
		"searchpath": "vsphere.local",
		"timeSyncMode": "ntp",
		"ntp": "",
		"isDhcp": "false",
		"vcfProperties": "{\"vcfEnabled\":true,\"sddcManagerDetails\":[{\"sddcManagerHostName\":\"sddc-manager.vrack.vsphere.local\",\"sddcManagerName\":\"default\",\"sddcManagerVmid\":\"default\"}]}",
		"_selectedProducts": "[{\"id\":\"vidm\",\"type\":\"new\",\"selected\":true,\"sizes\":{\"3.3.3\":[\"standard\",\"cluster\"]},\"selectedVersion\":\"3.3.3\",\"selectedDeploymentType\":\"standard\",\"description\":\"VMware Identity Manager ™ enables quickly and easily provision apps, apply conditional access controls, and enable secure single sign-on (SSO) to SaaS, web, cloud and native mobile apps using a self-service catalog.\",\"detailsHref\":\"https://docs.vmware.com/en/VMware-Identity-
			When Scaleout is performed of VIDM, the Cluster VIP should have details of Load Balancer.

```
Manager/index.html\",\"errorMessage\":null,\"productVersions\":[
{\"version\":\"3.3.3\",\"deploymentType\":[\"standard\",\"cluste
r\"],\"productDeploymentMetaData\":{\"sizingURL\":null,\"product
Info\":\"VMware Identity Manager -
3.3.3\",\"deploymentType\":[\"Standard\",\"Cluster\"],\"deployme
ntItems\":{\"Node
Count\":[\"1\",\"3\"]},\"additionalInfo\":[\"*Standard - One
vIDM node will be deployed\",\"*Cluster - Three vIDM node will
be deployed\"]}}]}]",
      "_isRedeploy": "false",
      "_isResume": "false",
      "_leverageProximity": "true",
      "__isInstallerRequest": "false"
    }
  },
  "products": [
    {
      "id": "vidm",
      "version": "3.3.3",
      "patchHistory": null,
      "snapshotHistory": null,
      "logHistory": null,
      "clusterVIP": {
        "clusterVips": [
        {
            "type": "vidm-lb",
            "properties": {
              "hostName": "wsa-lb.vrack.vsphere.local"
            }
        },
        {
            "type": "vidm-delegate",
            "properties": {
              "ip": "10.196.31.26"
            }
        }
      ]
      },
      "nodes": [
        {
          "type": "vidm-secondary",
          "properties": {
            "vmName": "vidm-secondary-1",
            "hostName": "wsa-2.vrack.vsphere.local",
            "ip": "192.168.31.24"
          }
        },
        {
          "type": "vidm-secondary",
          "properties": {
            "vmName": "vidm-secondary-2",
            "hostName": "wsa-3.vrack.vsphere.local",
            "ip": "192.168.31.25"
          }
        }
      ],
```

```
      "properties": {
        "vidmAdminPassword": "locker:password:65b71a67-244f-
47f5-b9c8-82b335080628:vcfadmin@local",
        "syncGroupMembers": false,
        "nodeSize": "xsmall",
        "defaultConfigurationEmail": "test@vmware.com",
        "defaultConfigurationUsername": "confgiadmin",
        "defaultConfigurationPassword":
"locker:password:65b71a67-244f-47f5-b9c8-
82b335080628:vcfadmin@local",
        "defaultTenantAlias": "",
        "vidmDomainName": "",
        "certificate": "locker:certificate:1396ce03-9163-4e17-
87e2-30223ff1b4ac:vrack.vsphere.local",
        "contentLibraryItemId": "086a566f-85ca-4110-87b6-
e4ce81856f6c"
      }
    }
  ]
}


Response Code : 200 OK
Response body :

{
  "requestId": "707e99f8-baa1-400f-8335-6cc616fbc9a4"
}
```


FIPS enabling of vRealize Products

What is FIPS Compliance?

A product is "FIPS 140 Compliant" when all security related uses of cryptography and random number generation use CMVP Validated Crypto Modules. For most VMware products this means using only library calls to OpenSSL or BouncyCastle.

Changing FIPS mode of vRSLCM

Prerequisites

User should be on v8.2 of vRSLCM

Changing FIPS mode of vRSLCM as part of Day-0 operation

User can enable FIPS mode while doing fresh install of vRSLCM using ova.

Changing FIPS mode of vRSLCM as part of Day-2 operation

User can also change FIPS mode if he has not already done during the fresh deploy. This will be done using below API.

Name	HTTP Method	Endpoint	Comments

Enable FIPS mode	POST	/lcm/locker/api/security/fips
		Request Body for enabling FIPS mode:
		{
		"enabled": true,
		"state": "ENABLED",
		"description": "",
		"request": null
		}
		
		Response Code : 200 OK
		Response body :
		
		{
		"enabled": false,
		"state": "CHANGING",
		"description": "Enabling FIPS mode for vRealize Suite Lifecycle Manager appliance and services.",
		"request": {
		"requestId": "23dfe7d7-1413-4ce3-b277-b0eba2adba9b"
		}
		}	

Disable FIPS mode	POST	/lcm/locker/api/security/fips
		Request Body for disabling FIPS mode:
		{
		"enabled": false,
		"state": "DISABLED",
		"description": "",
		"request": null
		}
		
		Response Code : 200 OK
		Response body :
		
		{
		"enabled": true,
		"state": "CHANGING",
		"description": "Disabling FIPS mode for vRealize Suite Lifecycle Manager appliance and services.",
		"request": {
		"requestId": "5e239981-15d6-4e00-859d-2f0645a856f3"
		}
		}	

Get FIPS status	GET	/lcm/locker/api/security/fips
		Response Code : 200 OK
		Response body :
		
		{
		"enabled": false,
		"state": "DISABLED",
		"description": "FIPS mode is disabled for vRealize Suite Lifecycle Manager appliance and services.",
		"request": null
		}	

Changing FIPS mode of produts

vRealize Suite Products supporting FIPS Compliance

vRealize Automation (vRA), vRealize Operations Manager (vROps), and vRealize Log Insight (vRLI)

Except for vRA, vROps and vRLI only support enabling of FIPS mode. This means that once FIPS mode has been enabled in these products, it cannot be disabled.

Prerequisites

User should be on v8.4 of above mentioned products

Changing FIPS mode of product as part of Day-0 operation

User can enable FIPS mode while doing fresh install of above products, in which case, the "fipsMode" property is passed in Create Environment Request payload. The payload has already been shown above in Create Environment requests.

Changing FIPS mode of product as part of Day-2 operation

User can also change FIPS mode if he has not already done during the fresh deploy. This will be done using below API.

Name	HTTP Method	Endpoint	Comments

Change FIPS mode	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/fips
		Request parameters:
		environmentId, productId
		Request Body for enabling FIPS mode:
		{
		"fipsMode": "\"true\""
		}
		
		Request Body for disabling FIPS mode:
		{
		"fipsMode": "\"false\""
		}
		
		Response Code : 200 OK
		Response body :
		
		{
		"requestId": "a0d8d8cd-ac87-4b5c-ba8b-7a0173c56b55"
		}
			In the response body, requestID is returned using which the status of request can be monitored to check if it has COMPLETED or FAILED. If it completes successfully, this means FIPS mode has been changed successfully.