



vCloud Usage Meter 3.6

API Reference

July 13, 2017

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1. Using the vCloud Usage Meter API

1.1 About vCloud Usage Meter

VMware vCloud Usage Meter is a tool that monitors, measures, and provides reports on virtual machine resource usage. It provides an easy way for Service Providers and Aggregators to gather and report accurate usage to support VMware Cloud Provider Program billing process. The vCloud Usage Meter is provided as a virtual appliance.

vCloud Usage Meter serves two functions: metering and reporting. Service Providers use the metering part of the tool to collect raw usage data on VMware Cloud Provider Program bundles. Service Providers and/or Aggregators use the reporting part of the tool to generate reports for planning, billing, general account management, dispute resolution, and other purposes.

1.2 Audience

This document assumes that the audience is familiar with the following technologies:

- REST framework and conventions
- XML

Service provider developers are the intended audience of this guide.

1.3 Related Documentation

| Document | Location |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vCloud Usage Meter User's Guide | https://docs.vmware.com/en/vCloud-Usage-Meter/index.html |
| vCloud Usage Meter Release Notes | https://docs.vmware.com/en/vCloud-Usage-Meter/3.6/rn/VMware-vCloud-Usage-Meter-36-Release-Notes.html |
| vCloud Usage Meter Interoperability Matrix | https://www.vmware.com/support/vcloud-usage-meter/doc/vcloud-usage-meter-36-interop.html |
| VMware product documentation | https://docs.vmware.com/ |

The vCloud Usage Meter REST API (exposed over HTTPS) is provided for clients such as portals, scripts, and other programs that are external to vCloud Usage Meter.

1.4 Supported Languages

Any programming language that supports the REST framework supports the vCloud Usage Meter API.

Note: If you are using BASH to execute REST API calls, use single quotes (' ') to escape any special characters.

1.5 Tokens

All vCloud Usage Meter APIs require authentication. Authentication tokens can be generated in two ways:

- Click **Manage** in the *vCloud Usage Meter* UI, then click the **API** tab.
- Use the `umtoken` command from the console.

A curl command to invoke API:

```
curl -v -k -H x-usagemeter-authorization:<Auth-Key> https://<UM-  
IP>:8443/um/api/customers
```

2. vCloud Usage Meter API – Customers

This section summarizes the vCloud Usage Meter API Customer operations.

2.1 Get All Customers

Get an XML representation of all customers.

| Operation | <code>GET /api/customers</code> |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml x-usagemeter-authorization: TOKJ1QDQ03QD1VR1MQN03U2BA1WQR2PY04T |
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <customers> <customer> <id>1</id> <name>test-Customer-1</name> <country>United States</country> <postalCode>94305</postalCode> </customer> <customer> <id>2</id> <name>test-Customer-2-update</name> <country>United States</country> <postalCode>94304</postalCode> </customer> <customer> <id>6</id> <name>test-Customer-3-update</name> <country>United States</country> <postalCode>95129</postalCode> </customer> <customer> <id>5</id> <name>test-get-customer-by-id</name> <country>United States</country> <postalCode>94314</postalCode> </customer> </customers></pre> <p>Note: If no customers exist, the response body is an empty list.</p> <pre><?xml version="1.0" encoding="UTF-8"?> <customers></customers></pre> |
| Success Response | 200 OK |

Note: Customer ID is auto-assigned by vCloud Usage Meter and it is retained.

2.2 Get Customer by ID

Get an XML representation of a specified customer.

| Operation | GET /api/customer/{id} |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml x-usagemeter-authorization: TOKJ1QDQO3QD1VR1MQN03U2BA1WQR2PY04T |
| Sample Response | <?xml version="1.0" encoding="UTF-8"?> <customer> <id>1</id> <name>test-Customer-1</name> <country>United States</country> <postalCode>94304</postalCode> </customer> |
| Success Response | 200 OK |

2.3 Get Customer's Rules

Lists all rules for a specified customer. A customer ID is required for this operation.

| Operation | GET /api/customer/{id}/rules |
|----------------|--------------------------------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml x-usagemeter-authorization: TOKJ1QDQO3QD1VR1MQN03U2BA1WQR2PY04T |

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <?xml version="1.0" encoding="UTF-8"?> <rules> <rule xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>11</id> <vcServerId>1</vcServerId> <customerId>1</customerId> <objectType>VM</objectType> <valueType>Unique ID</valueType> <value>vm-21</value> </rule> <rule xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>12</id> <vcServerId>1</vcServerId> <customerId>1</customerId> <objectType>VM</objectType> <valueType>Unique ID</valueType> <value>vm-33</value> </rule> <rule xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>13</id> <vcServerId>1</vcServerId> <customerId>1</customerId> <objectType>Folder</objectType> <valueType>Unique ID</valueType> <value>folder1</value> </rule> </rules> |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Note: If no rules exist for this customer, the response body is an empty rules list.

```
<?xml version="1.0" encoding="UTF-8"?>
```

| | |
|------------------|-----------------|
| | <rules></rules> |
| Success Response | 200 OK |

2.4 Delete a Customer and Associated Rules

Delete a specified customer and delete rules associated with the customer.

| | |
|------------------|----------------------------------|
| Operation | DELETE /api/customer/{id} |
| Success Response | 204 No Content |

2.5 Create a Customer

Create a customer from an included XML body.

The country must be a valid 2 letter country code. Country code information is available from the ISO Organization, [ISO 3166-1-alpha-2 code](#).

| | |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation | POST /api/customer |
| Body | <customer xmlns="http://www.vmware.com/UM"> <name>Customer Name</name> <country>US</country> <postalCode>90210</postalCode> </customer> |
| Sample Response | <?xml version="1.0" encoding="UTF-8"?> <customer> <id>25</id> <name>Customer Name</name> <country>United States</country> <postalCode>90210</postalCode> </customer> |
| Success Response | 201 Created |

2.6 Update a Customer

Update a specified customer.

| Operation | PUT /api/customer/{id} |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body | <pre><customer xmlns="http://www.vmware.com/UM"> <name>Customer - Added address</name> <country>CA</country> <postalCode>90210</postalCode> </customer></pre> |
| Success response | 200 OK |

3. vCloud Usage Meter API – Rules

This section summarizes vCloud Usage Meter API rules operations.

Also see [Delete a Customer and Associated Rules](#).

3.1 Get Rules

Get an XML representation of all rules.

| Operation | GET /api/rules |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <rules> <rule> <id>42</id> <vcServerId>12</vcServerId> <customerId>24</customerId> <objectType>Resource Pool</objectType> <valueType>Unique ID</valueType> <value>resgroup-59</value> </rule> <rule> <id>43</id> <vcServerId>12</vcServerId> <customerId>24</customerId> <objectType>Resource Pool</objectType> <valueType>Unique ID</valueType> <value>resgroup-62</value> </rule> <rule> <id>44</id> <vcServerId>12</vcServerId> <customerId>24</customerId> <objectType>Resource Pool</objectType> <valueType>Unique ID</valueType> <value>resgroup-64</value> </rule> <rule> <id>45</id> <vcServerId>12</vcServerId> <customerId>24</customerId> <objectType>Resource Pool</objectType> <valueType>Unique ID</valueType> <value>resgroup-66</value> </rule> </pre> |

```
</rule>
</rules>
```

Note: If no content exists, the response body is an empty list.

```
<?xml version="1.0" encoding="UTF-8"?>
<rules></rules>
```

| | |
|------------------|--------|
| Success Response | 200 OK |
|------------------|--------|

3.2 Get Rule

Get an XML representation of a specified rule.

| Operation | GET /api/rule/{id} |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <rule> <id>42</id> <vcServerId>12</vcServerId> <customerId>24</customerId> <objectType>Resource Pool</objectType> <valueType>Unique ID</valueType> <value>resgroup-59</value> </rule></pre> |
| Success Response | 200 OK |

3.3 Delete Rule

Delete a specified rule.

| Operation | DELETE /api/rule/{id} |
|------------------|-----------------------|
| Success Response | 204 No Content |

3.4 Create a Rule

Create a rule from an included XML body.

Customer name and vCenter Server ID are required for this operation. The required field varies depending on `objectType`.

| Operation | POST /api/rule |
|----------------|----------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml x-usagemeter-authorization: <token value> |

Body**Example 1**

```
<rule xmlns="http://www.vmware.com/UM">
  <vcServerId>1</vcServerId>
  <customerName>CustomerTest</customerName>
  <objectType>VM</objectType>
  <valueType>Unique ID</valueType>
  <value>vm-21</value>
</rule>
```

Example 2

```
<rule xmlns="http://www.vmware.com/UM">
  <vcServerId>1</vcServerId>
  <customerName>CustomerTest</customerName>
  <objectType>vCenter Server</objectType>
  <valueType>Unique ID</valueType>
</rule>
```

Sample Response

```
<?xml version="1.0" encoding="UTF-8"?>
<rule
  xmlns="http://www.vmware.com/UM"
  xmlns:tns="http://www.vmware.com/UM"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <id>22</id>
  <vcServerId>1</vcServerId>
  <customerId>17</customerId>
  <objectType>VM</objectType>
  <valueType>Unique ID</valueType>
  <value>vm-21</value>
</rule>
```

Success Response

201 Created

Note: Customer and vCenter Server must pre-exist.

4. vCloud Usage Meter API – Reports

This section summarizes vCloud Usage Meter API Report operations.

4.1 Get Reports

Get an XML description for reports.

Note: Currently vCloud Usage Meter supports the following reports APIs:

- Monthly Usage Units
- Virtual Machines by Product Server
- Virtual Machine History
- Product Configuration Issues
- vCloud Director Summary
- Customer Monthly Usage
- Horizon DaaS Tenants
- Virtual SAN by vCenter Server
- Cluster History

| Operation | GET /api/reports |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <reports> <report> <link method="get" rel="Monthly Usage Units" href="/api/report/5" /> </report><report> <link method="get" rel="Virtual Machines by Product Server" href="/api/report/19" /> </report><report> <link method="get" rel="Virtual Machine History" href="/api/report/21" /> </report><report> <link method="get" rel="Product Configuration Issues" href="/api/report/22" /> </report><report> <link method="get" rel="vCloud Director Summary" href="/api/report/23" /> </report><report> <link method="get" rel="Customer Monthly Usage" href="/api/report/24" /> </report><report> <link method="get" rel="Horizon DaaS Tenants" href="/api/report/26" /> </report><report> <link method="get" rel="Virtual SAN by vCenter Server" href="/api/report/31" /> </report><report> <link method="get" rel="Cluster History" href="/api/report/32" /> </report> </reports></pre> |
| | <p>Note: If no content exists, the response body is an empty list.</p> <pre><?xml version="1.0" encoding="UTF-8"?> <reports></reports></pre> |
| Success Response | 200 OK |

4.2 Get Report

Get a tsv representation of a specified report. Query is required for all specific reports and must follow the following format:

```
/<id>?dateFrom=yyyymm0100&dateTo=yyyymm0100
```

Example:

```
curl -v -k -H x-usagemeter-authorization:TOK4GWBQU1ZX5D15QXAC5UX003EGLUYTNUS -X GET  
'https://10.110.99.224:8443/um/api/report/21?dateFrom=2016100100&dateTo=2016110100'
```

The monthly interval must be exactly one month.

| Operation | GET /api/report/21?dateFrom=2016060100&dateTo=2016070100 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre>#Version: 3.5 #Report Type: Virtual Machines by Product Server #Service Provider: a #Partner ID: 1 #Contract Number: 1 #Site ID: 1 #Contact: a #Email: a@b.com #Phone: a #Start Time: Wed Jun 01 00:00:00 EEST 2016 #End Time: Fri Jul 01 00:00:00 EEST 2016 #Per-VM Memory Cap (GB): 24 #Product Hostname Version License Key # VMs under Management #Message Authentication Code: 41e94ab016b6ace0b4f20f7ef3e666a2ede60436d5fe0632820679b04329ab6c</pre> |
| Success response | 200 OK |

4.3 Get ZIP Report

Export a vCloud Usage Meter report in a ZIP file.

Get a ZIP file containing a specified report. A query is required for all specific reports and must follow the following format:

```
/<id>?dateFrom=yyyymm0100&dateTo=yyyymm0100
```

A new parameter `toZip` is added to the operation. If the value for `toZip` is `true`, the result is of Content-Type `application/zip`.

If the value is `false` or does not exist, the result is of Content-type `text/tab-separated-values`. For more information about exporting vCloud Usage Meter reports, see [Get Report](#).

Example:

```
curl -o outputZippedReports.zip -v -k -H x-usagemeter-
authorization:TOK4GWBQU1ZX5D15QXAC5UX003EGLUYTNUS -X GET
'https://10.110.99.224:8443/um/api/report/21?dateFrom=2016100100&dateTo=2016110100&toZip=true'
```

The monthly interval must be exactly one month.

| Operation | GET /api/report/21?dateFrom=2016090100&dateTo=2016100100&toZip=true |
|------------------|------------------------------------------------------------------------------------|
| Request Header | Content-Type:text/xml;x-usagemeter-authorization:<token value> |
| Success Response | ZIP File with the report. |

5. vCloud Usage Meter API – vCenter Servers

This section summarizes vCloud Usage Meter API vCenter Server operations. All vCenter Server APIs should use the following XML tag:

<vcServers>:<vcServer>

vCloud Usage Meter 3.6 introduces the following four new, optional fields to handle external Platform Services Controller (PSC):

| Option | Description |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sso | The following values are allowed: <ul style="list-style-type: none"> 0 – Use when the vCenter Server does not use single sign-on. 1 – Use when the vCenter Server does not use an external PSC. If you do not set a specific <code>sso</code> value in your request, 1 is the default value. 2 – Use when the vCenter Server uses an external PSC. When you use this <code>sso</code> value in your request, you must also define values for <code>pscId</code>, <code>pscHost</code>, and <code>pscPort</code>. |
| pscId | The ID of the external PSC host. |
| pscHost | The IP Address of the external PSC Host |
| pscPort | The port that the external PSC is using. |

You can add PSC when you add a vCenter Server. For PSC, you can only update the PSC port of an existing host. If you change the PSC host, you create a new record.

5.1 Get vCenter Servers

Get an XML description for all vCenter Servers.

This API operation returns a list of all active vCenter Servers. The inactive servers are kept hidden in the inventory.

Example:

```
curl -v -k -H Content-Type:application/xml -H x-usagemeter-authorization:<token-value>
GET 'https://11.111.111.11:7444/um/api/vcServers'
```

| Operation | GET /api/vcServers |
|----------------|------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml;x-usagemeter-authorization:<token value> |

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <?xml version="1.0" encoding="UTF-8"?> <vcServers> <vcServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs ="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>1</id> <hostname>111.111.11.111</hostname> <port>443</port> <username>administrator@vsphere.local</username> <instanceUuid>47d315b6-c77f-4abc-985b-f9b864d9g724</instanceUuid> <fullname>VMware vCenter Server 6.0.0 build-3339084</fullname> <active>true</active> <version>6.0.0</version> <meter>true</meter> <monitor>true</monitor> <sso>1</sso> </vcServer> <vcServer> <id>2</id> <hostname>222.222.22.222</hostname> <port>443</port> <username>administrator@vsphere.local</username> <instanceUuid>de11263b-872a-4ae7-88e2-1a127d87d608</instanceUuid> <fullname>VMware vCenter Server 6.0.0 build-3634794</fullname> <active>true</active> <version>6.0.0</version> <meter>true</meter> <monitor>true</monitor> <sso>2</sso> <pscId>1</pscId> <pscHost>33.333.333.333</pscHost> <pscPort>7444</pscPort> </vcServer> </vcServers> |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Note: If no content exists, the response body is an empty list.

```
<?xml version="1.0" encoding="UTF-8"?>  
<vcServers></vcServers>
```

| | |
|-------------------------|--------|
| Success Response | 200 OK |
|-------------------------|--------|

5.2 Get vCenter Server

Get an XML representation of a specified vCenter Server. `{id}` is the vCenter Server ID, which remains unchanged.

| | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation | GET /api/vcServer/{id} |
| Request Header | Content-Type: application/xml;x-usagemeter-authorization:<token value> |
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <vcServers> <vcServer> <vcServerID>1</vcServerID> <host>11.11.111.111</host> <fullname>VMware vCenter Server 5.1.0 build-799731</fullname> <active>true</active> <instanceUuid>7C1A5AF7-4DB1-4E90-BDFE-A3EEF1B1C79B</instanceUuid> <user>root</user> <sso>2</sso> <pscId>1</pscId> <pscHost>22.222.222.222</pscHost> <pscPort>7444</pscPort> </vcServer> </vcServers></pre> |
| Success Response | 200 OK |

5.3 Create a vCenter Server

Create a vCenter Server.

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation | POST /api/vcServer |
| Request Header | Content-Type: application/xml;x-usagemeter-authorization:<token value> |
| Request Body | <pre><vcServer xmlns="http://www.vmware.com/UM"> <hostname>11.111.11.11</hostname> <username>administrator@vsphere.local</username> <password>password</password> <monitor>true</monitor> <sso>2</sso> <pscId>1</pscId> <pscHost>22.222.222.222</pscHost> <pscPort>7444</pscPort> </vcServer></pre> |

| | |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <?xml version="1.0" encoding="UTF-8"?> <vcServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>3</id> <hostname>11.111.11.11</hostname> <port>443</port> <username>administrator@vsphere.local</username> <instanceUuid>b64def84-899e-4c12-8e52-ef8e633eb994</instanceUuid> <fullname>VMware vCenter Server 6.0.0 build-3339084</fullname> <active>true</active> <version>6.0.0</version> <meter>true</meter> <monitor>true</monitor> <sso>2</sso> <pscId>1</pscId> <pscHost>22.222.222.222</pscHost> <pscPort>7444</pscPort> </vcServer> |
| Success Response | 201 OK |

Note: The `<monitor>` field is optional. By default, the value is `<true>`.

5.4 Update a vCenter Server

Update details or reactivate a specified vCenter Server. This API is used for the following operations:

- Change username and/or password
- Reactivate deleted vCenter Server
- Update PSC port of an existing host. If you change the PSC host, you create a new record.

| Operation | PUT /api/vcServer/{id} |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml x-usagemeter-authorization: <token value> |
| Body | <vcServer xmlns="http://www.vmware.com/UM"> <port>443</port> <username>administrator@vsphere.local</username> <password>password</password> <sso>2</sso> <pscHost>22.222.222.222</pscHost> <pscPort>7444</pscPort> </vcServer> |

| | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <?xml version="1.0" encoding="UTF-8"?> <vcServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns: :xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XM LSchema-instance"> <id>3</id> <hostname>111.11.11.11</hostname> <port>443</port> <username>administrator@vsphere.local</username> <instanceUuid>b64def84-899e-4c12-8e52-ef8e633eb994</instanceUuid> <fullname>VMware vCenter Server 6.0.0 build-3339084</fullname> <active>true</active> <version>6.0.0</version> <meter>true</meter> <monitor>true</monitor> <sso>2</sso> <pscId>1</pscId> <pscHost>22.222.222.222</pscHost> <pscPort>7444</pscPort> </vcServer> |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-------------------------|--------|
| Success Response | 200 OK |
|-------------------------|--------|

5.5 Delete a vCenter Server

Delete or deactivate a specified vCenter Server. The vCenter Server becomes inactive. After deletion, the vCenter Server `<active>` attribute is set to “false”.

| Operation | DELETE /api/vcenter/{id} |
|-------------------------|---------------------------------|
| Success Response | 204 No Content |

6. vCloud Usage Meter API – vCloud Director Server

This section summarizes vCloud Usage Meter API vCloud Director Server operations.

6.1 Get All vCloud Director Servers

Get an XML representation for all vCloud Director Servers.

You can add a query parameter to get a list of all active or inactive vCloud Director servers.

- `GET /api/vcd?active=true` returns a list of all **active** vCloud Director Servers.
- `GET /api/vcd?active=false` returns a list of all **inactive** vCloud Director Servers.

| Operation | <code>GET /api/vcd</code> |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <vcdServers> <vcdServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xss="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>6</id> <hostname>11.111.111.111</hostname> <port>443</port> <user>admin</user> <active>true</active> <version>8.0.1.3635340</version> </vcdServer> <vcdServer> <id>7</id> <hostname>22.222.222.222</hostname> <port>443</port> <user>admin</user> <active>true</active> <version>8.0.1.3635340</version> </vcdServer> </vcdServers></pre> |
| Success Response | <p>Note: If no content exists, the response body is an empty list.</p> <pre><?xml version="1.0" encoding="UTF-8"?> <vcdServers></vcdServers></pre> |

6.2 Create a vCloud Director Server

Create a vCloud Director Server.

| Operation | <code>POST /api/vcd</code> |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body | <pre><VCD xmlns="http://www.vmware.com/UM"> <hostname>22.444.66.888</hostname> <username>admin</username> <password>password</password> </VCD></pre> |
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <vcdServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>3</id> <hostname>11.110.22.44</hostname> <port>443</port> <username>admin</username> <active>true</active> <version>8.0.1.3635340</version> </vcdServer></pre> |
| Success Response | 201 Created |

6.3 Get vCloud Director Server

Get an XML representation of a specified vCloud Director Server.

| Operation | <code>GET /api/vcd/{id}</code> |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <vcdServers> <vcdServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>1</id> <hostname>11.111.111.111</hostname> <port>443</port> <username>admin</username> <active>true</active> <version>8.0.1.3635340</version> </vcdServer> </vcdServers></pre> |
| Success Response | 200 OK |

6.4 Update a vCloud Director Server

Update details or activate a specified vCloud Director Server. This API is only for updating username/password and cannot be used for updating the id.

Note: If username/password does not get updated, an “Invalid credentials for vCloud Director Server” error message is displayed.

| Operation | PUT /api/vcd/{id} |
|------------------|--------------------------------------------------------------------------------------------------------------------------|
| Request Sample | <VCD xmlns="http://www.vmware.com/UM"> <username>admin-update</username> <password>pwd-update</password> </VCD> |
| Success Response | 204 No Content |
| Failure Response | 403 Forbidden |

6.5 Delete a vCloud Director Server

Delete or deactivate a specific vCloud Director Server.

| Operation | DELETE /api/vcd/{id} |
|------------------|----------------------|
| Success Response | 204 No Content |

7. vCloud Usage Meter API – Horizon DaaS

This section summarizes vCloud Usage Meter API Horizon DaaS operations.

7.1 Get All Horizon DaaS Servers

Get an XML representation for all Horizon DaaS Servers.

You can add a query parameter to get a list of all active or inactive Horizon DaaS Servers.

- `GET /api/products/horizonDaaS?active=true` returns a list of all **active** Horizon DaaS Servers.
- `GET /api/products/horizonDaaS?active=false` returns a list of all **inactive** Horizon DaaS Servers.

| Operation | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <code>GET /api/products/horizonDaaS</code> |
| Sample Response | <pre><horizonDaaS> <DesktoneServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>1</id> <hostname>11.22.33.44</hostname> <username>test</username> <sessionModels>1</sessionModels> <active>true</active> </DesktoneServer> </horizonDaaS></pre> |
| | <p>Note: If no content exists, the response body is an empty list.</p> <pre><?xml version="1.0" encoding="UTF-8"?> < DesktoneServers></ DesktoneServers></pre> |
| Success Response | 200 OK |

7.2 Get Horizon DaaS Server

Get an XML representation of a specified Horizon DaaS Server.

| Operation | <code>GET /api/products/horizonDaaS/{id}</code> |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <horizonDaaS> <DesktoneServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>1</id> <hostname>12.34.56.78</hostname> <username>test2</username> <sessionModels>1</sessionModels> <active>true</active> </DesktoneServer> </horizonDaaS></pre> |
| Success Response | 200 OK |

7.3 Post a Horizon DaaS Server

Create a Horizon DaaS Server.

| Operation | <code>POST /api/products/horizonDaaS</code> |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body | <pre>'<?xml version="1.0" encoding="UTF-8"?> <DesktoneServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <hostname>22.44.55.66</hostname> <username>test2</username> <password>pwd</password> <sessionModels>4</sessionModels> </DesktoneServer>'</pre> |

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <DesktoneServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"><id>2</id> <hostname>11.33.11.22</hostname> <username>test2 </username><sessionModels>2</sessionModels> <active>true</active> </DesktoneServer></pre> |
| Success Response | 201 Created |

7.4 Update a Horizon DaaS Server

Update details or activate a specified Horizon DaaS Server.

| Operation | PUT /api/products/horizonDaaS/{id} |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request Sample | <pre>'<?xml version="1.0" encoding="UTF-8"?> <DesktoneServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <hostname>11.222.33.555/hostname> <username>test</username> <password>pwd</password> <sessionModels>4</sessionModels> </DesktoneServer>'</pre> |
| Success Response | 204 No Content |
| Failure Response | 403 Forbidden |

7.5 Delete a Horizon DaaS Server

Delete or deactivate a specific Horizon DaaS Server.

| Operation | DELETE /api/products/horizonDaaS/{id} |
|------------------|---------------------------------------|
| Success Response | 204 No Content |

8. vCloud Usage Meter API – NSX

This section summarizes vCloud Usage Meter API NSX operations.

8.1 Get NSX Servers

Get an XML representation for all NSX Servers.

| Operation | <code>GET /api/products/nsxServer</code> |
|----------------|-------------------------------------------------------------------------------------------|
| Request Header | <code>Content-Type: application/xml;x-usagemeter-authorization:<token value></code> |

| | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre> <?xml version="1.0" encoding="UTF-8"?> <nsxServers> <nsxServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>3</id> <active>true</active> <host>11.111.111.111</host> <port>443</port> <userName>username</userName> <password>3rfGs3cui1ko/wxsQKKrLmJY0mS2Jwr2N7Qsr3X6AP8=</password> <vhost>22.222.222.222</vhost> </nsxServer> <nsxServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>4</id> <active>true</active> <host>33.333.333.333</host> <port>443</port> <userName>username</userName> <password>byofTVGKcU1VCBPk0YPoU5B3zs7vHQfofr7sumZJmBI=</password> <vhost>44.344.444.444</vhost> </nsxServer> </nsxServers></pre> |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-------------------------|--------|
| Success Response | 200 OK |
|-------------------------|--------|

8.2 Get NSX Server

Get an XML representation of a specified NSX server. {id} is the NSX server ID, which remains unchanged.

| Operation | GET /api/nsxServer/{id} |
|-----------------------|------------------------------------------------------------------------|
| Request Header | Content-Type: application/xml;x-usagemeter-authorization:<token value> |

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <nsxServers> <nsxServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xss="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>{id}</id> <active>true</active> <host>11.111.111.111</host> <port>443</port> <userName>user</userName> <password>3rfGs3cui1ko/wxsQKKrLmJY0mS2Jwr2N7Qsr3X6AP8=</password> <vchost>22.222.222.222</vchost> </nsxServer> </nsxServers></pre> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|------------------|--------|
| Success Response | 200 OK |
|------------------|--------|

If there is no NSX server associated with the `{id}` you provide in the call, you receive a `404 Not Found` error.

8.3 Post NSX Server

Create an NSX server.

| Operation | <code>POST /api/products/nsxServer</code> |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request Header | <code>Content-Type:text/xml;x-usagemeter-authorization:<token value></code> |
| Request Body | <pre><nsxServer xmlns="http://www.vmware.com/UM"> <host>11.111.111.111</host> <port>443</port> <userName>username</userName> <password>password</password> <vchost>22.222.222.222</vchost> </nsxServer></pre> |

| | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <nsxServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>4</id> <active>true</active> <host>11.111.111.111</host> <port>443</port> <userName>username</userName> <password>3rfGs3cui1ko/wxstyKrLmJY0mS2Jwr2N7Qsr3X6AP8=</password> <vhost>22.222.222.222</vhost> </nsxServer></pre> |
| Success Response | 201 Created |
| Failure Response | 400 Bad Request |

Note: If the vCenter Server that an NSX server is referencing, is not registered, you receive a 400 Bad Request error.

8.4 Put NSX Server

Update an NSX server.

| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation | <code>PUT /api/products/nsxServer/{id}</code> |
| Request Header | <code>Content-Type:text/xml;x-usagemeter-authorization:<token value></code> |
| Request Sample | <pre><nsxServer xmlns="http://www.vmware.com/UM"> <host>11.111.111.111</host> <port>443</port> <userName>username</userName> <password>password</password> <vhost>22.222.222.222</vhost> </nsxServer></pre> |

| | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><?xml version="1.0" encoding="UTF-8"?> <nsxServer xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>4</id> <active>true</active> <host>11.111.111.111</host> <port>443</port> <userName>username</userName> <password>3rfGs3cui1ko/wxstyKrLmJY0mS2Jwr2N7Qsr3X6AP8=</password> <vchost>22.222.222.222</vchost> </nsxServer></pre> |
| Success Response | 201 Created |

8.5 Delete NSX Server

Delete NSX server.

| | |
|-------------------------|--------------------------------------------|
| Operation | DELETE /api/products/nsxServer/{id} |
| Success Response | 204 No Content |

9. vCloud Usage Meter API – Provider

This section summarizes vCloud Usage Meter API Provider operations.

9.1 Get All Providers

Get an XML representation for all Providers.

| Operation | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | GET /api/providers |
| Sample Response | <pre><providers> <provider xmlns="http://www.vmware.com/UM"> <id>1</id> <company>test-update</company> <contact>test</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>test</partnerId> <contractNum>test</contractNum> <siteId>test</siteId> <portalUserName/> <portalPassword/> </provider> <provider xmlns="http://www.vmware.com/UM"> <id>2</id> <company>test-update</company> <contact>test</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>test</partnerId> <contractNum>test</contractNum> <siteId>test</siteId> <portalUserName/> <portalPassword/> </provider> </providers></pre> |
| | Note: If no content exists, the response body is an empty list. |
| | <pre><?xml version="1.0" encoding="UTF-8"?> <Providers></Providers></pre> |
| Success Response | 200 OK |

9.2 Get Provider

Get an XML representation of a specified provider.

| | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation | GET /api/provider |
| Sample Response | <provider xmlns=" http://www.vmware.com/UM "> <id>1</id> <company>test-update</company> <contact>test</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>test</partnerId> <contractNum>test</contractNum> <siteId>test</siteId> <portalUserName/> <portalPassword/> </provider> |
| Success Response | 200 OK |
| Failure Response | 404 Not Found The specified provider is not configured. |

9.3 Put Provider

Update a specified provider.

| | |
|------------------|--------------------------|
| Operation | PUT /api/provider |
|------------------|--------------------------|

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Request Sample | <pre><provider xmlns="http://www.vmware.com/UM"> <company>test-update</company> <contact>test</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>test</partnerId> <contractNum>test</contractNum> <siteId>test</siteId> <portalUserName/> <portalPassword/> </provider></pre> |
| Sample Response | <pre><provider xmlns="http://www.vmware.com/UM"> <id>1</id> <company>test-update</company> <contact>test</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>test</partnerId> <contractNum>test</contractNum> <siteId>test</siteId> <portalUserName/> <portalPassword/> </provider></pre> |
| Success Response | 200 OK |

9.4 Post Provider

Create a specified provider.

| Operation | POST /api/provider |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Response | <pre><provider xmlns="http://www.vmware.com/UM"> <company>test-update</company> <contact>test</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>test</partnerId> <contractNum>test</contractNum> <siteId>test</siteId> <portalUserName/> <portalPassword/> </provider></pre> |

| | |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Success Response | 201 CREATED <pre><provider xmlns="http://www.vmware.com/UM" xmlns:tns="http://www.vmware.com/UM" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <id>1</id> <company>Company Name</company> <contact>FirstName LastName</contact> <phone>111111</phone> <email>a@b.com</email> <partnerId>partner-id</partnerId> <contractNum>contact-number</contractNum> <siteId>site-id</siteId> <portalUserName> </portalUserName> <portalPassword> </portalPassword> </provider></pre> |
| Failure Response | 400 BAD REQUEST - If the provider already exists. |
