vRSLCM REST Public API

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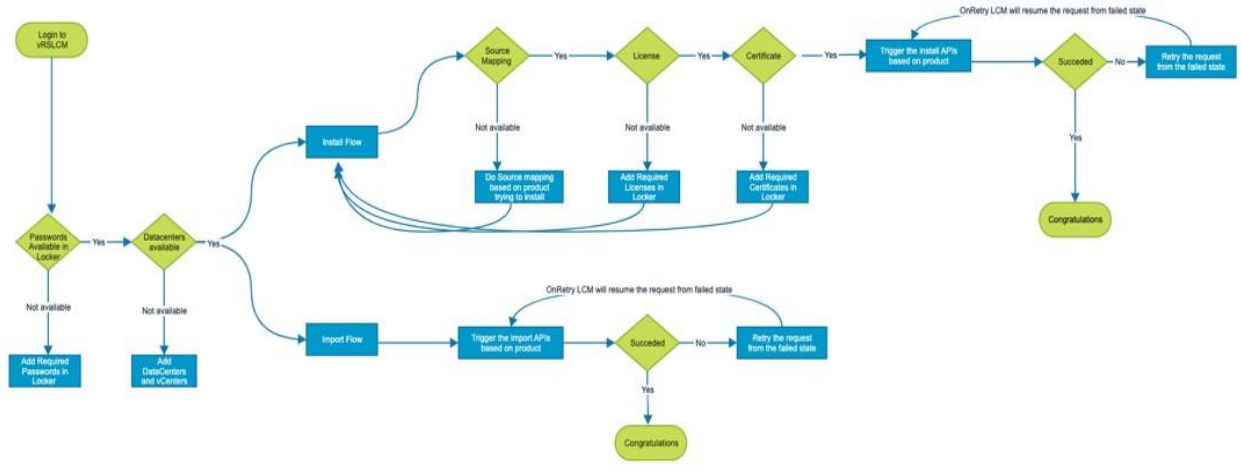
Documentation Disclaimers

The APIs published below are added as part of version 8.2.

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 (vRSLCMuser@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 'vRSLCMuser@local', and password is vRSLCMuser@local user's password.

Example:

curl -H "Authorization: Basic YWRtaW5AbG9jVk13YXJlMSE=" -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	HTTP Method	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-----
		\nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCB
		KcwggSjAgEAAoIBAQCvFd+h7BHsGJIz\nXn
		5Ho/sLTUDIlJi9nxT2iTYmvYJK6DhzMGkJD
		M8lFSMYKfNFHAckOcfv4Mk3QB0q\nh/5HIV
		vw9dwVoMj+fjo4rxaT/fFVd+MIJjcTZiSqA
		Y3IyPJlFmBSJw6bv6NqwvIP\nnzY00iOmo4
		lSkSO7h/eBEa6gIcP5CX47vBOdbGLxlqk8W
		EZZM0ZwGUrkPBqJrGN5\nts2LFcFCBzt8rd
		+0ylO60CjWx9HvyZ46dOjt0ZfmU0Z6OUvjL
		T4BO8dhRwcB3Epo\nP69rgk9SuO9U3RH0Hn
		iKI8g0grEREYNt5S3VejUefjh+r1D1CxYF/
		if4GtHeSNcE\nqg0G+XR5AgMBAAECggEAC/
		KQCsB9Vhk0o879SsX2t/YW90EFnb3s7Chfk
		rvwl8w6\nKukZJ8oRGhiTxx64uCTyG0+alE
		TIck3cl6YFTOUKvToHwU2SHaSvNCZFggaMi
		P6n\n9krGTBt2oce+nT6SJOIGo2CBK5FjlU
		HViwmcJTVYQ7Mp6CGZmL7N3ce/PPPk57nY\
		nPBUeWrwZQ2o/cPuvIoGkMkUvXoNLx5uSh8
		ICqdzCojaX3WlRWA8AKMOesG4QeN/8\n7HK
		P0jj8ZxXJ2PSpIuISsYpx8zqeqUGz9NTubW
		HyxCxhsOm2vrgMoHZYlYZSM2pW\n+nKuPlQ
		2lTTElhvb8BO6Ia5Qqk1Di5x+eFbtyFxKQQ
		KBgQDmxpoLM5r7zDABjAZO\nnJOIXq83rUS
		vxvXW6O5wrNEvS/DNgbZzMjVkgmsmt499LP
		x1O9646DcqWTvPIMz1\nzTWaqCdUBPZVuQ3
		VkDndH9yViycCOotGjy20tTq69kqvU0ID5A
		7hERQsa0zx864q\nZXydoAlY81K1nOk/Jsm
		WYBqSuQKBgQDCOPxQIi4x2C+hfG+kR3saKA
			This API is used to generate a new certificate.
			
			Field descriptions :
			
			alias - Alias for the certificate
			
			c - Country Code
			
			cN - Common Name
			
			ip - IP Addresses
			
			host - Server Domain/Hostname
			
			oU - Organizational Unit
			
			size - Key Length (Either 2048 or 4096 bits)
			
			o - Organization
			
			l - Locality
			
			sT - State
			
			validity - Validity of the certificate. (more than 15 days)

hGFBpXHDFv\nj1s9XsFVImq3VmyJXFhJbZJ
0g1a0UW7XcMYgwA5pDa9zlfx/q7J4ITlJjk
U8XVCH\nsHPUH6YIMjhw3+/FM5gVCb2QxHB
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VvMyXh2tqu1B9OAbEBbmLvY1XANm4a+01Nh
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1UECwwGdm13YXJlMQ8w\nDQYDVQQKDAZ2bX
dhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQID
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5E1eirKrcZQSaAYvUvGxMjT9O\nDXKlrJYz
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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":
"a37c439d28a9ca6880182f3ed4de4fb758
6eb5effe912a0224b28bf70a3a5f83",

		"sha1": "4ff3bb2d67dbd81d98001294b562ae1cf2060fe0" } }	

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----- \nMIIDzzCCAregAwIBAgIGAXON2rrTMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjcwMTE5NDhaFw0yMjA3\nMjcwMTE5NDhaMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA1UECwwGdm13YXJlMQ8w\nDQYDVQQKDAZ2bXdhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQIDAJJTjELMAkGA1UE\nBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCj4AcR4nEGFX07\n7746gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG0+Y1LHKP/ySi1y4Tw7puJDaCHQH\n4Es40GcgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+OMCX7KcgKbCnXnZFORk7BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSIzjDCnpXtA4bAoGYZMhl\nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGEipo9Rzb3o9fRAQ2h6yIew0ClXic7eN\nxVWpMBkdscQBufDKXAJ00ugAF36thWG+rAL05P/4iWLVGLWG00o48O/sh44qVYFU\nUmw/YU3rAgMBAAGjgaEwgZ4wHQYDVR0OBBYEFMKgidsQyZNHdWfQunuH1tN+klM7\nMB8GA1UdIwQYMBaAFH3ByevtTx1c8uvqnjvv4yqZyWrMMBwGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQEAwIFoDAgBgNVHSUBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQH/BAIwADANBgkqhkiG9w0BAQsFAAOC\nAQEAqujRcuXVQhYYcrLvs2ddWDjMlhb4N5sDFTaQGBQSc5neIpBxcTNCoukRJh7R\nAamIxMSVgOIupMa1mA/FDYqdd1uC7hUeIScYo3JxKpmd7iuHik8t3WKenTlXCE7T\nOOGHDrZ7ta51pq3sXdHtyN1OvypnzYYsSN3APXP9VX71R1RL2YKl8DfdBkSaerfT\nwawhmeZwQnOPvGJZCqMqVxgOzVb7rZqmMq7aFNZ1uzhu022zsb60CpfqaobHo0fj\neajCueMj38MQDhoeMQiooYwDL4PGgWizgiBX1N5cP996OJTyU2no//TBszq9Wp1M\nly1KbWOlGL/14KD3cGKn85L8QA==\n-----END CERTIFICATE-----\n-----BEGIN CERTIFICATE----- \nMIIDiTCCAnGgAwIBAgIGAXNHiB6cMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNY	This API is used to delete an already existing certificate.

W5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECg
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DA3MTMwOTM2MDlaFw0zMDA3\nMTEwOTM2MD
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    "issuedOn": "2020-07-
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    "healthy": true
  },
  "certInfo": {
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O=vmware, OU=vmware, CN=vmware",
    "issuer": "C=IN, O=VMware,
CN=vRealize Suite Lifecycle Manager
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    "san": "IP: 10.196.15.13, DNS:
*.sqa.local",
    "algorithm": "SHA256WITHRSA",
    "keyAlgorithm": "RSA",
    "keyLength": 2048,
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  }
}
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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----- \nMIID2DCCAsCgAwIBAgIGAXOBPUIcMA0GCSqGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\nKnZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA3MjQxNDMyMjJaFw0yMjA3\nMjQxNDMyMjJaMGkxEjAQBgNVBAMMCXNxYS5sb2NhbDENMAsGA1UECwwEQ01CVTEP\nMA0GA1UECgwGVk13YXJlMRIwEAYDVQQHDAlCYW5nYWxvcmUxEjAQBgNVBAgMCUth\ncm5hdGFrYTELMAkGA1UEBhMCSU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEK\nAoIBAQDNOfQBfxwWDuYCK7xYUvnIo0Ml/5j+ckhZSU01BPE/BwvhI6AhTGvHQHwn\nDsmgl1X3EZ6Cbg19gwbXWI+DpL3Rl7S/mp5qILu3SHjnywurV5yn/MIuxHfpqAQv\niQuELfO9flTdrt82Y9HwktqCK3E9IgvuW3EBEDFmqZ0T2xFnC+MXX0UUZPo+nF08\nfu7ayQpHKfTsde/u835oD25rMCKcAg4YzWYVCAkhFIk6L3e7m+BuOeizMZTO1WF+\nw+u6xQZrkX0XKgW2mpMcbvIb97+4abgooy+zTKvvTzhsR+bnjD9rxxmA3xPll+pL\nez0TJ4H3ucKzVyQkzq7eFiHZWW+xAgMBAAGjgZswgZgwHQYDVR0OBBYEFPs0MMkI\n5318Nywjr7SLMEaETBwrMB8GA1UdIwQYMBaAFLA1FiCK7P3TSk/+AGzC2v83jRXR\nMBYGA1UdEQQPMA2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQEAwIFoDAgBgNVHSUB\nAf8EFjAUBggrBgEFBQcDAgYIKwYBBQUHAwEwDAYDVR0TAQH/BAIwADANBgkqhkiG\n9w0BAQsFAAOCAQEANmyfda6mzwjt2YmZRcKZxsiir1uirQMUnVuMzB6jT2l70ioJ\n+qtHUE2tkmdkTtxDuOCKupjrp4W+9mA5IHfFKajW6/IuF75LUElFAgzuA/6N1aHJ\nR7IOoEtl8CpGV8nUTqhNWZkL68E7H3ccCCcS4v7btrJIOgJuGsBHFtNSWZXVjcaq\nerghRo4XMxTEV0A6BTnrCgQEcSGT3UCjJZTGYVMrzF1EwfLV7cDetNI32OaQQKV3\naGxTC+vr2SpUAztTUsMcX2aoNFC9mRNtbcWCvk8Hfp2obA8CjdN5WrXVV2eaXETf\nHZ8bYPqB	This API is used to delete a certificate by ID.

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		7052d4d43a4e4051fbad950acea641",
		"sha1":
		"16a46371426060115a9fd2a58c53a5c18a
		591b5c"
		}
		}	

Creates CSR with a Key	POST	/lcm/locker/api/v2/certificates/csr
		CSR generation
		Request body : "csrEntity"
		
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		"cN": "certificate1",
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		"10.196.57.68"
		],
		"host": [
		"*.sqa.local"
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		"size": "2048",
		"o": "vmware",
		"l": "IN",
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		Response Body :
		
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		JDjFgMF4wHAYDVR0RBBUwE4cECsQP
		DYILKi5zcWEubG9jYWwwDgYDVR0PAQH/BAQ
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		6/ZhbENDgS9L2i1sZdTW1mTF0KV8r/jC86E
		7W2Hju135KmARk+ND1+N79PnevhFi
		tNBjeVS5wI2Jk3P+zoFqz6GrqxXBx/W2vQU
		32xuHskjlWzUQI+GqMnRn5lgTvtUe
			This API is used to create a Certificate Signing Request (CSR).

		h2xh11rybPWJ9hJYK6tWaZ7uGcpFck1LhK2 6qOJzNp+mRFQ48BDyokTtDwP4rsRN jDzWJUDVap7uNdOHBDZeZcYY -----END CERTIFICATE REQUEST----- -----BEGIN PRIVATE KEY----- MIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKc wggSjAgEAAoIBAQDgtmvClApAKv1c io6lBUyE5XgKv+IX8B+xWBYEfKglVFlvBxT AMMaQN6DdwLEruZBQZ70qWzcIK5Ug qicO744pI7E8Cxk8e+T5yaoT/wZ4tpzTOtJ c6eAR2BH2av/A/DDJyAacZhKo80M6 37G0Qby5ZvxdkONKD86rHevRNlXClLHH/Pb Qc21aJjdp1fLOa5oKbroCZ6xAXGe2 yicI9TfXaCEPeYS+urLl2sBly8Se6Gbn8eK JpzUF9/cjvjdSGAboffBkwZoRcjlm LNoWzcj4AGMuJ+A+jIBum1keCYIAEWzfpDZ PVFsMg35EWiPU75BJpP13vmEWlDk+ kA/N+w2lAgMBAAECggEABIf5JUvJ5yBWyop qtO4l7FoaMRFMdFIduXw+uWlwFIye XwxEAVoabucIQeB0Uh7kR5LH8DY1pl8Gm0m DDxyKf87d8ImCwUL4S4ci/FM8pKt9 /w5lFoWKxKFYP2FJ9fC/5Rm49Gdkge6h0Oq Y0TswHIb0mMhmpOQrtSydyDKxyQIf 5MMoxR3xDfozLJZ7hN5l7gGX1SenbfOeaAx A/oGpMqkJ8qW2SUJ9mX9r5IJgxl0b bMR33hn5hBjcz4hOuByZxvm0zzrfMr0HRmq dMZJAgkHfSh9QbXWO5We7dW6QMMH7 s8X64NyZ+o3I5i6ffDS60GHmiS8EZRA2eLQ Z5hRCswKBgQD1Onz+nNnG1/nGwCEQ j/qDd+4xL/W8RE4jJoNrQ9F5jhlCw+QysgZ 9ymzOe59PN8ZyZS1zV9QZLLz0yNNK L6ky0fjhesUE6Zx9NGxkxi04Q6bZcW5Ag1a RiDQCxaRNoAVeTZWFQPLDPRJtQrlH rrmUBgqRc0zY8f2NwT/BwexljwKBgQDqlT0 IhG/e5YCU7fZXFd+k4KnT7+SaVxgs zPnqZ+48uQnJVmaM2VCQ7q0eYwCGsaP7ULY rees0PkdUBzVECIJqZj0JTvnibaB1 sPMw/jXPd70ZxL6N2y1XOZTKcrylJ4tWlZs b036VvwV26LssYdWz/C0VT8o9ctSO cqUiVBcHiwKBgQDncoJSVHt+Ho1Rtjf+x8T qnCClL9zACb+tkUXr0SA9l43j47rW 1gsmYgz7fNXJEJ0tjqys9jHqaL0WUwyIMh+ BJYe+V/7nOg1GZln/asN3HPK2u0YR gWQNCv37t8nwsZ0feh4qnDgDaPqhQJ5aN2B TgrgquyXGg+6JAeFI39xbpQKBgFN4 tzcIqSYPVCmqYzWpuuLYbpXTjuy8gQWwCl2 2jbddwHW8INGNonVv+HoPkGhdXZRX q/rcby0v3AGybum+fWmO57kgORqxF5/JTz/ ntQ4V9Vvt/kBL9V5MRv2ixi2eXJ56 ra7BGxH93tvpBHFOftSEryYeNkCXU7s8YDZ O5cLxAoGANYg3n86b6s8ncWom5EC5 Puyj88dBCpatDpFZHilJk5me/4NxELr8caD Nw2MiumXGzsDCGBWg9Ro2Z91TCtI5 Yvso46KTAWpHoNKihMpjIlr5XSb9SfjnNgj 0rHYhO+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----- \nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCB KgwggSkAgEAAoIBAQCj4AcR4nEGFX07\n77 46gtcfDRSprywMHVvL7tw16T5NIW3aiZdAG 0+Y1LHKP/ySi1y4Tw7puJDaCHQH\n4Es40G cgdcjHJ9B5rcANI7suCelqSF0jWAEBVIz5+ OMCX7KcgKbCnXnZFORk7BW6\nsNnrQcdou8 9SzEAQWhbDQN/Gkewoac+XEsuxrf4TVXsSI zjDCnpXtA4bAoGYZMhl\nMmpCi6KkIeboOf ISFf2ndkArV5xImJRLGEipo9Rzb3o9fRAQ2 h6yIew0ClXic7eN\nxVWpMBkdscQBufDKXA J00ugAF36thWG+rAL05P/4iWLVGLWG00o48 O/sh44qVYFU\nUmw/YU3rAgMBAAECggEAAK h1zs6+eRxH+vV3qZYnP/2A9Od6VqLINhWY9 nHKfsEg\nxve2JEXtIrt5P/XUJqXUSFHaSP pP6+2MbbsAV6jlPnOf9ptvJ7XuEf9v5nuYC jBi\niLGh8LvtWamesRPqTIeVuS1XCmtI5C uF23s5/MsFqSLWmR9Z2IGhcBpIFmzf6mT0\ nuLlJ5UhzD7nNGeHnGoBEqqAfVom1UhdNCI hEOAp+CLZ1qBbgFDnA63Rb7nGi2Opx\nP6O kCLXflGP0KP+jF0THT0r1lami+a4AJQzhFc XlYJKKrwjz4erPZCxVLaCc9Aob\nblMZcd0 8MP4ML73IYLrE5SkJhJE00vc2TSR5D+TeFQ KBgQDnRgjxPDXA96ZNGwPC\nIO5gyit85gu THi2XcMlq3i6jL3lbcspuGt+3X3wVXB6+2s Re1p3yTNmIWuvbmJXX\na3PERphY/0Qs9Y8 ZIFGpk88XvJ6dSpAdXd7N/XqVh7v3W1UNI/ uhja7bNVb9vj2K\n/UqpxedEfkOQjq16uWm 2WN3CvQKBgQC1ZUtmJLfxtdboO9yEq3nPE9 GPbf0RXjYY\n9b1iULPTUc6cHDv1CGX1/M2 H5oC6hWFDKA+mmTEg4A+mJf3+iKsE6MM/6n dkxGJw\nVW8APe3pFzkqC6lWtjtntwFnbGa jDwJQnhBsI5ddxbh2eutDVLL7okhm6UPFqy 93\nlm1LWYfxxwKBgQDJ/aIbx6GPKvzFRT3 wFED+qjR3PpiHYokhRnG0c985yWHt3AEv\n Tytrheri4PU9beaqijmjATnQ3NA4mDjuz7t phtrSiAhsWAAmStLoD9+E9Ml3yUK7\nU1wg fy3MYaNqtAtBkdbZT9yTOjADKF+p//Vw+Bc 3/CtYmzSrBjts9oqg5QKBgQCo\nMiSXsbRe C54Z+GehHN71hArsU7A0Soce3b2dS/dyGoj Zd9SggAkK7j4lpTX3vXVS\nL/NTJvjG4vuf s9qwCUmKY8mnmmDarr4YKx+hucrANyhqNCX woUi0ApzqqTkCOQiM\neAQCQX45FPzV32QG KqNLcE5yHhkZUIHTAUiWdY34QQKBgCar2Zx EUn7eXqzu1hb+\nhV3rGYYU0IiMp0lfhzHs dCu/E+oUlVypsgahmLSRzkY8arb2u4Ao2vf +qtZvd2O1\n74BOKtClR4/gSHdleM1D4eRB wjQyquS8wmS7nh3XbJGYvNqetvZ66FFAKXR XnLlg\nv88cSS1uhynUfPSzjb1+wDa5\n-- ---END PRIVATE KEY-----\n",	This API is used to import an already existing certificate.

```
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		CERTIFICATE-----\n",
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CERTIFICATE-----\n-----BEGIN
CERTIFICATE-----
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E97CkDWdDh1Zlx30JkDntSqx3eJeum5zvJ6
RBzEIBa\noTA48Hw8MnEvucTsZN1/tAAwbm
bwiT4VuojvoQQkoKxprqJTB8NTpWmpJj8pg
9eJ\ndnlJ0SASp8k9BKN38O/L9gejSpqwbr
8DA7VzR3wW3lhxciazEiJ2MTf0by8eBCnA\
nyvVgHVL3092nNTrdPVtcpEnIU/g6Day8dm
vCqza/w8fvzeDLW4AT3jn5uug7S+tL\ngx8
N9+sVyxKEDMymjxE8npAUAvRSuHNDFTMgEk
YIsGxcl3Th1Qo1CXJwBEmOiasC\nAwEAAaN
jMGEwHQYDVR0OBBYEFH3ByevtTx1c8uvqnj
vv4yqZyWrMMB8GA1UdIwQY\nMBaAFH3Byev
tTx1c8uvqnjvv4yqZyWrMMA8GA1UdEwEB/w
QFMAMBAf8wDgYDVR0P\nAQH/BAQDAgGGMA0
GCSqGSIb3DQEBCwUAA4IBAQCfx7KWiWiHmh
i/2Fd/5UYQOZ1k\ng1qGEp8KV0E7JwV8WHs
THogIDnLuanj5rYBCTP5PHrU29qgOrxqn9Z
y7vMvF/MFF\nMlLOgei8sloSeUpKLOdfqUw
ojRo7WGVZNKd7AaJc7R+zmzcql+xGmb4nJV
x+fEgU\nMCoSicaYoLTyXMili3WcNAkRSQg
dhE743vhu674aXQrCbDg/AFTuwNin4SwrLj
QK\npVcUO6RiwkVAJ3Y4RtFrqz5rwR9SZD3
U/3bqrIzqajuKuSbqZl5uizH3L5in8r9r\n
fddXMQbK+b3A7v3AaJemFDm/hOEgm50p5jh
0TZC92E/qI3vFyC7FMkHaRGm6\n-----END
CERTIFICATE-----\n",
  "leafCert": "-----BEGIN
CERTIFICATE-----
\nMIIDzzCCAregAwIBAgIGAXON2rrTMA0GC
SqGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\nKn
ZSZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNY

W5hZ2VyIExvY2tlciBDQTEPMA0G\nA1UECg
wGVk13YXJlMQswCQYDVQQGEwJJTjAeFw0yM
DA3MjcwMTE5NDhaFw0yMjA3\nMjcwMTE5ND
haMFoxDzANBgNVBAMMBnZtd2FyZTEPMA0GA
1UECwwGdm13YXJlMQ8w\nDQYDVQQKDAZ2bX
dhcmUxCzAJBgNVBAcMAklOMQswCQYDVQQID
AJJTjELMAkGA1UE\nBhMCSU4wggEiMA0GCS
qGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCj4
AcR4nEGFX07\n7746gtcfDRSprywMHVvL7t
w16T5NIW3aiZdAG0+Y1LHKP/ySi1y4Tw7pu
JDaCHQH\n4Es40GcgdcjHJ9B5rcANI7suCe
lqSF0jWAEBVIz5+OMCX7KcgKbCnXnZFORk7
BW6\nsNnrQcdou89SzEAQWhbDQN/Gkewoac
+XEsuxrf4TVXsSIzjDCnpXtA4bAoGYZMhl\
nMmpCi6KkIeboOfISFf2ndkArV5xImJRLGE
ipo9Rzb3o9fRAQ2h6yIew0ClXic7eN\nxVW
pMBkdscQBufDKXAJ00ugAF36thWG+rAL05P
/4iWLVGLWG00o48O/sh44qVYFU\nUmw/YU3
rAgMBAAGjgaEwgZ4wHQYDVR0OBBYEFMKgid
sQyZNHdWfQunuH1tN+klM7\nMB8GA1UdIwQ
YMBaAFH3ByevtTx1c8uvqnjvv4yqZyWrMMB
wGA1UdEQQVMBOHBArE\nDw2CCyouc3FhLmx
vY2FsMA4GA1UdDwEB/wQEAwIFoDAgBgNVHS
UBAf8EFjAUBggr\nBgEFBQcDAgYIKwYBBQU
HAwEwDAYDVR0TAQH/BAIwADANBgkqhkiG9w
0BAQsFAAOC\nAQEAqujRcuXVQhYYcrLvs2d
dWDjMlhb4N5sDFTaQGBQSc5neIpBxcTNCou
kRJh7R\nAamIxMSVgOIupMa1mA/FDYqdd1u
C7hUeIScYo3JxKpmd7iuHik8t3WKenTlXCE
7T\nOOGHDrZ7ta51pq3sXdHtyN1OvypnzYY
sSN3APXP9VX71R1RL2YKl8DfdBkSaerfT\n
wawhmeZwQnOPvGJZCqMqVxgOzVb7rZqmMq7
aFNZ1uzhu022zsb60CpfqaobHo0fj\neajC
ueMj38MQDhoeMQiooYwDL4PGgWizgiBX1N5
cP996OJTyU2no//TBszq9Wp1M\nly1KbWOl
GL/14KD3cGKn85L8QA==\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": "e29cc66231a79af587e903e7cfbaf6d3d0ea392e36f496b7a2f078c54579faeb", "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": "vCenterUser@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": "VRSLCM!4200",
		"userName": "",
		"password": "Vrslcm!",
		"passwordDescription": "",
		"principal": "",
		"createdOn": 1600007526460,
		"lastUpdatedOn": 1600007573766
		}

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\":\"vRSLCMuser@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\",\"use
r\":\"vRSLCMuser@local\"}",
          "nodes": []
        },
        {
          "name": "vrli",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"use
r\":\"admin\"}",
          "nodes": []
        },
        {
          "name": "vrni",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"use
r\":\"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\":\"vRSLCMuser@local\"}",
          "nodes": []
        },
        {
          "name": "vrops",
          "consumption":
"{\"editable\":\"true\",\"inventoryOnly\":\"false\",\"use
r\":\"admin\"}",
```

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

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",
    "filePath": "/data/nfsfiles/VMware-vR-
Appliance-7.6.0.317-13027280_OVF10.ova",
    "type": "install"
  },
  {
    "name": "VMware-vRealize-Log-Insight-
4.7.1-10752772.pak",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-4.7.1-10752772.pak",
    "type": "upgrade"
  },
  {
    "name": "VMware-vRealize-Log-Insight-
4.7.1-10752772_OVF10.ova",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-4.7.1-
10752772_OVF10.ova",
    "type": "install"
  },
  {
    "name": "VMware-vRealize-Log-Insight-
4.8.0-13036238.pak",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-4.8.0-13036238.pak",
    "type": "upgrade"
  },
  {
    "name": "VMware-vRealize-Log-Insight-
4.8.0-13036238_OVF10.ova",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-4.8.0-
13036238_OVF10.ova",
    "type": "install"
  },
  {
    "name": "VMware-vRealize-Log-Insight-
8.0.0-14870409.pak",
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-8.0.0-14870409.pak",
    "type": "upgrade"
  },
  {
    "name": "VMware-vRealize-Log-Insight-
8.0.0.0-14870409_OVF10.ova",
```

```
    "filePath": "/data/nfsfiles/VMware-
vRealize-Log-Insight-8.0.0.0-
14870409_OVF10.ova",
    "type": "install"
  },
  {
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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",
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		  },
		  {
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		  "name": "VMware-vRealize-Network-Insight-5.0.0.1568279774-platform.ova",
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		  },
		  {
		  "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",	Make sure atleast one myvmware account is added.

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    "productBinaryType": "upgrade",
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    "mappingType": null,
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    "requestId": null,
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		"mappingType": null,
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		"removeBinary": null
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		"productVersion": "3.3.1",
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		"componentName": null,
		"mappingType": null,
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		"requestId": null,
		"removeBinary": null
		}
		]	

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"
		}	

Data Center Operation APIs

Name	HTTP Method	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",	

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              "resourcePool": null,
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              "esxHostBuild": "7967591",
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              "dns":
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              "ESXI Version": "6.5.0",
              "domain": "sqa.local",
              "vcUsername":
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              "folderName": null,
              "gateway": "10.196.187.253",
              "searchpath": "sqa.local",
              "__sshVerified": "true",
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              "netmask": "255.255.255.0",
              "__vMoid": "vm-27422"
            }
          },
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            "properties": {
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              "cluster":
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              "esxHost": "w1-hs1-
g0312.eng.vmware.com",
              "memory": "6",
              "diskMode": "thin",
              "vCenterHost": "eso-
vc07.eng.vmware.com",
              "masterTenantId": "LCM2-187-
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              "storage":
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              "windowsDeployement":
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              "network":
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              "capacity": "60.2",
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              "cpuCount": "2",
              "resourcePool": null,
              "canBeDeleted": "true",
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              "ip": "10.196.187.31",
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          "isClustered": "false",
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          "__isTenantByPath": "false",
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          "defaultConfigurationPassword":
"locker:password:314c2f02-27a7-4d94-b178-
e0dda61e4c88:VMware-Default-Password",
          "vidmDomainName": "sqa.local",
          "__isMigrationRequest": "false",

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          "syncGroupMembers": "true",
          "adminEmail": null,
          "vidmOAuthServiceClientId":
"Service__OAuth2Client",
          "vidmOAuthServiceClientSecret":
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          "__isTenancyEnabled": "false",
          "vidmDBType": "postgresql",
          "__vidmIsExternalDB": "false",
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"false",
          "__vidmFormFactor": "true"
        }
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  },
  {
    "environmentId":
"vRSSmallImportEnvironment1595601218016",
    "environmentName": "vRS Small Import
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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"
		  },
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		  "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": "vCenterUser@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": "vCenterUser@vsphere.local",
		"vcPassword": "VRSLCM!4",
		"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 :
		{
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		"vCenterHost": "wdc-lcm-vc.sqa.local",
		"vcUsedAs": "MANAGEMENT",
		"version": "6.5.0",
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		"vcPassword": "locker:password:314c2f02-27a7-4d94-b178-e0dda61e4c88:VMware-Default-Password",
		"dataCollectionStatus": null,
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                    "isManaged": true
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28805607456768,
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                    "isManaged": true
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                  "isManaged": true
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                {
                  "storageName":
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                  "availableSize":
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050410.eng.vmware.com"
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              "availableSize":
5031763902464,
              "isManaged": true
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192.168.1.0",
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            {
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            {
              "name":
"T_IAAS_Win2K12R2_LUA"
            },
            {
              "name": "W2K16_TEMP"
            },
            {
              "name": "W2K19"
            }
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          "isManaged": null,
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              "children": [
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                  "name": "TBD",
                  "children": null,
                  "morId": "resgroup-25290"
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                "children": null,
                "morId": "resgroup-12350"
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              {
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                "children": [
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                    "name": "CTOA-SHA-set-
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                    "children": null,
                    "morId": "resgroup-2873"
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                    "children": null,
                    "morId": "resgroup-2819"
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                    "children": null,
                    "morId": "resgroup-2878"
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                    "children": null,
                    "morId": "resgroup-2877"
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                  {
                    "name": "CTOA-SHA-set-
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                    "children": null,
                    "morId": "resgroup-2875"
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          "resourcePools": []
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      "folders": [
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          "name": "Discovered virtual
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          "children": null
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          "name":
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          "children": null
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          "children": null
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          "name": "saravinth",
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          "children": null
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              "name": "vIDM",
              "morId": "group-v10732",
              "children": [
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      "morId": "group-v12011",
      "children": null
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      "morId": "group-v12104",
      "children": null
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      "morId": "group-v11944",
      "children": null
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      "morId": "group-v10820",
      "children": null
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    {
      "name": "SM13",
      "morId": "group-v12103",
      "children": null
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    {
      "name": "vRLCM",
      "morId": "group-v12057",
      "children": null
    },
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      "name": "SM04",
      "morId": "group-v11002",
      "children": null
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            {
              "name": "SM03",
              "morId": "group-v10821",
              "children": null
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      ]
    }
  ],
  "templateCustomSpecs": [
    {
      "name": "Windows-NoDomain"
    },
    {
      "name": "DeployDB-devLcmLocal"
    },
    {
      "name": "vgadre"
    },
    {
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    },
    {
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    },
    {
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    {
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    {
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    {
      "name": "VG-WIN-Config"
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    {
      "name": "Windows_lcm_sri"
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    {
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    {
      "name": "Windows_lcm_qe_sri"
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    {
      "name": "Windows_lcm_dev_sri"
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  ],
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		"contentLibraryId": "bfba42b9-3b23-4dad-a9d4-599e266ac9eb",
		"contentLibraryItems": []
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		{
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		"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": "vCenterUser@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",	

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              "capacity": "60.2",
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e0dda61e4c88:VMware-Default-Password",
              "vidmSystemAdminPassword":
"locker:password:314c2f02-27a7-4d94-b178-
e0dda61e4c88:VMware-Default-Password",
              "enableTelemetry": "true",
              "affinityRules": null,
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06f4ba06b6ea:ESO-VC-Password",
              "cpuCount": "2",
              "resourcePool": null,
              "vmName":
"dgnaneswaran_SS_VIDM_331",
              "esxHostBuild": "7967591",
              "vidmSshPassword":
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e0dda61e4c88:VMware-Default-Password",
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              "dns":
"10.141.66.213,10.118.183.252",
              "ESXI Version": "6.5.0",
              "domain": "sqa.local",
              "vcUsername":
"sampaths.admin@sqa.local",
              "folderName": null,
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              "__vMoid": "vm-27422"
            }
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            "properties": {
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g0312.eng.vmware.com",
              "memory": "6",
              "diskMode": "thin",
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              "masterTenantId": "LCM2-187-
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              "storage":
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                "affinityRules": null,
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06f4ba06b6ea:ESO-VC-Password",
                "cpuCount": "2",
                "resourcePool": null,
                "canBeDeleted": "true",
                "vmName":
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                "ip": "10.196.187.31",
                "dns":
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                "ESXI Version": "6.5.0",
                "version": "3.3.2",
                "domainJoined": "null",
                "port": "8443",
                "domain": "sqa.local",
                "vcUsername":
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                "folderName": null,
                "gateway": "10.196.187.253",
                "searchpath": "sqa.local",
                "netmask": "255.255.255.0",
                "__vMoid": "vm-27422"
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            "__enableTenancy": "false",
            "defaultConfigurationUsername":
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            "isClustered": "false",
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A0G\nA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTjAeFw
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1CVTEP\nMA0GA1UECgwGVk13YXJlMRIwEAYDVQQHDAl
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"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"
            }
          },
          {
            "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",
              "vmName":
"dgnaneswaran_SS_small_vrni_platform",
              "esxHostBuild": "7967591",
              "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":
"vRSLCMuser@local",
          "license": "M543G-001E3-18T89-
0MZ8P-CD7MZ",
          "masterVidmHostName": null,
          "certificateChain": "-----BEGIN
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BDwAwggEK\nAoIBAQC/4TVWqfOTGZsigEbPaApMLnns
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g+mFrgwWnbsfiXr7OklwCHbSyrZpwIlCMJ/lK+I97rk
kWKL66fTrojz\nfKurQtWbimiEoAsLx0oWMFRl4n52N
```

```
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2Ho7KKNOG1tnoyh\nII90P1KPoBLH3pZujrR/3uMuxz
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H288PUqK5IJJPg9ZlzZKreJHxAgMBAAGjgZswgZgwHQ
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1LuoGbPak2goQLdUIAdS8+ja4dLDQLBIOnNMvVa9TST
ctEHQDf\nTvTiJdQijlPTtJBhUwwAOR+aGQFiFJUtzy
YqCFW5ra3dHnVYuEnhppdbpzVkPoNQ\nhb95oiGDM4q
l5uEd9Dh1qm76T8pgYmeUzYpaZA==\n-----END
CERTIFICATE-----\n",
          "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\":\"standalone\",\"account\":null,\
"expiry\":0,\"status\":\"ACTIVE\",\"onPremA
llocation\":null,\"startDate\":null,\"endDa
te\":null,\"casId\":null,\"lintId\":null,\"
falconId\":null,\"productVersionMap\":{\"vr
ni\":[\"4.2.0\",\"5.0.0\",\"5.1.0\",\"5.2.0
\",\"5.3.0\"],\"vrops\":[],\"vra\":[],\"vrb
c\":[],\"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": "vCenterUser@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": "vCenterUser@vsphere.local"
		  },
		  {
		  "vCenterHost": "lcm-vc1.sqa.local",
		  "vCenterName": "vCenter1",
		  "vcPassword": "Vmware5!",
		  "vcUsedAs": "MANAGEMENT",
		  "vcUsername": "vCenterUser@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": "vCenterUser@vsphere.local"`
		`  },`
		`  {`
		`  "vCenterHost": "lcm-vc1.sqa.local",`
		`  "vCenterName": "vCenter1",`
		`  "vcPassword": "VMware",`
		`  "vcUsedAs": "MANAGEMENT",`
		`  "vcUsername": "vCenterUser@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": "vCenterUser@vsphere.local"`
			`  },`
			`  {`
			`"vCenterHost": "lcm-vc1.sqa.local",`
			`"vCenterName": "vCenter1",`
			`"vcPassword": "VMware189!",`
			`  "vcUsedAs": "MANAGEMENT",`
			`"vcUsername": "vCenterUser@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,
		  "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",
			Here "**status**" can be **COMPLETED, FAILED or INPROGRESS**

```
              "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",
                "folderName": null,
                "gateway":
"10.196.187.253",
                "searchpath":
"sqa.local",
                "netmask":
"255.255.255.0",
                "__vMoid": "vm-27422"
              }
            }
          ],
          "properties": {
            "__isInstallerRequest":
"false",
            "__enableTenancy": "false",
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"defaultConfigurationUsername":
"configadmin",
          "isClustered": "false",
          "certificateChain": "-----
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yIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YX
JlMQswCQYDVQQGEwJJTjAeFw0yMDA1MDYxMDE
yNTZaFw0yMjA1\nMDYxMDEyNTZaMGkxEjAQBg
NVBAMMCXNxYS5sb2NhbDENMAsGA1UECwwEQ01
CVTEP\nMA0GA1UECgwGVk13YXJlMRIwEAYDVQ
QHDAlCYW5nYWxvcmUxEjAQBgNVBAgMCUth\nc
m5hdGFrYTELMAkGA1UEBhMCSU4wggEiMA0GCS
qGSIb3DQEBAQUAA4IBDwAwggEK\nAoIBAQC/4
TVWqfOTGZsigEbPaApMLnns2RDzFgBr26/BB+
lq0P0SeiRdTlorR3nf\nJ/RgZUUpxg+mFrgwW
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KL66fTrojz\nfKurQtWbimiEoAsLx0oWMFRl4
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MB8GA1UdIwQYMBaAFA78sVbblKCPVHbEadopp
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FJAAOCAQEAdJhVYXaop1TiHtH246pDNA7sfcJ
WJr5SoA5zLEsy+lU9CaN1\nLdw/PtqbUM0E7l
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vTiJdQijlPTtJBhUwwAOR+aGQFiFJUtzyYqCF
W5ra3dHnVYuEnhppdbpzVkPoNQ\nhb95oiGDM
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-END CERTIFICATE-----\n-----BEGIN
CERTIFICATE-----
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yIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YX
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2MjJaFw0yMjA1\nMDYwOTI2MjJaMFMxMzAxBg
NVBAMMKnZSZWFsaXplIFN1aXRlIExpZmVjeWN
sZSBN\nYW5hZ2VyIExvY2tlciBDQTEPMA0GA1
UECgwGVk13YXJlMQswCQYDVQQGEwJJTjCC\nA
SIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCgg
EBAMBMjwSD+nPTkbgYZC2o95v7\n2dnTKv4HC
```

```
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i/NqySUwmhr5/kMkRIHX73+nz5ksmpsK0bQCF
CvEqj7ripw\n5CiePXJbBWvm3uIm6C2/A83OH
E3K8b2M+sDKCNUh+jn2IJxRfyXPBbJB5dk99S
FV\nC47ZgtFbhUZf6/LulSxJgQAC4wNwrKMtM
qctU26oOn0P647pmxnKzKtev7nNRkMw\nU7PU
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adopppTTWcmVMA8GA1UdEwEB/wQFMAMBAf8wD
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Iw2cJEryR0gbHgyvhWpY\n9cX5rLWBT2KFKVw
n+6c3sLX6gmKxP+Gi6iePopvguJdEufOTQjmZ
4NfxLsW8S9p2\n5hrLY5kU7DC74BE+JNY80O1
dxtz/Qr4+16Xq/pbz/jvU6ti1P6JohKTmTMnB
tQBc\nET4isPjqmvC7+0G3h9HcnnXw01oI+as
r9a+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",
          "__isMigrationRequest":
"false",
          "syncGroupMembers": "true",
          "adminEmail": null,
          "vidmOAuthServiceClientId":
"Service__OAuth2Client",

"vidmOAuthServiceClientSecret":
"wrxXl5RMGYnrhyRk0EE9tiI5upiebQBn",
          "__isTenancyEnabled":
"false",
          "vidmDBType": "postgresql",
          "__vidmIsExternalDB":
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nAf8EFjAUBggrBgEFBQcDAgYIKwYBBQUHAwEw
DAYDVR0TAQH/BAIwADANBgkqhkiG\n9w0BAQs
FAAOCAQEAdJhVYXaop1TiHtH246pDNA7sfcJW
```

```
Jr5SoA5zLEsy+lU9CaN1\nLdw/PtqbUM0E7lx
j1MQpMEpD4iL2uimAi9rtTxjj7KxS6IW/mKNl
JoqNGRXpk32P\n9/Nc3ZOHOYGABonRlJhoLGW
NmXLlrh8AVtVG2Hxp4M58ulEijHbEEQop4Tmk
oMJj\nsBeJmjvF+tZDp81LuoGbPak2goQLdUI
AdS8+ja4dLDQLBIOnNMvVa9TSTctEHQDf\nTv
TiJdQijlPTtJBhUwwAOR+aGQFiFJUtzyYqCFW
5ra3dHnVYuEnhppdbpzVkPoNQ\nhb95oiGDM4
ql5uEd9Dh1qm76T8pgYmeUzYpaZA==\n-----
END CERTIFICATE-----\n",
          "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\":\"standalone\",\"acco
unt\":null,\"expiry\":0,\"status\":\"
ACTIVE\",\"onPremAllocation\":null,\"
startDate\":null,\"endDate\":null,\"c
asId\":null,\"lintId\":null,\"falconI
d\":null,\"productVersionMap\":{\"vrn
i\":[\"4.2.0\",\"5.0.0\",\"5.1.0\",\"
5.2.0\",\"5.3.0\"],\"vrops\":[],\"vra
\":[],\"vrbc\":[],\"vrli\":[]},\"expi
red\":false}",
          "licenseVmid": "34256b6a-
c470-48fe-8298-526c23d4f295"
        }
      }
    ]
  }
]
```

Create an Environment	POST	/lcm/lcops/api/v2/environments
		Deployments
		vROPS
		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",
			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 :
			
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync mode:
			
			"timeSyncMode": "host"
			
			Deployment Type : (master , replica(HA) , data)

		"certificate": "locker:certificate:f4e98b983:vmware",
		"productPassword": "locker:password:d21-d9de2c10:VRSLCM!4",
		"disableTls": "",
		"timeSyncMode": "ntp",
		"masterVidmEnabled": false,
		"ntp": "ntp1.eng.vmware.com",
		"affinityRule": false,
		"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": "vCenterUser@vsphere.local",
			Extra Small :
			"deployOption": "xsmall"
			
			Small :
			"deployOption": "small"
			
			Large :
			"deployOption": "large"
			
			Extra large :
			"deployOption": "xlarge"
			
			Deployment Type : (remote collector)
			
			"deployOption": "smallrc",
			
			"deployOption": "largerc"
			
			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:

		"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",
		"ip": "10.196.57.70"
		}
		}
		]
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRLI
		Request Body : "environmentRequestDTO"
		
		{
		"environmentName": "vrli_deployment",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
			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.
			
			vROPs replica node deployment is High 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

		"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:VRSLCM!4",
		"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": [
		{
		"id": "vrli",
		"version": "8.0.0",
		"properties": {
		"certificate": "locker:certificate:49b8f38fd2bdf35b0a:vm",
		"productPassword": "locker:password:811-c6032ee9c5bb:VRSLCM!4",
		"licenseRef": "locker:license:93a380ce-081c-411ca58f8ddb:license",
		"nodeSize": "small",
		"configureClusterVIP": "false",
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			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 mode:
			
			"timeSyncMode": "host"
			
			Deployment Type :
			
			Small : "nodeSize" : "small"
			
			Large : "nodeSize" : "large"

		"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"
		}
		},
		{
		"type": "vrli-master",
		"properties": {
			Medium : "nodeSize" : "medium"
			
			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

		"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",
		"infrastructure": {
		"properties": {
		"dataCenterVmid": "ee6ce426-ca13-4e56-ad9e-c34a4d3d90c2",
		"regionName": "default",
		"zoneName": "default",
		"vCenterName": "lcm-vc2",
		"vCenterHost": "lcm-vc2.sqa.local",
		"vcUsername": "vCenterUser@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",
			request payload for the 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 :
			
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync mode:
			
			"timeSyncMode": "host"
			
			Locker Items:

		"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"
		}
		},
		"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 :
			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 7.x
			
			DiskMode :-

		{
		"requestId":"5fcv194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 7.x
		Request Body : "environmentRequestDTO"
		
		{
		"environmentName": "vra_deployment",
		"environmentHealth": null,
		"logHistory": null,
		"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:1a72b0:kar-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb92ee9c5bb:VRSLCM!4",
		"certificate": "locker:certificate:49b-43b2-98ba-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"
			Thin Deployments - "diskMode": "thin"
			
			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 mode:
			
			"timeSyncMode": "host"
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

		`}`
		`},`
		`"products": [`
		`{`
		`"id": "vra",`
		`"version": "7.6.0",`
		`"patchHistory": null,`
		`"snapshotHistory": null,`
		`"logHistory": null,`
		`"clusterVIP": {`
		`"clusterVips": [`
		`{`
		`"type": "iaas-manager",`
		`"properties": {`
		`"hostName": "sqa.local"`
		`}`
		`},`
		`{`
		`"type": "vra-va",`
		`"properties": {`
		`"hostName": "sqa.local"`
		`}`
		`},`
		`{`
		`"type": "iaas-web",`
		`"properties": {`
		`"hostName": "sqa.local"`
		`}`
		`}`
		`]`
		`},`
		`"nodes": [`
		`{`
		`"type": "vra-server-primary",`
		`"nodeSnapshot": {`
		`"snapshotNmae": null,`
		`"snapshotWithMemory": false`
		`},`
		`"properties": {`
		`"vmName": "vra-server-primary",`
		`"hostName": "lcm-57-73.sqa.local",`
		`"ip": "10.196.57.73"`
		`}`
		`},`
		`{`
		`"type": "db",`
		`"nodeSnapshot": {`
		`"snapshotNmae": null,`
		`"snapshotWithMemory": false`
		`},`
		`"properties": {`
			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
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Deployment Type : (Standard, Cluster)

		"ip": "10.196.57.72",
		"vmName": "db",
		"hostName": "lcm-57-72.sqa.local"
		}
		},
		{
		"type": "iaas-web",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"vmName": "iaas-web",
		"hostName": "lcm-57-71.sqa.local",
		"ip": "10.196.57.71"
		}
		},
		{
		"type": "iaas-manager-active",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"vmName": "iaas-manager-active",
		"hostName": "lcm-57-70.sqa.local",
		"ip": "10.196.57.70"
		}
		},
		{
		"type": "iaas-dem-worker",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"hostName": "lcm-57-69.sqa.local",
		"vmName": "iaas-dem-worker",
		"ip": "10.196.57.69"
		}
		},
		{
		"type": "proxy-agent-vsphere",
		"nodeSnapshot": {
		"snapshotNmae": null,
			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

		"snapshotWithMemory": false
		},
		"properties": {
		"hostName": "lcm-57-68.sqa.local",
		"vmName": "proxy-agent-vsphere",
		"ip": "10.196.57.68",
		"vsphereEndpointName": ""
		}
		}
		],
		"properties": {
		"windowsUserName": "sqa\\windowsusername",
		"cafeCertificate": "locker:certificate:49b43b2-98ba-c1d2bdf35b0a:vm",
		"msCertificate": "locker:certificate:49b8f38fba-c1d2bdf35b0a:vm",
		"webCertificate": "locker:certificate:49b8f38f-28ba-c1d2bdf35b0a:vm",
		"useComponentCertificate": "true",
		"certificate": "",
		"productPassword": "locker:password:81f9c5bb:VRSLCM!4",
		"licenseRef": "locker:license:bcd5143c2:dfsf",
		"windowsPassword": "locker:password:81fb36e9c5bb:VRSLCM!4",
		"masterVidmEnabled": "false",
		"timeSyncMode": "host",
		"ntp": "",
		"configureWindowVM": "false",
		"affinityRule": "false",
		"configureAffinitySeparateAll": "true",
		"configureClusterVIP": "true",
		"installInitialContent": "true"
		}
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			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 below format:
			
			Password:
			
			locker:password:<vmid>:<alias>
			
			Certificate:
			
			locker:certificate:<vmid>:<alias>
			
			License:
			
			locker:license:<vmid>:<alias>

		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 8.x
		Request Body :
		"environmentRequestDTO"
		
		{
		"environmentName": "vra_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:1a72829r-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "abc@vmware.com",
		"defaultPassword": "locker:password:81fb2ee9c5bb:VRSLCM!4",
		"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",
			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"
			
			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"

		"version": "8.1.0",
		"properties": {
		"certificate": "locker:certificate:49b8b2-98ba-c1d2bdf35b0a:vm",
		"productPassword": "locker:password:81f41d9c5bb:VRSLCM!4",
		"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": {
		"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"
			For setting hostTime as time sync mode: NA
			
			Deployment Type : (platform)
			
			Standard : "deployOption": "medium/large/extra-large"
			
			Cluster : "deployOption": "large/extra-large"
			
			Deployment Type : (collector)
			
			Standard : "deployOption": "medium/large/extra-large"
			
			Cluster : "deployOption": "medium/large/extra-large"
			
			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:

		}
		vIDM
		Request Body :
		"environmentRequestDTO"
		{
		  "environmentName": "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:609cb1a8:DC1-LCM-VC2-Import-vCenter",
		  "acceptEULA": "true",
		  "enableTelemetry": "true",
		  "adminEmail": "abc@vmware.com",
		  "defaultPassword": "locker:password:d224d62c10:VRSLCM!4",
		  "certificate": "locker:certificate:0e8a-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",
		  "ntp": "",
		  "isDhcp": "false"
		  }
		  },
		  "products": [
		  {
		  "id": "vidm",
		  "version": "3.3.2",
		  "properties": {
			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.
			
			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:

		"vidmAdminPassword": "locker:password:d228-ae91-d9de9bd62c10:VRSLCM!4",
		"syncGroupMembers": false,
		
		"defaultConfigurationUsername": "configadmin",
		
		"defaultConfigurationPassword": "locker:password:d222c10:VRSLCM!4",
		"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",
		"cluster": "Datacenter-01#Cluster-01",
		"resourcePool": "",
		"folderName": "",
		"network": "dvs-55-Network-314b11d9-c958-4aa2-af98-cd5439a970d7",
			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, certificates, licenses should be created. Refer section 3 for Locker related APIs.
			
			Locker reference will typically in the below format:

		"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:VRSLCM!4",
		"adminUserName": "",
		"vmName": "vidm-connector",
		"vidmConnectorName": "windows",
		"vidmConnectorAdminPassword":"locker:password:a1b8436:VRSLCM!4200",
		"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"
		}
		}
		]
		}
		]
		}
			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.
			
			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:

		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRNI
		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:VRSLCM!4",
		"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"
		}
			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 7.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:

		`},`
		`"products": [`
		`{`
		`"id": "vrni",`
		`"version": "5.1.0",`
		`"properties": {`
		`"ntp": "",`
		`"certificate": "locker:certificate:49bfe-43b2-98ba-c1d2bdf35b0a:vm",`
		`"productPassword": "locker:password:81f-af91-c6032ee9c5bb:VRSLCM!4",`
		`"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"`
		`}`
			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:

		Imports
		vROPS
		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":"",
		"vropsAdminPassword": "locker:password:81fb3628-bdad-c6032ee9c5bb:VRSLCM!4",
		"rootPassword": "locker:password:1fb3628-bdad-41d9-af91-c5bb:VRSLCM!4",
		"isImport": "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 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:

		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
		
		Response code : 200 OK
		Response Body:
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRLI
		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:VRSLCM!4",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
			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:

		"products": [
		{
		"id": "vrli",
		"version": "8.0.0",
		"properties": {
		"vrliHostName": "lcm-57.sqa.local",
		"vCenterList": "",
		"vrliAdminPassword": "locker:password:81fb3628-bdad-4c5bb:VRSLCM!4",
		"rootPassword": "locker:password:81fb3628-bdad-49c5bb:VRSLCM!4",
		"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",
		"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:VRSLCM!4",
		"certificate": "",
		"cluster": "",
			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.

```
      "storage": "",
      "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:V
RSLCM!4",
        "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",
  "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:VRSLCM!4",
      "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:VRSLCM!4",
        "vraImportVersion": "7.6.0",
        "cafeHostNamePrimary": "lcm-
57.sqa.local",
        "cafeRootPasswordPrimary":
"locker:password:81fb3628-bdad-41d9-
bb:VRSLCM!4",
        "windowsUserName":
"DOMAIN\\USERNAME",
        "tenantName":
"vsphere.local",
```

```
        "tenantUserName":
"configadmin",
        "tenantUserPassword":
"locker:password:81fb36-
c6032ee9c5bb:VRSLCM!4",
        "vraAdminPassword":
"locker:password:81fb3628-91-
c6032ee9c5bb:VRSLCM!4",
        "vCenterList": "",
        "isImport": "true"
      },
      "clusterVIP": {
        "clusterVips": []
      },
      "nodes": []
    }
  ]
}

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


vRA 8.x


```
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:VRS
LCM!4",
      "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:VRSLCM!4",
        "tenantName":
"vsphere.local",
        "vCenterList":
"[{\"vCenterHost\":\"lcm-
vc1.sqa.local\",\"vcUsername\":\"auto
user@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"
}
```


The pictur e can'...

vIDM


```
Request Body :
"environmentRequestDTO"
{
  "environmentName":
"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:VRSLCM!4",
      "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",
      "ntp": "",
      "isDhcp": "false"
    }
  },
  "products": [
    {
      "id": "vidm",
      "version": "3.3.2",
      "properties": {
        "hostName": "lcm-
57.sqa.local",
        "vidmSystemAdminPassword":
"locker:password:d224e64f-
d62c10:VRSLCM!4",
        "vidmAdminPassword":
"locker:password:d224e6462c10:VRSLCM!
4",
```

		"vidmSshPassword": "locker:password:d224e64f-e438-462c10:VRSLCM!4",
		"vidmRootPassword": "locker:password:d224e64fbd62c10:VRSLCM!4",
		"isImport": "true",
		
		"defaultConfigurationUsername": "configadmin",
		
		"defaultConfigurationPassword": "locker:password:d224e61-d9dc10:VRSLCM!4",
		"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",
		"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:VRSLCM!4",	

		"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"
		}	

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:VRSLCM!4\",\"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 small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"8.0.1\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"8.1.0\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"]},\\\"selectedVersion\\\":\\\"8.2.0\\\",\\\"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\\\":\\\"8.0.1\\\",\\\"deploymentType\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"productDeploymentMetaData\\\":{\\\"sizingURL\\\":\\\"https://kb.vmware.com/s/article/2093783\\\",\\\"productInfo\\\":\\\"vRealize Operations Manager - 8.0.1\\\",\\\"deploymentType\\\":null,\\\"deploymentItems\\\":null,\\\"add

itionalInfo\\\":null}},{\\\"version\\\":\\\"8.1.1\\\",\\\"deploymentType\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"productDeploymentMetaData\\\":{\\\"sizingURL\\\":\\\"https://kb.vmware.com/s/article/2093783\\\",\\\"productInfo\\\":\\\"vRealize Operations Manager - 8.1.1\\\",\\\"deploymentType\\\":null,\\\"deploymentItems\\\":null,\\\"additionalInfo\\\":null}},{\\\"version\\\":\\\"8.1.0\\\",\\\"deploymentType\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"productDeploymentMetaData\\\":{\\\"sizingURL\\\":\\\"https://kb.vmware.com/s/article/2093783\\\",\\\"productInfo\\\":\\\"vRealize Operations Manager - 8.1.0\\\",\\\"deploymentType\\\":null,\\\"deploymentItems\\\":null,\\\"additionalInfo\\\":null}},{\\\"version\\\":\\\"8.2.0\\\",\\\"deploymentType\\\":[\\\"Extra small:1\\\",\\\"small:2\\\",\\\"Medium:8\\\",\\\"Large:16\\\",\\\"Extra Large:6\\\"],\\\"productDeploymentMetaData\\\":{\\\"sizingURL\\\":\\\"https://kb.vmware.com/s/article/2093783\\\",\\\"productInfo\\\":\\\"vRealize Operations Manager - 8.2.0\\\",\\\"deploymentType\\\":null,\\\"deploymentItems\\\":null,\\\"additionalInfo\\\":null}}],\\\"nodeCount\\\":1,\\\"haEnabled\\\":false}]\",\"_isRedeploy\":\"false\",\"_isResume\":\"false\",\"_leverageProximity\":\"false\",\"__isInstallerRequest\":\"false\"}},\"products\":[{\"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\",\"affini

tyRules\":null,\"vcPassword\":\"locke
r:password:f78e6d56-29ed-4e8d-b9fc-
f7be8056ba08:VRSLCMpwd\",\"cpuCount\"
:\"2\",\"rootPassword\":\"locker:pass
word:c3b1c44d-4974-415a-a695-
d63476e90ede:VRSLCM!4\",\"resourcePoo
l\":\"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\":\"vCenterUser@
vsphere.local\",\"folderName\":null,\
"gateway\":\"10.198.35.253\",\"search
path\":\"sqa.local\",\"deployOption\"
:\"small\",\"netmask\":\"255.255.254.
0\",\"__vMoid\":\"vm-
73323\",\"__verified\":\"true\"}},{\"
type\":\"data\",\"properties\":{\"hos
tName\":\"lcm-34-
242.sqa.local\",\"cluster\":\"LCM-
Cluster-01\",\"esxHost\":\"w3-hs1-
050123.eng.vmware.com\",\"memory\":\"
16\",\"diskMode\":\"thin\",\"vCenterH
ost\":\"lcm-
vc.sqa.local\",\"storage\":\"FC-5TB-
new\",\"network\":\"infra-traffic-
1006\",\"capacity\":\"274.0\",\"affin
ityRules\":null,\"vcPassword\":\"lock
er:password:f78e6d56-29ed-4e8d-b9fc-
f7be8056ba08:VRSLCMpwd\",\"cpuCount\"
:\"4\",\"rootPassword\":\"locker:pass
word:c3b1c44d-4974-415a-a695-
d63476e90ede:VRSLCM!4\",\"resourcePoo
l\":\"resgroup-59134
(KiranBolaj)\",\"vmName\":\"kbolajDat
a242\",\"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\":\"vCenterUser@
vsphere.local\",\"folderName\":null,\
"gateway\":\"10.198.35.253\",\"search
path\":\"sqa.local\",\"deployOption\"
:null,\"netmask\":null,\"__vMoid\":\"
vm-
78152\"}}],\"properties\":{\"masterVi
dmHostname\":null,\"vropsAdminPasswor
d\":\"locker:password:c3b1c44d-4974-
415a-a695-
d63476e90ede:VRSLCM!4\",\"certificate
Chain\":\"-----BEGIN CERTIFICATE-----
\\nMIID2zCCAsOgAwIBAgIGAXLG7BqTMA0GCS
qGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\\nKnZS

ZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ
2VyIExvY2tlciBDQTEPMA0G\\nA1UECgwGVk1
3YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA2MTgx
MDE0MjFaFw0yMjA2\\nMTgxMDE0MjFaMGwxFT
ATBgNVBAMMDGNlcnRpZmljYXRlMTENMAsGA1U
ECwwEQ01C\\nVTEPMA0GA1UECgwGdm13YXJlM
RIwEAYDVQQHDAlCYW5nYWxvcmUxEjAQBgNVBA
gM\\nCUthcm5hdGFrYTELMAkGA1UEBhMCSU4w
ggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAw\\ngg
EKAoIBAQCZVfRxzv8hkYZCD+L0QDn/GHdi6jd
4x4yjfm0D+sKFYHHxmFNZHzbK\\nHLPlKfz1s
WQsdiq0a/rpfXlAN9rXijp+g9LScK41I9qyzI
SHIxAd0bIh6tK6VjiV\\nDjqL6CqijK5O15hG
YR3+DFInFjKPwyUSPlh8SVcTM4O6et4lU+DNp
5jsodjJxtIb\\nX3ONpZvlYUz472eqwTggiUq
f/Wx25ruwupiqTXzkai4rUQ2lWI1h4Zx1oF4E
yCLm\\nPY3NlF9YEdlowmBREmjocwWBA4D+oz
91rSzYjUL6crtNz6pXXoUdjKjfKsoWavGu\\n
6gZF3I4P6sCSVJCAa+jvEgyHugL9APjjAgMBA
AGjgZswgZgwHQYDVR0OBBYEFM+m\\nS6avFOa
IakM6q3BAbmySelvtMB8GA1UdIwQYMBaAFLz4
m09pNCMIp5IohqvsDoI+\\noIkWMBYGA1UdEQ
QPMA2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQ
EAwIFoDAgBgNV\\nHSUBAf8EFjAUBggrBgEFB
QcDAgYIKwYBBQUHAwEwDAYDVR0TAQH/BAIwAD
ANBgkq\\nhkiG9w0BAQsFAAOCAQEAKUWGEnqq
3xtXtEq0WuZ4vlQA3XKPLHtb89z6uUh1bq0+\
\nL/aKzeL5LIaR77kVq8oiVxlkaMmNvHtiW+N
xoNpkEbs1iR0eW3URhdve0ZZDY/pd\\n4ouuF
0pYyUAb2nQLuK/bsV8V99r1MecERoCnZBYW+h
LWGzKGl95fEFE6UeuWLlTb\\nCHXQYWjVgyE7
hnla3la/1d8Ka2f14lW37pi7d5Yqqu4V2+Im8
GdsjTLWCGPPc7v+\\nqQqMqzXhE8hF+xJ8Dd7
s0v2DuF5K7WdkG6gF7t1BiYykX1St1g3Zt6VW
2VFzpreS\\njd1K48+fFmf5NTQYe3WoC+Meu4
e0KzdrzNJG/8YT0A==\\n-----END
CERTIFICATE-----\\n-----BEGIN
CERTIFICATE-----
\\nMIIDiTCCAnGgAwIBAgIGAXLG2Cr8MA0GCS
qGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\\nKnZS
ZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ
2VyIExvY2tlciBDQTEPMA0G\\nA1UECgwGVk1
3YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA2MTgw
OTUyMzVaFw0zMDA2\\nMTYwOTUyMzVaMFMxMz
AxBgNVBAMMKnZSZWFsaXplIFN1aXRlIExpZmV
jeWNsZSBN\\nYW5hZ2VyIExvY2tlciBDQTEPM
A0GA1UECgwGVk13YXJlMQswCQYDVQQGEwJJTj
CC\\nASIwDQYJKoZIhvcNAQEBBQADggEPADCC
AQoCggEBAI+pvkX8muVzNNpYwjt+1iP8\\nPU
PkShX53OPEEvU5ey/oBtJfVcvWWS57mHaSVAR
HspwEHqpRjpFETMCHwdsikDxB\\ngIAYj12CD
xDtPmGK36z63pM8oLJo5MxbYRVHjdp4LAINpI
wcrZkZvmKBM2dWBjOB\\nRHDPbINkcDk540fV
xxeGjr7CZvOrkV8WYYKKG/F3q+ez9N6AdYffL
szKRYqHVInD\\ngHC/BsDe0BEPu03IFPnkRun
l6o2+BoVQ7Fg6hzP23he9IF0fGY8ispJ4O8j/

a4tI\\nk7+IsOAVMXRSr/5YvWWyF2AZHxAs0P
YowPdvjjHPU+HHfR72pVIVntxAUK4t0QMC\\n
AwEAAaNjMGEwHQYDVR0OBBYEFLz4m09pNCMIp
5IohqvsDoI+oIkWMB8GA1UdIwQY\\nMBaAFLz
4m09pNCMIp5IohqvsDoI+oIkWMA8GA1UdEwEB
/wQFMAMBAf8wDgYDVR0P\\nAQH/BAQDAgGGMA
0GCSqGSIb3DQEBCwUAA4IBAQCCOku6XDT9Eew
rQyDp/XGa+dsM\\nPnBukiBsPO+Sm30Bgw2fD
zk4qdmKsI/JGvWfrI631afZWtmCADetI32vNI
1/dcSq\\ntANg3bac+F7Z0VIkVynSzAIewNkd
ylh+18MlQ719ah9GKMe5cHAUoM8/lfhDEkFH\
\njKI5XYMEwOeiZIREX8XDJ5eIZTAKui2LQPu
DjUwnzQBF0mGNl2FufimwwBfOx47N\\nLlL+5
AlHK396NNOydyWTyeEYn357Krp1UTweomvQU5
5xu4TbYoYVuAfzwy/6IEq0\\nP9bsqrn1FYUC
8gWrjArwD6cRt1jn7/fmUnh/nJ7HEJDYpN8s0
giQjEaCl9rN\\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\",\"latestPatchVersi
on\":\"8.2.0-
16285347\",\"configureAffinitySeparat
eAll\":\"true\",\"deployOption\":\"sm
all\",\"license-
1\":\"{\\\"alias\\\":\\\"vROPS-vrops-
H109R-XXXX-
2EUMY\\\",\\\"key\\\":\\\"H109R-
40391-M828D-0PARH-
2EUMY\\\",\\\"description\\\":\\\"VMw
are vRealize Suite 2018
Enterprise\\\",\\\"quantity\\\":10,\\
\"unit\\\":\\\"plu\\\",\\\"type\\\":\
\\"vRealizeSuite\\\",\\\"account\\\":
null,\\\"expiry\\\":0,\\\"status\\\":
\\\"ACTIVE\\\",\\\"onPremAllocation\\
\":null,\\\"startDate\\\":null,\\\"en
dDate\\\":null,\\\"casId\\\":null,\\\
"lintId\\\":null,\\\"falconId\\\":nul
l,\\\"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}\",\"licenseV

		mid\":\"3b2da3c2-551b-4c5d-b2eb-46dd4b16e525\"}}]}",
		  "dataCenterVmid": "768be52e-09b8-4ec9-a8b2-4510c236fdd3",
		  "dataCenterName": null
		}	

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,\"logHistory\":null,\"environmentStatus\":null,\"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\",\"folderName\":null,\"gateway\":\"10.196.187.253\",\"searchpath\":\"sqa.local\",\"netmask\":\"255.255.255.0\",\"__vMoid\":\"vm-27422\"}}],\"properties\":{\"__isInstallerRequest\":\"false\",\"__enableTe

nancy\":\"false\",\"defaultConfigurat
ionUsername\":\"configadmin\",\"isClu
stered\":\"false\",\"certificateChain
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qGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\\nKnZS
ZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ
2VyIExvY2tlciBDQTEPMA0G\\nA1UECgwGVk1
3YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA1MDYx
MDEyNTZaFw0yMjA1\\nMDYxMDEyNTZaMGkxEj
AQBgNVBAMMCXNxYS5sb2NhbDENMAsGA1UECww
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th\\ncm5hdGFrYTELMAkGA1UEBhMCSU4wggEi
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r26/BB+lq0P0SeiRdTlorR3nf\\nJ/RgZUUpx
g+mFrgwWnbsfiXr7OklwCHbSyrZpwIlCMJ/lK
+I97rkkWKL66fTrojz\\nfKurQtWbimiEoAsL
x0oWMFRl4n52N5G7P1InS57BNectzheuU+31e
9xq6+Sgc6aB\\n4tsV8PrimX+yoaVrclJfqa9
P2UdWhRwtfDMZ6LDf7ZOMtI1Af2Ho7KKNOG1t
noyh\\nII90P1KPoBLH3pZujrR/3uMuxzNidE
D8nIy659A2jGyYkS03JN6mBjcYrYFBhe6P\\n
KiTH288PUqK5IJJPg9ZlzZKreJHxAgMBAAGjg
ZswgZgwHQYDVR0OBBYEFO1eLmfZ\\nT+R8Nda
UzMNM8gdyh/RPMB8GA1UdIwQYMBaAFA78sVbb
lKCPVHbEadopppTTWcmV\\nMBYGA1UdEQQPMA
2CCyouc3FhLmxvY2FsMA4GA1UdDwEB/wQEAwI
FoDAgBgNVHSUB\\nAf8EFjAUBggrBgEFBQcDA
gYIKwYBBQUHAwEwDAYDVR0TAQH/BAIwADANBg
kqhkiG\\n9w0BAQsFAAOCAQEAdJhVYXaop1Ti
HtH246pDNA7sfcJWJr5SoA5zLEsy+lU9CaN1\
\nLdw/PtqbUM0E7lxj1MQpMEpD4iL2uimAi9r
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ZOHOYGABonRlJhoLGWNmXLlrh8AVtVG2Hxp4M
58ulEijHbEEQop4TmkoMJj\\nsBeJmjvF+tZD
p81LuoGbPak2goQLdUIAdS8+ja4dLDQLBIOnN
MvVa9TSTctEHQDf\\nTvTiJdQijlPTtJBhUww
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pzVkPoNQ\\nhb95oiGDM4ql5uEd9Dh1qm76T8
pgYmeUzYpaZA==\\n-----END
CERTIFICATE-----\\n-----BEGIN
CERTIFICATE-----
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qGSIb3DQEBCwUAMFMxMzAxBgNVBAMM\\nKnZS
ZWFsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ
2VyIExvY2tlciBDQTEPMA0G\\nA1UECgwGVk1
3YXJlMQswCQYDVQQGEwJJTjAeFw0yMDA1MDYw
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/e/3H+KExMzWslL3dLZ1EF2s8\\n87nX7WNAm
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psK0bQCFCvEqj7ripw\\n5CiePXJbBWvm3uIm
6C2/A83OHE3K8b2M+sDKCNUh+jn2IJxRfyXPB
bJB5dk99SFV\\nC47ZgtFbhUZf6/LulSxJgQA
C4wNwrKMtMqctU26oOn0P647pmxnKzKtev7nN
RkMw\\nU7PUOC0MlgEh8xcw6/odFIvYpz2n/S
U0JOljohc9SLgdI7Rt+1Ug1OJK2VSD3pUC\\n
AwEAAaNjMGEwHQYDVR0OBBYEFA78sVbblKCPV
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8sVbblKCPVHbEadopppTTWcmVMA8GA1UdEwEB
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0GCSqGSIb3DQEBCwUAA4IBAQBlWaHg6XJOQmj
WtAGcrWLgg6lC\\nD+n1WagYm3RcWPt60C3Tv
w2L7TLdZ6KCzFz4zO819odopmnbMTbtRkhFcg
J4/0vW\\nYn0bqGxO8H+8BhSyn96lqIlhYDwa
aRzEt55Rl23FgKl8Iw2cJEryR0gbHgyvhWpY\
\n9cX5rLWBT2KFKVwn+6c3sLX6gmKxP+Gi6ie
PopvguJdEufOTQjmZ4NfxLsW8S9p2\\n5hrLY
5kU7DC74BE+JNY80O1dxtz/Qr4+16Xq/pbz/j
vU6ti1P6JohKTmTMnBtQBc\\nET4isPjqmvC7
+0G3h9HcnnXw01oI+asr9a+s/MYuTjR1K8wXd
MQLl3+0FObQ\\n-----END CERTIFICATE---
--
\\n\",\"__isTenantByPath\":\"false\",
\"vidmAdminPassword\":\"locker:passwo
rd:314c2f02-27a7-4d94-b178-
e0dda61e4c88:VMware-Default-
Password\",\"defaultConfigurationPass
word\":\"locker:password:314c2f02-
27a7-4d94-b178-e0dda61e4c88:VMware-
Default-
Password\",\"vidmDomainName\":\"sqa.l
ocal\",\"__isMigrationRequest\":\"fal
se\",\"syncGroupMembers\":\"true\",\"
adminEmail\":null,\"vidmOAuthServiceC
lientId\":\"Service__OAuth2Client\",\
"vidmOAuthServiceClientSecret\":\"wrx
Xl5RMGYnrhyRk0EE9tiI5upiebQBn\",\"__i
sTenancyEnabled\":\"false\",\"vidmDBT
ype\":\"postgresql\",\"__vidmIsExtern
alDB\":\"false\",\"__vidmHasExternalC
onnectors\":\"false\",\"__vidmFormFac
tor\":\"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",
			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 :
			"timeSyncMode": "ntp",
			"ntp": "ntp1.eng.vmware.com"
			For setting hostTime as time sync mode:
			"timeSyncMode": "host"
			Deployment Type : (master , replica(HA) , data)

		"properties": {
		"licenseRef": "locker:license:eab62-bc21-643cf0b9cafa:license",
		"certificate": "locker:certificate:f4e98b983:vmware",
		"productPassword": "locker:password:d21-d9de2c10:VRSLCM!4",
		"disableTls": "",
		"timeSyncMode": "ntp",
		"masterVidmEnabled": false,
		"ntp": "ntp1.eng.vmware.com",
		"affinityRule": false,
		"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",
			Extra Small :
			"deployOption": "xsmall"
			
			Small :
			"deployOption": "small"
			
			Large :
			"deployOption": "large"
			
			Extra large :
			"deployOption": "xlarge"
			
			Deployment Type : (remote collector)
			
			"deployOption": "smallrc",
			
			"deployOption": "largerc"
			
			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:

		"vcUsername": "vCenterUser@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",
		"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",
			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.
			
			vROPs replica node deployment is High 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

		"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:VRSLCM!4",
		"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": [
		{
		"id": "vrli",
		"version": "8.0.0",
		"properties": {
		"certificate": "locker:certificate:49b8f38fd2bdf35b0a:vm",
		"productPassword": "locker:password:811-c6032ee9c5bb:VRSLCM!4",
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			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 mode:
			
			"timeSyncMode": "host"
			
			Deployment Type :
			
			Small : "nodeSize" : "small"
			
			Large : "nodeSize" : "large"

		"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",
			Medium : "nodeSize" : "medium"
			
			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

		"ip": "10.196.57.69"
		}
		},
		{
		"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": "vCenterUser@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",
			request payload for the 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 :
			
			"timeSyncMode": "ntp",
			
			"ntp": "ntp1.eng.vmware.com"
			
			For setting hostTime as time sync mode:
			
			"timeSyncMode": "host"
			
			Locker Items:

		"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"
		}
		},
		"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",
			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 7.x
			
			DiskMode :-

		"ip": "5.5.5.5"
		}
		}
		]
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"5fcv194a-6e1f-4772-a97d-af300ad5086c"
		}
		vRA 7.x
		Request parameter : environmentId : "d1fb0d2f-d0d8-471d-b791-b37ec13abe9c"
		Request Body : "environmentRequestDTO"
		
		{
		"environmentName": "vra_deployment",
		"environmentHealth": null,
		"logHistory": null,
		"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:1a72b0:kar-LCM-VC2-Import-vCenter",
		"acceptEULA": "true",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb92ee9c5bb:VRSLCM!4",
		"certificate": "locker:certificate:49b-43b2-98ba-c1d2bdf35b0a:vm",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
			Thin Deployments - "diskMode": "thin"
			
			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 mode:
			
			"timeSyncMode": "host"
			
			Locker Items:
			
			Locker items such as password, certificates, licenses should be created. Refer section 3 for Locker related APIs.

		"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": "7.6.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": [
		{
		"type": "iaas-manager",
		"properties": {
		"hostName": "sqa.local"
		}
		},
		{
		"type": "vra-va",
		"properties": {
		"hostName": "sqa.local"
		}
		},
		{
		"type": "iaas-web",
		"properties": {
		"hostName": "sqa.local"
		}
		}
		]
		},
		"nodes": [
		{
		"type": "vra-server-primary",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
			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
			
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			Thick Deployments - "diskMode": "thick"
			
			Deployment Type : (Standard, Cluster)

		"vmName": "vra-server-primary",
		"hostName": "lcm-57-73.sqa.local",
		"ip": "10.196.57.73"
		}
		},
		{
		"type": "db",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"ip": "10.196.57.72",
		"vmName": "db",
		"hostName": "lcm-57-72.sqa.local"
		}
		},
		{
		"type": "iaas-web",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"vmName": "iaas-web",
		"hostName": "lcm-57-71.sqa.local",
		"ip": "10.196.57.71"
		}
		},
		{
		"type": "iaas-manager-active",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"vmName": "iaas-manager-active",
		"hostName": "lcm-57-70.sqa.local",
		"ip": "10.196.57.70"
		}
		},
		{
		"type": "iaas-dem-worker",
		"nodeSnapshot": {
		"snapshotNmae": null,
			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

		"snapshotWithMemory": false
		},
		"properties": {
		"hostName": "lcm-57-69.sqa.local",
		"vmName": "iaas-dem-worker",
		"ip": "10.196.57.69"
		}
		},
		{
		"type": "proxy-agent-vsphere",
		"nodeSnapshot": {
		"snapshotNmae": null,
		"snapshotWithMemory": false
		},
		"properties": {
		"hostName": "lcm-57-68.sqa.local",
		"vmName": "proxy-agent-vsphere",
		"ip": "10.196.57.68",
		"vsphereEndpointName": ""
		}
		}
		],
		"properties": {
		"windowsUserName": "sqa\\windowsusername",
		"cafeCertificate": "locker:certificate:49b43b2-98ba-c1d2bdf35b0a:vm",
		"msCertificate": "locker:certificate:49b8f38fba-c1d2bdf35b0a:vm",
		"webCertificate": "locker:certificate:49b8f38f-28ba-c1d2bdf35b0a:vm",
		"useComponentCertificate": "true",
		"certificate": "",
		"productPassword": "locker:password:81f9c5bb:VRSLCM!4",
		"licenseRef": "locker:license:bcd5143c2:dfsf",
		"windowsPassword": "locker:password:81fb36e9c5bb:VRSLCM!4",
		"masterVidmEnabled": "false",
		"timeSyncMode": "host",
		"ntp": "",
		"configureWindowVM": "false",
		"affinityRule": "false",
			DiskMode :-
			
			Thin Deployments - "diskMode": "thin"
			
			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 mode: NA
			
			Deployment Type : (platform)
			
			Standard : "deployOption": "medium/large/extra-large"
			
			Cluster : "deployOption": "large/extra-large"

		"configureAffinitySeparateAll": "true",
		"configureClusterVIP": "true",
		"installInitialContent": "true"
		}
		}
		]
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-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",
		"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:VRSLCM!4",
		"certificate": "locker:certificate:49b8ff35b0a:vm",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "thin",
			Deployment Type : (collector)
			
			Standard : "deployOption": "medium/large/extra-large"
			
			Cluster : "deployOption": "medium/large/extra-large"
			
			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>

		"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:VRSLCM!4",
		"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": {
		"vmName": "vrava-secondary",
		"hostName": "lcm-57-69.sqa.local",
		"ip": "10.196.57.69"
		}
		},
		{
		"type": "vrava-secondary",
		"properties": {
			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:

		"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:VRSLCM!4",
		"certificate": "locker:certificate:49b8f38f-2bdf35b0a:vm",
		"cluster": "Datacenter#Cluster-01",
		"storage": "ISCSI-15TB-04",
		"folderName": "",
		"resourcePool": "",
			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, 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:

		"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:VRSLCM!4",
		"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"
			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 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:

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

		"products": [
		{
		"id": "vrops",
		"version": "8.0.1",
		"properties": {
		"vropsMasterNodeIP": "10.196.57.68",
		
		"vCenterList":"[{\"vCenterHost\":\"lcm-vc1.sqa.local\",\"vcUsername\":\"autouser@vsphere.local\",\"vcPassword\":\"locker:password:71df6f8a-4ff4-4be7-9aeb-bf325b12eaa7:lcm-vc1.sqa.local\"}]",
		"vropsAdminPassword": "locker:password:81fb3628-bdad-c6032ee9c5bb:VRSLCM!4",
		"rootPassword": "locker:password:1fb3628-bdad-41d9-af91-c5bb:VRSLCM!4",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"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": "",
			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:

		"vcPassword": "",
		"acceptEULA": "false",
		"enableTelemetry": "true",
		"adminEmail": "rvishnuvardh@vmware.com",
		"defaultPassword": "locker:password:81fb3628-c6032ee9c5bb:VRSLCM!4",
		"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",
		"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:VRSLCM!4",
		"rootPassword": "locker:password:81fb3628-bdad-49c5bb:VRSLCM!4",
		"isImport": "true"
		},
		"clusterVIP": {
		"clusterVips": []
		},
		"nodes": []
		}
		]
		}
			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:

		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:VRSLCM!4",
		"certificate": "",
		"cluster": "",
		"storage": "",
		"folderName": "",
		"resourcePool": "",
		"diskMode": "",
		"network": "",
		"masterVidmEnabled": "false",
		"dns": "",
		"domain": "",
		"gateway": "",
		"netmask": "",
		"searchpath": "",
		"timeSyncMode": "host",
		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrbc",
		"version": "7.6.0",
			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.

		"properties": {
		"vrbCafeHost": "",
		"vrbHostName": "lcm-57.sqa.local",
		"vrbRootPassword": "locker:password:81fb3628032ee9c5bb:VRSLCM!4",
		
		"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": "",
      "vcPassword": "",
      "acceptEULA": "false",
      "enableTelemetry": "true",
      "adminEmail":
"rvishnuvardh@vmware.com",
      "defaultPassword":
"locker:password:81fb3628-
32ee9c5bb:VRSLCM!4",
      "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:VRSLCM!4",
        "vraImportVersion": "7.6.0",
        "cafeHostNamePrimary": "lcm-
57.sqa.local",
        "cafeRootPasswordPrimary":
"locker:password:81fb3628-bdad-41d9-
bb:VRSLCM!4",
        "windowsUserName":
"DOMAIN\\USERNAME",
        "tenantName":
"vsphere.local",
        "tenantUserName":
"configadmin",
        "tenantUserPassword":
"locker:password:81fb36-
c6032ee9c5bb:VRSLCM!4",
        "vraAdminPassword":
"locker:password:81fb3628-91-
c6032ee9c5bb:VRSLCM!4",
        "vCenterList":
"[{\"vCenterHost\":\"lcm-
```

vc1.sqa.local\",\"vcUsername\":\"auto
user@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"
}

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:VRS
LCM!4",
      "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:VRSLCM!4",
        "vCenterList":
"[{\"vCenterHost\":\"lcm-
vc1.sqa.local\",\"vcUsername\":\"auto
user@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"
}
```


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:VRSLCM!4",
      "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":"[{\"vCenterHost\":\"lc
m-
vc1.sqa.local\",\"vcUsername\":\"auto
user@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"
		}	

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:VRSLCM!4200",
		"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",
			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>
			
			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.

		"ntp": "",
		"isDhcp": "false"
		}
		},
		"products": [
		{
		"id": "vrops",
		"version": "7.5.0",
		"patchHistory": null,
		"snapshotHistory": null,
		"logHistory": null,
		"clusterVIP": {
		"clusterVips": []
		},
		"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:VRSLCM!4200",
		"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
			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:
			
			`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

		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",
		  "enableTelemetry": "true",
		  "adminEmail": "rvishnuvardh@vmware.com",
		  "defaultPassword": "locker:password:a1bd4-c474484f2d36:VRSLCM!4200",
		  "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": [
		  {
			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 7.x

		"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",
		"ip": "10.196.57.68",
		"rootPassword": "locker:password:a1bbc3-b2d4-c474484f2d36:VRSLCM!4200",
		"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": "",
			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

		"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:VRSLCM!4200",
		"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
		
		Request Body :
			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

		{
		"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:VRSLCM!4200",
		"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": []
			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

		`},`
		`"nodes": [`
		`{`
		`"type": "vrb-collector",`
		`"properties": {`
		`"vmName": "vrb-collector",`
		`"hostName": "sqa.local",`
		`"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:VRSLCM!4200",`
		`"__vrbServerRootPassword": "locker:password:a16:VRSLCM!4200",`
		`"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:VRSLCM!4200",`
		`"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",`
			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.

```
            "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:VRSLCM!4200",
        "licenseRef":
"locker:license:24228154-7de8-4953-
ba80-c07dc11bd6f1:vrbc4",
        "currency": "AED - UAE
Dirham",
        "timeSyncMode": "host",
        "masterVidmEnabled": false,
        "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:VRSLCM!4200",
      "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": "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:VRSLCM!4200",
            "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",
            "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"
          }
        },
        {
          "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"
          }
        }
      ],
      "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:VRSLCM!4200",
        "licenseRef":
"locker:license:24228154-7de8-4953-
ba80-c07dc11bd6f1:vrbc4",
        "windowsPassword":
"locker:password:a1bb8853-8ab2-4ac3-
b2d4-c474484f2d36:VRSLCM!4200",
        "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",
		  "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"
          }
        },
        {
          "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
		
		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": "vCenterUser@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":
"vCenterUser@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":
"vCenterUser@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:VMwa
re-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":
"vCenterUser@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":
"vCenterUser@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":
"vCenterUser@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":
"vCenterUser@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:VRSLCM!4200",	

```
      "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":
"vRSLCMuser@local",
            "license": null,
            "consolePassword":
"locker:password:a1bb-
c474484f2d36:VRSLCM!4200",
            "supportPassword":
"locker:password:a1d4-
c474484f2d36:VRSLCM!4200",
            "vrniPlatformPassword":
"locker:password:a1c474484f2d36:VRSLC
M!4200",
            "supportUserName":
"support",
            "licenseRef":
"locker:license:eab643cf0b9cafa:licen
se",
            "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:VRSLCM!4200",
            "consolePassword":
"locker:password:a1bb83-b2d4-
c474484f2d36:VRSLCM!4200",
            "disabled": "true"
          }
        }
      ],
      "properties": {
        "certificate":
"locker:certificate:f4ed-8021-
32f0e625d983:vmware",
        "productPassword":
"locker:password:a1b2d4-
c474484f2d36:VRSLCM!4200",
        "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:VRSLCM!4",
		"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":
"vCenterUser@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:VRSLCM!4",
        "certificateChain": "-----
BEGIN CERTIFICATE-----
\nMIID2zCCAsOgAwIBAgIGAXLG7BqTMA0GCSq
GSIb3DQEBCwUAMFMxMzAxBgNVBAMM\nKnZSZW
FsaXplIFN1aXRlIExpZmVjeWNsZSBNYW5hZ2V
yIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YX
JlMQswCQYDVQQGEwJJTjAeFw0yMDA2MTgxMDE
0MjFaFw0yMjA2\nMTgxMDE0MjFaMGwxFTATBg
NVBAMMDGNlcnRpZmljYXRlMTENMAsGA1UECww
EQ01C\nVTEPMA0GA1UECgwGdm13YXJlMRIwEA
YDVQQHDAlCYW5nYWxvcmUxEjAQBgNVBAgM\nC
Uthcm5hdGFrYTELMAkGA1UEBhMCSU4wggEiMA
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----END CERTIFICATE-----\n-----BEGIN
CERTIFICATE-----
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Yn357Krp1UTweomvQU55xu4TbYoYVuAfzwy/6
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        "__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"
}

Generate locker reference for an Environment	POST	/lcm/lcops/api/v2/environments/locker-references
		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": "VRSLCM!4",
		"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":
"vCenterUser@vsphere.local",
            "domain": "sqa.local",
            "folderName": "",
            "vcPassword":
"VRSLCMpwd",
            "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":
"VRSLCM!4",
```

"certificateChain": "-----
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yIExvY2tlciBDQTEPMA0G\nA1UECgwGVk13YX
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0D+sKFYHHxmFNZHzbK\nHLPlKfz1sWQsdiq0a
/rpfXlAN9rXijp+g9LScK41I9qyzISHIxAd0b
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LlTb\nCHXQYWjVgyE7hnla3la/1d8Ka2f141W
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BiYykX1St1g3Zt6VW2VFzpreS\njd1K48+fFm
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----END CERTIFICATE-----\n-----BEGIN
CERTIFICATE-----
\nMIIDiTCCAnGgAwIBAgIGAXLG2Cr8MA0GCSq
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        "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 :
{
  "environmentId": "0de52c3d-676e-
4a20-a64e-ca104c4c3403",
  "environmentName": "vropsimport",
  "environmentHealth": null,
  "logHistory": null,
  "environmentStatus": null,
  "infrastructure": {
    "properties": {

```
      "cluster": "",
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      "storage": "",
      "ntp": "",
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      "network": "",
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      "netmask": "",
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      "vcUsername": "",
      "domain": "",
      "enableTelemetry": "true",
      "folderName": "",
      "acceptEULA": "false",
      "vcPassword": "",
      "gateway": "",
      "searchpath": "",
      "defaultPassword":
"locker:password:6f66e0ba-a112-41c5-
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Infrastructure-defaultPassword",
      "resourcePool": ""
    }
  },
  "products": [
    {
      "id": "vrops",
      "version": "8.2.0",
      "patchHistory": "",
      "snapshotHistory": "[ {\n
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\"snapshotGeneratedTime\" :
1596774817746,\n  \"snapshotName\" :
\"snapshot2 - Fri Aug 07 04:31:34 UTC
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      "logHistory": "",
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        "clusterVips": []
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      "nodes": [
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          "type": "master",
          "properties": {
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            "cluster": "LCM-DC#LCM-
Cluster-01",
```

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            "vmName": "kbolaj-vidm-
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            "ip": "10.198.34.241",
            "dns":
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            "diskMode": "thin",
            "timeZone": "",
            "vCenterHost": "lcm-
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            "storage": "FC-5TB-new",
            "ntp": "",
            "extendedStorage": "",
            "network": "infra-
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            "contentLibraryItemId":
"",
            "netmask":
"255.255.254.0",
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            "domain": "sqa.local",
            "folderName": "",
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a2a6-4c4a6b2d27df:BLR-vropsimport-
vrops--master-vcPassword",
            "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:731d0909-495e-44cd-
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        "certificateChain": "-----
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CERTIFICATE-----
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UECgwGVk13YXJlMQswCQYDVQQGEwJJTjCC\nA
SIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCgg
EBAI+pvkX8muVzNNpYwjt+1iP8\nPUPkShX53
OPEEvU5ey/oBtJfVcvWWS57mHaSVARHspwEHq
pRjpFETMCHwdsikDxB\ngIAYj12CDxDtPmGK3
6z63pM8oLJo5MxbYRVHjdp4LAINpIwcrZkZvm
KBM2dWBjOB\nRHDPbINkcDk540fVxxeGjr7CZ
vOrkV8WYYKKG/F3q+ez9N6AdYffLszKRYqHVI
nD\ngHC/BsDe0BEPu03IFPnkRunl6o2+BoVQ7

		Fg6hzP23he9IF0fGY8ispJ4O8j/a4tI\nk7+I sOAVMXRSr/5YvWWyF2AZHxAs0PYowPdvjjHPU +HHfR72pVIVntxAUK4t0QMC\nAwEAAaNjMGEw HQYDVR0OBBYEFLz4m09pNCMIp5IohqvsDoI+o IkWMB8GA1UdIwQY\nMBaAFLz4m09pNCMIp5Io hqvsDoI+oIkWMA8GA1UdEwEB/wQFMAMBAf8wD gYDVR0P\nAQH/BAQDAgGGMA0GCSqGSIb3DQEB CwUAA4IBAQCCOku6XDT9EewrQyDp/XGa+dsM\ nPnBukiBsPO+Sm30Bgw2fDzk4qdmKsI/JGvWf rI631afZWtmCADetI32vNI1/dcSq\ntANg3ba c+F7Z0VIkVynSzAIewNkdylh+18MlQ719ah9G KMe5cHAUoM8/lfhDEkFH\njKI5XYMEwOeiZIR EX8XDJ5eIZTAKui2LQPuDjUwnzQBF0mGNl2Fu fimwwBfOx47N\nLlL+5AlHK396NNOydyWTyeE Yn357Krp1UTweomvQU55xu4TbYoYVuAfzwy/6 IEq0\nP9bsqrn1FYUC8gWrjArwD6cRt1jn7/f mUnh/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" } }] }	

Deployed Product Operation APIs

Name	HTTP Method	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:VRSLCMpwd",
		"cpuCount": "2",
		"rootPassword": "locker:password:c3b1c44d-4974-415a-a695-d63476e90ede:VRSLCM!4",
		"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": "vCenterUser@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",
      "properties": {
        "hostName": "lcm-34-
242.sqa.local",
        "cluster": "LCM-Cluster-01",
        "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":
"vCenterUser@vsphere.local",
        "folderName": null,
        "gateway": "10.198.35.253",
        "searchpath": "sqa.local",
        "deployOption": null,
        "netmask": null,
        "__vMoid": "vm-78152"
      }
    }
  ],
  "properties": {
    "masterVidmHostname": null,
```

```
    "vropsAdminPassword":
"locker:password:c3b1c44d-4974-415a-
a695-d63476e90ede:VM!",
    "certificateChain": "-----BEGIN
CERTIFICATE-----
\nMIID2zCCAsOgAwIBAgIGAXLG7BqTMA0GCSqGSI
b3DQEBCwUAMFMxMzAxBgNVBAMM\nKnZSZWFsaXpl
IFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tl
ciBDQTEPMA0G\nA1UECgwGVk13YXJlMQswCQYDVQ
QGEwJJTjAeFw0yMDA2MTgxMDE0MjFaFw0yMjA2\n
MTgxMDE0MjFaMGwxFTATBgNVBAMMDGNlcnRpZmlj
YXRlMTENMAsGA1UECwwEQ01C\nVTEPMA0GA1UECg
wGdm13YXJlMRIwEAYDVQQHDAlCYW5nYWxvcmUxEj
AQBgNVBAgM\nCUthcm5hdGFrYTELMAkGA1UEBhMC
SU4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAw\ngg
EKAoIBAQCZVfRxzv8hkYZCD+L0QDn/GHdi6jd4x4
yjfm0D+sKFYHHxmFNZHzbK\nHLPlKfz1sWQsdiq0
a/rpfXlAN9rXijp+g9LScK41I9qyzISHIxAd0bIh
6tK6VjiV\nDjqL6CqijK5O15hGYR3+DFInFjKPwy
USPlh8SVcTM4O6et4lU+DNp5jsodjJxtIb\nX3ON
pZvlYUz472eqwTggiUqf/Wx25ruwupiqTXzkai4r
UQ2lWI1h4Zx1oF4EyCLm\nPY3NlF9YEdlowmBREm
jocwWBA4D+oz91rSzYjUL6crtNz6pXXoUdjKjfKs
oWavGu\n6gZF3I4P6sCSVJCAa+jvEgyHugL9APjj
AgMBAAGjgZswgZgwHQYDVR0OBBYEFM+m\nS6avFO
aIakM6q3BAbmySelvtMB8GA1UdIwQYMBaAFLz4m0
9pNCMIp5IohqvsDoI+\noIkWMBYGA1UdEQQPMA2C
Cyouc3FhLmxvY2FsMA4GA1UdDwEB/wQEAwIFoDAg
BgNV\nHSUBAf8EFjAUBggrBgEFBQcDAgYIKwYBBQ
UHAwEwDAYDVR0TAQH/BAIwADANBgkq\nhkiG9w0B
AQsFAAOCAQEAKUWGEnqq3xtXtEq0WuZ4vlQA3XKP
LHtb89z6uUh1bq0+\nL/aKzeL5LIaR77kVq8oiVx
lkaMmNvHtiW+NxoNpkEbs1iR0eW3URhdve0ZZDY/
pd\n4ouuF0pYyUAb2nQLuK/bsV8V99r1MecERoCn
ZBYW+hLWGzKGl95fEFE6UeuWLlTb\nCHXQYWjVgy
E7hnla3la/1d8Ka2f14lW37pi7d5Yqqu4V2+Im8G
dsjTLWCGPPc7v+\nqQqMqzXhE8hF+xJ8Dd7s0v2D
uF5K7WdkG6gF7t1BiYykX1St1g3Zt6VW2VFzpreS
\njd1K48+fFmf5NTQYe3WoC+Meu4e0KzdrzNJG/8
YT0A==\n-----END CERTIFICATE-----\n-----
BEGIN CERTIFICATE-----
\nMIIDiTCCAnGgAwIBAgIGAXLG2Cr8MA0GCSqGSI
b3DQEBCwUAMFMxMzAxBgNVBAMM\nKnZSZWFsaXpl
IFN1aXRlIExpZmVjeWNsZSBNYW5hZ2VyIExvY2tl
ciBDQTEPMA0G\nA1UECgwGVk13YXJlMQswCQYDVQ
QGEwJJTjAeFw0yMDA2MTgwOTUyMzVaFw0zMDA2\n
MTYwOTUyMzVaMFMxMzAxBgNVBAMMKnZSZWFsaXpl
IFN1aXRlIExpZmVjeWNsZSBN\nYW5hZ2VyIExvY2
tlciBDQTEPMA0GA1UECgwGVk13YXJlMQswCQYDVQ
QGEwJJTjCC\nASIwDQYJKoZIhvcNAQEBBQADggEP
ADCCAQoCggEBAI+pvkX8muVzNNpYwjt+1iP8\nPU
PkShX53OPEEvU5ey/oBtJfVcvWWS57mHaSVARHsp
wEHqpRjpFETMCHwdsikDxB\ngIAYj12CDxDtPmGK
36z63pM8oLJo5MxbYRVHjdp4LAINpIwcrZkZvmKB
M2dWBjOB\nRHDPbINkcDk540fVxxeGjr7CZvOrkV
8WYYKKG/F3q+ez9N6AdYffLszKRYqHVInD\ngHC/
```

```
BsDe0BEPu03IFPnkRunl6o2+BoVQ7Fg6hzP23he9
IF0fGY8ispJ4O8j/a4tI\nk7+IsOAVMXRSr/5YvW
WyF2AZHxAs0PYowPdvjjHPU+HHfR72pVIVntxAUK
4t0QMC\nAwEAAaNjMGEwHQYDVR0OBBYEFLz4m09p
NCMIp5IohqvsDoI+oIkWMB8GA1UdIwQY\nMBaAFL
z4m09pNCMIp5IohqvsDoI+oIkWMA8GA1UdEwEB/w
QFMAMBAf8wDgYDVR0P\nAQH/BAQDAgGGMA0GCSqG
SIb3DQEBCwUAA4IBAQCCOku6XDT9EewrQyDp/XGa
+dsM\nPnBukiBsPO+Sm30Bgw2fDzk4qdmKsI/JGv
WfrI631afZWtmCADetI32vNI1/dcSq\ntANg3bac
+F7Z0VIkVynSzAIewNkdylh+18MlQ719ah9GKMe5
cHAUoM8/lfhDEkFH\njKI5XYMEwOeiZIREX8XDJ5
eIZTAKui2LQPuDjUwnzQBF0mGNl2FufimwwBfOx4
7N\nLlL+5AlHK396NNOydyWTyeEYn357Krp1UTwe
omvQU55xu4TbYoYVuAfzwy/6IEq0\nP9bsqrn1FY
UC8gWrjArwD6cRt1jn7/fmUnh/nJ7HEJDYpN8s0g
iQjEaCl9rN\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\",\"accou
nt\":null,\"expiry\":0,\"status\":\"ACTI
VE\",\"onPremAllocation\":null,\"startDa
te\":null,\"endDate\":null,\"casId\":nul
l,\"lintId\":null,\"falconId\":null,\"pr
oductVersionMap\":{\"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\":fa
lse}",
    "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
		productId : vrops
		
		Request body :
		{
		"deleteFromVcenter": true,
		"deleteWindowsVMs": true,
		"standalone": true
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

Update Product Admin Password	PUT	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/admin-password
		Request parameter :
		environmentId : 9c88ba3d-23c9-4b6c-8c45-f4338fb0a073
		productId : vrops
		
		Request body :
		"updateAdminPasswordRequestDTO"
		{
		"adminPassword": "vrslcm!200",
		"currentAdminPassword": "vrslcm!"
		}
		
		Response code : 200 OK
		Response Body :
		{
		"requestId":"1dac194a-6e1f-4772-a97d-af300ad5086c"
		}	

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"
		}
			Here "nodeType" may vary as "switch", "nsx", "nsxt", "vc", "ciscoucs", etc.

nsx type

```
Request parameters :
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": "vCenterUser@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": "vRSLCMuser@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": "vRSLCMuser@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.

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"
		}	

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
		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"
		}	

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
		}
		]	

Create a Product Snapshot request	POST	/lcm/lcops/api/v2/environments/{environmentId}/products/{productId}/snapshots
		Request parameter :
		environmentId : 0de52c3d-676e-4a20-a64e-ca104c4c3403
		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"
		}	

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\"}}]}}]}",
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    "isCancelEnabled": null,
    "lastUpdatedOn": 1594633229667,
    "createdBy": "vRSLCMuser@local"
  },
  {

```
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    "transactionId": null,
    "requestName":
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    "requestReason": "Get Generic
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    "requestType":
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    "requestSource": null,
    "requestSourceType": "system",
    "inputMap": {
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      "settingsName":
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      "settingsData": null
    },
    "outputMap": {},
    "state": "COMPLETED",
    "executionId": "61274f3c-20cc-
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    "executionPath":
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```

Lcm
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v.v.l.p.l.c.t.GenericLcmSettingTask
\"}}]}}]}",
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    "resultSet": "[{\"vmid\":\"f3ffab41-a6c7-41a5-8572-135c36aef498\",\"transactionId\":null,\"sourceOfTheRequest\":\"61274f3c-20cc-47a1-90ec-130635edb7d1\",\"resultKey\":\"settings\",\"resultType\":\"com.vmware.vrealize.lcm.lcops.common.dto.settings.TelemetryCollectorConfigurationDTO\",\"resultText\":\"{\\\"environmentType\\\":\\\"production\\\",\\\"collectorId\\\":\\\"vrlcm.8_1\\\",\\\"collectorInstanceId\\\":\\\"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": "vRSLCMuser@local"
  }
]

Get Request by ID	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\":[{\"symbo	

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lugin.core.task.GenericLcmSettingTa
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:\"com.vmware.vrealize.lcm.plugin.l
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rties\":{\"displayText\":\"Generic
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l.c.t.GenericLcmSettingTask\"}},{\"
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v.v.l.p.l.c.t.GenericLcmSettingTask
\"}}]}}]}",
  "executionStatus":
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ng-
OnStart\",\"status\":\"PROCESSED\",

\"lastUpdatedOn\":1594633196318,\"sequence\":13,\"currentState\":\"com.vmware.vrealize.lcm.plugin.lcmplugin.core.task.GenericLcmSettingTask\"},{\"eventId\":\"f384bc3b-3b00-4758-b688-e5e5331dbfe1\",\"eventName\":\"OnGenericSettingCompleted\",\"eventTxt\":\"lcmgenricsetting-OnGenericSettingCompleted\",\"status\":\"PROCESSED\",\"lastUpdatedOn\":1594633196729,\"sequence\":14,\"currentState\":\"com.vmware.vrealize.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\",\"lastUpdatedOn\":1594633196720}],\"status\":\"COMPLETED\",\"lastUpdatedOn\":1594633196056}",
  "errorCause": null,
  "resultSet": "[{\"vmid\":\"f3ffab41-a6c7-41a5-8572-135c36aef498\",\"transactionId\":null,\"sourceOfTheRequest\":\"61274f3c-20cc-47a1-90ec-130635edb7d1\",\"resultKey\":\"settings\",\"resultType\":\"com.vmware.vrealize.lcm.lcops.common.dto.settings.TelemetryCollectorConfigurationDTO\",\"resultText\":\"{\\\"environmentType\\\":\\\"production\\\",\\\"collectorId\\\":\\\"vrlcm.8_1\\\",\\\"collectorInstanceId\\\":\\\"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": "vRSLCMuser@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"
		  }
			Request payload can be fetched from API to get Error Causes by a Request ID.

		}] Response code : 200 OK	

Get Error Causes by a Request ID	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"	

		<pre>}
		}
		]</pre>	

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.
				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.

			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_VALIDATION_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.
				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 provide value as "DNS-SERVER1". Else, it will lead to 409 Conflict error as described in the preceding column.

			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_VALIDATION_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 :
			{
			    "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	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.
				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.

			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_VALIDATION_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": []
			}	

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": "VRSLCMpwd",
		"vcUsername": "vCenterUser@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": "VRSLCMpwd",
			
			"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.",
				This API is used to expand the disk size of your vRSLCM VA.

			"recommendations": []
			}
			When vCenter host is blank.
			Sample Request body :
			{
			
			"diskSizeInGb": 10,
			
			"vCenterHost": "",
			
			"vcPassword": "VRSLCMpwd",
			
			"vcUsername": "vCenterUser@vsphere.local"
			}
			
			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": "vCenterUser@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": "VRSLCMpwd",
			
			"vcUsername": "vCenterUser@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
				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 **syncWithHost** as true, setting other two fields as false.
				• If you chose to use NTP server's time, set two fields mentioned above to true and **syncWithHost** to false.

			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",
			
			"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",
			
			"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 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 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": "Myvmwarepwd",
		"userName": "myvmwareaccount@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
				This API is used to add a MyVmware account.

			account password is blank.
			Sample Request body :
			{
			
			"password": "",
			
			"userName": "myvmware@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			  "status": "",
			  "message": "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": "myvmwareaccount@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
				This API is used to Update the **password** for existing MyVmware account username.

			account password is blank.
			Sample Request body :
			{
			
			"password": "",
			
			"userName": "myvmware@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			  "status": "",
			  "message": "MyVmware account 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": "Myvmwarepwd@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	DELETE	/lcm/lcops/api/v2/settings/my-vmware/accounts
		Request body : "myVmwareConfigurationDTO"
		{
		"userName": "myvmwareaccount@vmware.com",
		"password": "Myvmwarepwd!"
		}
		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
				This API is used to delete a MyVMware account by **username**.

			account password is blank.
			Sample Request body :
			{
			
			"password": "",
			
			"userName": "myvmware@vmware.com"
			}
			
			Response Code : 400 Bad Request
			Response body :
			{
			  "status": "",
			  "message": "MyVmware account 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": "Myvmwarepwd@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": []
			}	

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": {},
				This API is used to fetch the details of System disks.

		"diskAvailableForUpgrade" : true }		

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.
				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.

			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_VALIDATION_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.
				This API is used to update NTP server **name** for already existing NTP server.

			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_VALIDATION_API_ERROR0000",
			
			"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	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.
				This API is used to delete NTP server by **hostName**.

			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_VALIDATION_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": []
			}	

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": "vRSLCMuser@local",
		"password": "locker:password:5b9d1a8e-49dc-4137-9f8a-b0c2fbb12fe3:VRSLCM!4",
		
		"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": "VRSLCM!4",
		"port": 0,
		"proxyEnabled": true,
		"proxyEnabledInContentMgmt": true,
		"userName": "vRSLCMuser@local"
		}
		
		Response code : 200 OK
		Response body :
		{
		"proxyEnabled": true,
		"hostName": "10.196.15.121",
		"port": 0,
		"userName": "vRSLCMuser@local",
		"password": "VRSLCM!4",
		"proxyEnabledInContentMgmt": true
		}
			400 - Bad Request
			When Proxy hostname is blank.
			Sample Request body :
			{
			"hostName": "",
			"password": "VRSLCM!4",
			"port": 0,
			"proxyEnabled": true,
			"proxyEnabledInContentMgmt": true,
			"userName": "vRSLCMuser@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
				This API is used to save the Proxy details.

			constraints. ", "recommendations": [] }	

Update Proxy Settings	PUT	/lcm/lcops/api/v2/settings/proxies
		Request body :
		"proxyConfigurationDTO"
		{
		"hostName": "10.196.15.96",
		"password": "VRSLCM!4",
		"port": 0,
		"proxyEnabled": true,
		"proxyEnabledInContentMgmt": true,
		"userName": "vRSLCMuser@local"
		}
		
		Response code : 200 OK
			400 - Bad Request
			When Proxy hostname is blank.
			Sample Request body :
			{
			"hostName": "",
			"password": "VRSLCM!4",
			"port": 0,
			"proxyEnabled": true,
			"proxyEnabledInContentMgmt": true,
			"userName": "vRSLCMuser@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
				This API is used to update the proxy details.

			constraints. ", "recommendations": [] }	

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_
				This API is used to add a SNMP configuration.

			API_ERROR0000",
			
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			When SNMP version is blank.
			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": "",
				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 **maxBufferSize** are **30** and **2000** respectively.

			"message": "LogInsight server hostname cannot be blank.",
			
			"errorCode": "LCM_GENERIC_VALIDATION_API_ERROR0000",
			
			"errorLabel": "Request Payload does not comply with constraints.",
			
			"recommendations": []
			}
			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": []
			}	

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",

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          "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
                }
              ]
            }
```

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          ]
        },
        {
          "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",
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                  "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
                }
              ]
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            }
          ]
        },
        {
          "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",
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                  "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,
			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.",
			
				This API updates vRSLCM FQDN on the Authentication provider which is vIDM.
				
				"lcmCatalogAppName" can hold any customized name and is optional.

		"executionPath": null, "executionStatus": null, "errorCause": null, "resultSet": null, "isCancelEnabled": null, "lastUpdatedOn": 1595911080182, "createdBy": null }	"recommendations": [] }	

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"
			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 before triggering this API.

		}
		]
		},
		{
		"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",
		"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", "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",
			404 - Not Found
			When either userName or Domain is invalid.
			Request parameter :
			username : config
			domain : System Domain
			
			Response Code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "User not found with username : config and domain : System Domain",
			"errorCode": "LCM_AUTHN_USER_API_ERROR0001",
			
			"errorLabel": "User does not exist.",
			
			"recommendations": []
			}
				This API is used to fetch a user by userName and Domain.

		"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", "authorities": "CONTENT_DEVELOPER",		

		"isInternal": false }] }		

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",
			404 - Not Found
			When Principle Name or Domain is invalid.
			Request parameter :
			upn : vRSLCMuser@local
			domain : LCM General
			
			Response code : 404 Not Found
			Response body :
			{
			"status": "",
			"message": "User not found with principal name : vRSLCMuser@local and domain : LCM Local",
			"errorCode": "LCM_AUTHN_USER_API_ERROR0001",
			
			"errorLabel": "User does not exist.",
			
			"recommendations": []
			}
				This API is used to fetch user details by Principal Name and Domain

		"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"
		}
		]
		}		

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",
			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_AUTHN_USER_API_ERROR0001",
			
			"errorLabel": "User does not exist.",
			
			"recommendations": [
			"Please provide valid provider identifier."
			]
			}
				This API is used to get a User by Provider ID.

		"roleDescription": "Content Release Manager" }] }		

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 :
		{
				This API is used to update add a user and assign roles to it.

		"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" }] }		

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",
			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",
			
			"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
			"domain": "System Domain",
			
			"isDisabled": false,
			
			"userPrincipalName": "configadmin_upn",
			
			"userMetadata": {
				This API is used to update roles for a user.

		"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",
		
		"providerIdentifier": "6304f1ed-17e0-4128-b86f-e29c6563e32f",
		"domain": "System Domain",
			"distinguished Name": 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	

		"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"
			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": []	

		},
		{
		"vmid": "722c2945-3b69-4e29-8b32-b3d0d37ee311",
		"roleName": "Content Developer",
		
		"roleDescription": "Content developer"
		}
		]
		}
			}	

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",
			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 not exist.",
			
			"recommendations": []
			}
				This API is used to delete a user roles.

		"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"
		}
		]
		}		

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"
			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.",
			
			"recommendations": [
			"Please provide a valid Principal Name."
			]
			}
				This API is used to get a user by its principal name.

		}, { "vmid": "34fb78e1-43ee-4f36-b71a-c68c58d09b43", "roleName": "Content Release Manager", "roleDescription": "Content Release Manager" }] }		
Update Local User Password	PUT	/lcm/authzn/api/v2/users/update/password Request body : "passwordUpdateRequestDTO" { "password": "VRSLCM!4", "username": "vRSLCMuser@local" } Response code : 200 OK Response body : { "password": "VRSLCM!4", "username": "vRSLCMuser@local" }		This API is used to update the password for vRSLCM local user.

Search Vidm User Group	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:VRSLCM!4",
		"vidmSshPassword": "locker:password:5b9d1a8e-49dc-4137-9f8a-b0c2fbb12fe3:VRSLCM!4",
		
		"vidmOAuthServiceClientId": "Service__OAuth2Client",
		
		"vidmOAuthServiceClientSecret": "HrsPFSBHxSnow8Bsoi74kiSZDOZzYn91",
		"tenancyEnabled": false,
		"clusteredVidm": false,
		"searchString": "v"
		}
		
		Response code : 200 OK
		Response body :
		{
				This API is used to search the users and groups for which roles needs to be assigned.

```
  "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": {

"vidmSearchUserRequest
DTO":
"{\"vidmHost\":\"lcm-
34-
251.sqa.local\",\"vidm
Tenant\":null,\"useSer
viceClient\":false,\"i
sTenantConfiguredByPat
h\":false,\"vidmAdminU
ser\":\"admin\",\"vidm
AdminPassword\":\"lock
er:password:65b3111f-
5512-4915-b68c-
d1c0fde2f86e:VC2-
password\",\"vidmOAuth
ServiceClientId\":\"Se
rvice__OAuth2Client\",
\"vidmOAuthServiceClie
ntSecret\":\"HrsPFSBHx
Snow8Bsoi74kiSZDOZzYn9
1\",\"vidmDomainName\"
:\"sqa.local\",\"baseT
enantHostname\":null,\
"requestId\":null,\"se
archString\":\"v\"}"
  },
  "outputMap": {},
  "state": "CREATED",
  "executionId": null,
  "executionPath":
null,
  "executionStatus":
null,
  "errorCause": null,
  "resultSet": null,
```

		"isCancelEnabled": null, "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

Response code	Description	Response body/template	Details

401	Unauthorized	**Response body**
		{
		"timestamp": "2020-08-10T08:22:38.536+0000",
		"status": 401,
		"error": "Unauthorized",
		"message": "Unauthorized",
		"path": ""
		}
			Here "**path**" is endpoint of that particular API.

400	Bad Request	**Response template**
		{
		"errorCode": "string",
		"errorLabel": "string",
		"message": "string",
		"recommendations": [
		"string"
		],
		"status": "string"
		}
			This is the generic error response body template for all APIs.

403	Forbidden		
404	Not Found		
409	Conflict		
500	Internal Server Error		

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.
	LCM_ENVIRONMENT_API_ERROR0000	Unknown Environment error.

Environment Operation APIs	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 Operation APIs	LCM_CERTIFICATE_API_ERROR0000	Unknown Certificate error.
	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.