CHAPTER 1: INTRODUCTION TO THE ZERTO CLOUD MANAGER RESTFUL APIs

The Zerto Cloud Manager RESTful API enables you to manage Zerto Cloud Manager programmatically. The REST APIs provide a way to automate many of the tasks required to manage DR, without having to use the Zerto User Interface.

APIs are available both to return status information and to perform actions, such as adding a service profile. The REST APIs are used for the following:

- Start and end a session. See below, Starting and Ending a Session, below.
- Get information about and perform actions on Zerto cloud connectors. See Cloudconnector APIs, on page 8.
- Get information about resources. See Resources API, on page 13.
- Get information about and perform actions on service profiles. See Service Profile APIs, on page 15.
- Get information about and perform actions on sites. See Sites APIs, on page 23.
- Get information about and perform actions on sites Zerto organizations (ZORGs). See ZORG APIs, on page 30.

The information returned by these APIs refers to what is managed by the Zerto Cloud Manager where the API is run.

Authentication and Security Concerns

All APIs are exposed over HTTPS.

All requests to the server, apart from the request to start a session, must contain a zerto session identifier which is provided when starting a session successfully.

In order to start a session, the user sends credentials (user/password).

For more information about start a session, see “Starting a Session”, below

Starting a Session

All the Zerto Cloud Manager RESTful APIs require a session running with basic authorization.

The username and password authorization used must be a valid username and password for either of the following:

- The Windows machine where the Zerto Cloud Manager is installed.
- The hypervisor manager, VMware vCenter Server or Microsoft SCVMM, accessed by the Zerto Cloud Manager.

In both cases the Zerto Cloud Manager is the Zerto Cloud Manager where the APIs will run.

When passing a URL in a browser, you require a security certificate. In Microsoft Internet Explorer you have to be in Compatibility mode.

To test the APIs, Zerto recommends using cURL or a REST client, such as the following:


Starting a Session API

Description: Start a session with user with credentials.

REST Operation: POST

URL: v1/session/add
Starting a Session

When starting a session successfully, you will receive:

- **Status**: 200
- **Header**: "x-zerto-session". This is the session identifier. The session identifier is used in the client code with every API call for the duration of the session

<table>
<thead>
<tr>
<th>STATUS</th>
<th>HEADER</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>&quot;x-zerto-session&quot;</td>
</tr>
</tbody>
</table>

**Body**: none.

The APIs can be consumed by applications implemented in different technologies in a stateless manner.

Data returned is formatted either as JSON or as XML as set by the consumer. By default, data that is returned for the v1 APIs is formatted as JSON.

For additional information, see “Starting and Ending a Session”, on page 6.

Ending a Session

End a session with the following URL and the HTTP DELETE request:

https://zcm_ip:port/v1/session

**Note**: If a session is dormant for thirty minutes, the session is automatically terminated.
CHAPTER 2: ZERTO CLOUD MANAGER APIs

This document provides reference material about the Zerto Cloud Manager RESTful APIs.

Security

The API is exposed over HTTPS. Client code must use the x-zerto-session HTTP authorization header. For additional information, see Authentication and Security Concerns.

Format

Json, XML

List of APIs

The following categories are available:

Starting and Ending a Session, on page 6
Cloudconnector APIs, on page 8
Resources API, on page 13
Service Profile APIs, on page 15
Sites APIs, on page 23
ZORG APIs, on page 30

Note: All APIs must contain in their header the session identifier.

Starting and Ending a Session

All requests to the server, aside from the request to start a session, must contain a security token which is provided when starting a session successfully.

To authenticate a user, use user credentials in the request body. These credentials include username and password.

For additional information, see Starting a Session.

The following API are available:

Start a Session
End a Session

Start a Session

Request
Response
### Starting and Ending a Session

#### Request

The following is an example request JSON body.

```json
{
    "AuthenticationMethod": 0
}
```

#### Response

The response body is empty.

Back to [Sites APIs](#)

Back to [List of APIs](#)

---

### End a Session

#### Request

The request body is empty.

#### Response

Where:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>zcm_ip</code></td>
<td>The IP address of the Zerto Cloud Manager where the API is run.</td>
</tr>
<tr>
<td><code>port</code></td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
</tbody>
</table>

**Authorization**: Username / Password
Cloudconnector APIs

Cloud Connector APIs returns information about Zerto Cloud Connectors or performs actions on specific cloud connectors.

The following APIs are available:

- **Delete a Cloud Connector**
- **List All Cloud Connectors of a ZORG / Get Information About a Single Cloud Connector**
- **Install a Cloud Connector**
- **Redeploy a Cloud Connector**

**Delete a Cloud Connector**

**Request**

The request body is empty.

**Response**

The response body is empty.

**List All Cloud Connectors of a ZORG / Get Information About a Single Cloud Connector**

The response for both APIs is identical.

Display a list of cloud connectors attached to a ZORG using the following API.
Display information for a single cloud connector using the following API.

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/cloudconnectors?zorgidentifier={zorgidentifier}</td>
</tr>
</tbody>
</table>

Where:
- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **cloudconnectoridentifier**: Internal identifier for the cloud connector.
- **zorgidentifier**: The identifier of the ZORG used for the VPG.

**Request**

**Response**

**Request**

The request body is empty.

**Response**

The following is an example response Json body of a list of all cloud connectors of a ZORG and, without the array statement, of a single cloud connector.

```json
[{
  "CloudConnectorIdentifier": "6605279f-7967-43c3-a747-ddb58e8343d5",
  "CloudNetworkData": {
    "CloudNetwork": "VM Network",
    "CloudNetworkAddress": "15.15.15.8",
    "CloudNetworkSubnetMask": "255.255.255.0",
    "CloudStaticRouteGroup": "N/A"
  },
  "CustomerName": "CloudServiceProvider-1-VC_TenantA",
  "CustomerNetworkData": {
    "CustomerNetwork": "VM Network",
    "CustomerNetworkAddress": "172.20.184.250",
    "CustomerNetworkDefaultGateway": "172.20.184.254",
    "CustomerNetworkSubnetMask": "255.255.255.0"
  },
  "DatastoreName": "BK3BL2-07_COMP_DS",
  "GhostStatus": false,
  "HostName": "172.20.184.5",
  "Link": {
    "href": "https://172.20.184.51:9989/v1/cloudconnectors/6605279f-7967-43c3-a747-ddb58e8343d5",
    "identifier": "6605279f-7967-43c3-a747-ddb58e8343d5",
    "rel": "null",
    "type": "CloudConnectorApi"
  }
}]
```


})

"Progress": 0,
"SiteName": "CloudServiceProvider-1-VC",
"SitePaired": true
"Status": "Installed",
"VmName": "Zerto-ZCC-TenantA-1"
}]

PARAMETER | TYPE | DESCRIPTION
--- | --- | ---
CloudConnectorIdentifier | String | Internal identifier for the cloud network.
CloudNetworkData | | Cloud network information.
CloudNetwork | String | Cloud network name.
CloudNetworkAddress | String | Cloud network IP address.
CloudNetworkSubnetMask | String | Cloud network subnet mask.
CloudStaticRouteGroup | String | Cloud network static route group name.
CustomerName | String | Customer name.
CustomerNetworkData | | Cloud network information.
CloudNetwork | String | Cloud network name.
CloudNetworkAddress | String | Cloud network IP address.
CloudNetworkSubnetMask | String | Cloud network subnet mask.
CloudStaticRouteGroup | String | Cloud network static route group name.
DatastoreName | String | Datastore name.
GhostStatus | Boolean | Boolean value indicating ghost error.
HostName | String | Host name.
Link | | Link information for the URL.
href | String | URL for API call(s) to the resource.
identifier | String | The unique internal identifier of the resource.
rel | String | Next path level for the API relative to the current path.
type | String | API interface type.
Progress | Number | Integer value between 1 - 100 indicating percentage completion of operation.
SiteName | String | Site name.
SitePaired | Boolean | Indicates whether the site is paired.
Status | String | Possible values:
Orphaned: One of the specified networks is invalid or inaccessible.
Installed: The ZCC was installed.
Installing: The ZCC is installing.
Removing: The ZCC is being removed.
VmName | String | Virtual machine name.

Back to Cloudconnector APIs
Back to List of APIs.
See also Starting and Ending a Session, on page 6.

Install a Cloud Connector

Request

Cloudconnector APIs
Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>https://zcm_ip:port/v1/cloudconnectors</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>zcm_ip</strong></td>
<td>The IP address of the Zerto Cloud Manager where the API is run.</td>
</tr>
<tr>
<td><strong>port</strong></td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
</tbody>
</table>

Request

The following is an example request Json body.

```json
[{
  "ZorgIdentifier": "7f1e6821-7269-48d0-958b-006db2a3d485"
  "CustomerName": ""
  "VmName": "London"
  "SiteIdentifier": "67c2acef-f216-44f8-8f3c-121ffdb33fef"
  "HostIdentifier": "host-9.621941a3-d220-4fd3-92de-3f9d7472b9e4"
  "DatastoreIdentifier": "datastore-10.621941a3-d220-4fd3-92de-3f9d7472b9e4"
  "CloudNetworkSettings": {
    "CloudNetworkIdentifier": "network-13.Network.621941a3-d220-4fd3-92de-3f9d7472b9e4"
    "CloudIpAddress": "172.20.43.199"
    "CloudSubnetMask": "255.255.255.0"
    "CloudStaticRouteGroupIdentifier": "a80d3906-efca-ff83-c4c6-6bec07eaf66"
  },
  "CustomerNetworkSettings": {
    "CustomerNetworkIdentifier": "network-12.Network.621941a3-d220-4fd3-92de-3f9d7472b9e4"
    "CustomerIpAddress": "172.20.200.199"
    "CustomerSubnetMask": "255.255.255.0"
    "CustomerDefaultGateway": "172.20.200.254"
  }
}]
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ZorgIdentifier</strong></td>
<td>String</td>
<td>The identifier of the ZORG, Zerto organization, defined in the Zerto Cloud Manager.</td>
</tr>
<tr>
<td><strong>CustomerName</strong></td>
<td>String</td>
<td>Customer name.</td>
</tr>
<tr>
<td><strong>VmName</strong></td>
<td>String</td>
<td>Virtual machine name.</td>
</tr>
<tr>
<td><strong>SiteIdentifier</strong></td>
<td>String</td>
<td>Internal identifier for the site.</td>
</tr>
<tr>
<td><strong>HostIdentifier</strong></td>
<td>String</td>
<td>Internal identifier for the host.</td>
</tr>
<tr>
<td><strong>DatastoreIdentifier</strong></td>
<td>String</td>
<td>Internal identifier for the datastore.</td>
</tr>
<tr>
<td><strong>CloudNetworkSettings</strong></td>
<td>String</td>
<td>Cloud network information.</td>
</tr>
<tr>
<td><strong>CloudNetworkIdentifier</strong></td>
<td>String</td>
<td>Internal identifier for the cloud network.</td>
</tr>
<tr>
<td><strong>CloudIpAddress</strong></td>
<td>String</td>
<td>Cloud network IP address.</td>
</tr>
<tr>
<td><strong>CloudSubnetMask</strong></td>
<td>String</td>
<td>Cloud network subnet mask.</td>
</tr>
<tr>
<td><strong>CloudStaticRouteGroupIdentifier</strong></td>
<td>String</td>
<td>Internal identifier for the cloud network static route group name.</td>
</tr>
<tr>
<td><strong>CustomerNetworkSettings</strong></td>
<td>String</td>
<td>Customer network information.</td>
</tr>
<tr>
<td><strong>CustomerNetworkIdentifier</strong></td>
<td>String</td>
<td>Internal identifier for the customer network.</td>
</tr>
<tr>
<td><strong>CustomerIpAddress</strong></td>
<td>String</td>
<td>Customer network IP address.</td>
</tr>
</tbody>
</table>
Redeploy a Cloud Connector

Request

Response

Where:

- `zcm_ip`: The IP address of the Zerto Cloud Manager where the API is run.
- `port`: The port to access the Zerto Cloud Manager. The default port is 9989.
- `cloudconnectoridentifier`: The Internal identifier for the cloud connector.

Request

The following is an example of a request Jason body.

```json
[
  {
    "ZorgIdentifier": "ecd5aa14-6a4d-4c38-8d51-535cdaa8494c",
    "CustomerName": "",
    "VmName": "test2",
    "HostIdentifier": "host-9.621941a3-d220-4fd3-92de-3f9d7472b9e4",
    "DatastoreIdentifier": "datastore-10.621941a3-d220-4fd3-92de-3f9d7472b9e4",
    "CloudNetworkIdentifier": "network-13.Network.621941a3-d220-4fd3-92de-3f9d7472b9e4",
    "CustomerNetworkIdentifier": "network-12.Network.621941a3-d220-4fd3-92de-3f9d7472b9e4",
    "CloudStaticRouteGroupIdentifier": ""
  }
]```
The Resources API returns information about a specific ZORG’s resources.

### Get Information About a Resource

#### Request

**Response**

#### METHOD | URL
--- | ---
GET | https://zcm_ip:port/v1/resources/{resourceIdentifier}

Where:

- **zcm_ip** The IP address of the Zerto Cloud Manager where the API is run.
- **port** The port to access the Zerto Cloud Manager. The default port is 9989.
- **resourceIdentifier** Internal identifier of a resource.

The request body is empty.
Response

The following is an example response Json body.

```json
[{
    "CloudSiteName": "London",
    "Identifier": "datastore-11.621941a3-d220-4fd3-92de-3f9d7472b9e4",
    "Link": {
      "href": "https://10.10.115:9672/v1/resources/datastore-11.621941a3-d220-4fd3-92de-3f9d74",
      "identifier": "datastore-11.621941a3-d220-4fd3-92de-3f9d7472b9e4",
      "rel": null,
      "type": "ResourceApi",
      "MaskedName": "datastore1",
      "MaxStorageGB": 0,
      "MaxVms": 0,
      "OwnerVCDOrgName": null,
      "ResourceName": "datastore1",
      "SiteIdentifier": "eda3d8a4-5c2b-481a-9144-23c59375dd6b",
      "Type": "VCenterDatastore",
      "VirtualizationSite": "Hypervisor"
    }
}]
```

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CloudSiteName</td>
<td>String</td>
<td>Cloud site name.</td>
</tr>
<tr>
<td>Identifier</td>
<td>String</td>
<td>Internal identifier of resource.</td>
</tr>
<tr>
<td>Link</td>
<td></td>
<td>Link information for the URL.</td>
</tr>
<tr>
<td>href</td>
<td>String</td>
<td>URL for API call(s) to the resource.</td>
</tr>
<tr>
<td>identifier</td>
<td>String</td>
<td>The unique internal identifier of the resource.</td>
</tr>
<tr>
<td>rel</td>
<td>String</td>
<td>Next path level for the API relative to the current path.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>API interface type.</td>
</tr>
<tr>
<td>MaskedName</td>
<td>String</td>
<td>Alternate name of the resource.</td>
</tr>
<tr>
<td>MaxStorageGB</td>
<td>Number</td>
<td>Maximum size in Gigabytes.</td>
</tr>
<tr>
<td>MaxVms</td>
<td>Number</td>
<td>Maximum number of VMs.</td>
</tr>
<tr>
<td>OwnerVCDOrgName</td>
<td>String</td>
<td>Name of the owner of the VCD organization.</td>
</tr>
<tr>
<td>ResourceName</td>
<td>String</td>
<td>Name of the resource.</td>
</tr>
<tr>
<td>SiteIdentifier</td>
<td>String</td>
<td>Internal site identifier.</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>Resource type</td>
</tr>
<tr>
<td>VirtualizationSite</td>
<td>String</td>
<td>Type of resource origin.</td>
</tr>
</tbody>
</table>

Back to List of APIs.

See also Starting and Ending a Session.
Service Profile APIs

Service profile APIs return information about service profiles, set a service profile as default, and perform actions on specific service profiles.

The following APIs are available:

- Add a Service Profile
- Delete a Service Profile
- List Service Profiles / Get Information for a Specific Service Profile
- Set Default Service Profile
- Update a Specific Service Profile

Add a Service Profile

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>https://zcm_ip:port/v1/resources</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip** - The IP address of the Zerto Cloud Manager where the API is run.
- **port** - The port to access the Zerto Cloud Manager. The default port is 9989.

**Request**

The following is an example request Json body.

```json
[
  {
    "ServiceProfileName": "gold",
    "RecoveryPolicy": "Extended Recovery",
    "Description": "gold",
    "DRPolicy": {
      "TargetRpoAlert": "1 minute",
      "DefaultJournalHistory": "15 hours",
      "JournalSizeHardLimit": "Unlimited",
      "JournalSizeWarningThreshold": "Unlimited",
      "TestFrequencyReminder": "9 months",
    },
    "BackupPolicy": {
      "RetentionPeriod": "1 month",
      "SchedulePeriodType": "Daily",
      "ScheduleDayOfWeek": "Thursday"
    }
  }
]
```

**RESPONSE**

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ServiceProfileName</td>
<td>String</td>
<td>The name of the service profile.</td>
</tr>
<tr>
<td>RecoveryPolicy</td>
<td>String</td>
<td>The selected policy. Possible values: \n</td>
</tr>
</tbody>
</table>
### Description
The description of the service profile.

### DRPolicy
Policy configuration.

### TargetRpoAlert
The maximum requested time between each automatic checkpoint being written to the journal before an alert is issued. The value can be between one minute and 12 hours.

### DefaultJournalHistory
The default time that all write commands are saved in the journal. The value can be between one hour and 30 days.

### JournalSizeHardLimit
The maximum journal size. The value is between 1 and 100 percent. 0 means unlimited.

### JournalSizeWarningThreshold
The journal size that generates a warning that the journal is nearing its hard limit. The value is between 1 and 100 percent. 0 means unlimited.

### TestFrequencyReminder
The time recommended between testing the integrity of the VPG. A warning is issued if a test is not done within this time frame. Possible values are between 1 and 12 months. 0 means none.

### BackupPolicy
Details about the offsite backup policy.

### RetentionPeriod
The length of time to keep offsite backups, starting from a minimum of one week, and up to a maximum of 12 months. Over time, Zerto reduces the number of stored offsite backups to save space.

### VALID VALUES FOR RetentionPeriod

<table>
<thead>
<tr>
<th>RetentionPeriod</th>
<th># OF BACKUPS SAVED WHEN RUN DAILY</th>
<th># OF BACKUPS SAVED WHEN RUN WEEKLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>OneWeek</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>OneMonth</td>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td>ThreeMonths</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td>SixMonths</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td>NineMonths</td>
<td>19</td>
<td>13</td>
</tr>
<tr>
<td>OneYear</td>
<td>22</td>
<td>16</td>
</tr>
</tbody>
</table>

The **SchedulerPeriod** parameter defines whether backups are created daily or weekly.

For an explanation of how Zerto reduces the number of offsite backups, see the Zerto Cloud Manager Administration Guide.

### SchedulePeriodType
The type of scheduled period in which offsite backup will run. **Daily** - The offsite backups will run every day. **Weekly** - The offsite backups will run once a week.

### ScheduleDayOfWeek
The day of the week when the backup is performed.

---

### Response
The following is an example response Json body.

```json
{
    "ServiceProfileIdentifier": "620cb569-a29b-45ae-bd10-6b9b2b96709b"
}
```

---

### PARAMETER

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ServiceProfileIdentifier</td>
<td>String</td>
<td>The identifier of the service profile to use for the VPG.</td>
</tr>
</tbody>
</table>
Delete a Service Profile

Request
The request Json body is empty.

Response
The response Json body is empty.

List Service Profiles / Get Information for a Specific Service Profile

The response for both APIs is identical.

Display a list of all service profiles by running the following API.

**METHOD** | **URL**
--- | ---
GET | https://zcm_ip:port/v1/serviceprofiles

Display information about a specific service profile by its ID by running the following API.

**METHOD** | **URL**
--- | ---
GET | https://zcm_ip:port/v1/serviceprofiles/{serviceprofileidentifier}

Where:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>zcm_ip</code></td>
<td>The IP address of the Zerto Cloud Manager where the API is run.</td>
</tr>
<tr>
<td><code>Port</code></td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td><code>serviceprofileidentifier</code></td>
<td>The identifier of the service profile to use for the VPG.</td>
</tr>
</tbody>
</table>
Request

The request body is empty.

Response

The following is an example response JSON body of a list of all service profiles and, without the array statement, of a specific service profile.

```json
[
    {
        "BackupPolicy": {
            "RetentionPeriod": "",
            "SchedulePeriodType": "String content",
            "ScheduleDayOfWeek": "String content"
        },
        "DRPolicy": {
            "DefaultJournalHistory": "1 day",
            "JournalSizeHardLimit": "75%",
            "JournalSizeWarningThreshold": "50%",
            "TargetRpoAlert": "5 minutes",
            "TestFrequencyReminder": "None"
        },
        "Description": "System Service Profile",
        "IsDefaultServiceProfile": true,
        "Link": {
            "href": "https://172.20.184.51:9989/v1/serviceprofiles/18f89b73-e6dc-4430-9f47-e9d55dc204b",
            "identifier": "18f89b73-e6dc-4430-9f47-e9d55dc204b",
            "rel": null,
            "type": "ServiceProfileApi",
            "RecoveryPolicy": "Disaster Recovery",
            "ServiceProfileIdentifier": "b4438eb2-b7f0-41d4-ad21-14d881be566c",
            "ServiceProfileName": "System Service Profile"
        }
    }
]```
### BackupPolicy
Details about the offsite backup policy.

### RetentionPeriod (String)
The length of time to keep offsite backups, up to a maximum of 12 months. Over time, Zerto reduces the number of stored offsite backups to save space.

#### VALID VALUES FOR RetentionPeriod
<table>
<thead>
<tr>
<th>RetentionPeriod</th>
<th># OF BACKUPS SAVED WHEN RUN DAILY</th>
<th># OF BACKUPS SAVED WHEN RUN WEEKLY</th>
</tr>
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<tbody>
<tr>
<td>OneWeek</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>OneMonth</td>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td>ThreeMonths</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td>SixMonths</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td>NineMonths</td>
<td>19</td>
<td>13</td>
</tr>
<tr>
<td>OneYear</td>
<td>22</td>
<td>16</td>
</tr>
</tbody>
</table>

The **SchedulerPeriod** parameter defines whether backups are created daily or weekly.

For an explanation of how Zerto reduces the number of offsite backups, see the *Zerto Cloud Manager Administration Guide*.

#### SchedulePeriodType (String)
The type of scheduled period in which offsite backup will run.
- **Daily** - The offsite backups will run every day.
- **Weekly** - The offsite backups will run once a week.

#### ScheduleDayOfWeek (String)
The day of the week when the backup is performed.

#### DRPolicy (String)
Policy configuration.

#### TargetRpoAlert (String)
The maximum requested time between each automatic checkpoint being written to the journal before an alert is issued. The value can be between one minute and 12 hours.

#### DefaultJournalHistory (String)
The default time that all write commands are saved in the journal. The value is between one hour and 30 days.

#### JournalSizeHardLimit (String)
The maximum journal size. The value is between 1 and 100 percent. 0 means unlimited.

#### JournalSizeWarningThreshold (String)
The journal size that generates a warning that the journal is nearing its hard limit. The value is between 1 and 100 percent. 0 means unlimited.

#### TestFrequencyReminder (String)
The time recommended between testing the integrity of the VPG. A warning is issued if a test is not done within this time frame. Possible values are between 1 and 12 months. 0 means none.

#### Description (String)
A description of the service profile.

#### IsDefaultServiceProfile (Boolean)

#### Link
#### href (String)
URL for API call(s) to the service profile.

#### identifier (String)
The unique internal identifier of the service profile.

#### rel (String)
Next path level for the API relative to the current path.

#### type (String)
API interface type.

#### RecoveryPolicy (String)
The selected policy. Possible values:
- **Standard disaster recovery**
- **Extended recovery (includes backup)**
Set Default Service Profile

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>https://zcm_ip:port/v1/serviceprofiles/{serviceprofileidentifier}</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>serviceprofileidentifier</td>
<td>The identifier of the service profile to use for the VPG.</td>
</tr>
</tbody>
</table>

Request

The request Json body is empty.

Response

The response Json body is empty.

Update a Specific Service Profile

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td>https://zcm_ip:port/v1/serviceprofiles/{serviceprofileidentifier}</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>serviceprofileidentifier</td>
<td>The identifier of the service profile to use for the VPG.</td>
</tr>
</tbody>
</table>
Request

The following is an example request JSON body.

```json
[{
    "ServiceProfileName": "Gold",
    "RecoveryPolicy": "Disaster recovery",
    "Description": "Ultimate",
    "DRPolicy": {
        "TargetRpoAlert": "1 minute",
        "DefaultJournalHistory": "15 hours",
        "JournalSizeHardLimit": "Unlimited",
        "JournalSizeWarningThreshold": "Unlimited",
        "TestFrequencyReminder": "9 Months"
    },
    "BackupPolicy": {
        "RetentionPeriod": "1 Month",
        "SchedulePeriodType": "Daily",
        "ScheduleDayOfWeek": "Thursday"
    }
}]
```

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ServiceProfileName</td>
<td>String</td>
<td>The name of the service profile.</td>
</tr>
<tr>
<td>RecoveryPolicy</td>
<td>String</td>
<td>The selected policy. Possible values:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Standard disaster recovery</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extended recovery (includes backup)</td>
</tr>
<tr>
<td>Description</td>
<td>String</td>
<td>The description of the service profile.</td>
</tr>
<tr>
<td>DRPolicy</td>
<td></td>
<td>Policy configuration.</td>
</tr>
<tr>
<td>TargetRpoAlert</td>
<td>String</td>
<td>The maximum requested time between each automatic checkpoint being written to the journal before an alert is issued. The value is between one minute and 12 hours.</td>
</tr>
<tr>
<td>DefaultJournalHistory</td>
<td>String</td>
<td>The default time that all write commands are saved in the journal. The value is between one hour and 30 days.</td>
</tr>
<tr>
<td>JournalSizeHardLimit</td>
<td>String</td>
<td>The maximum journal size. The value is between 1 and 100 percent. 0 means unlimited.</td>
</tr>
<tr>
<td>JournalSizeWarningThreshold</td>
<td>String</td>
<td>The journal size that generates a warning that the journal is nearing its hard limit. The value is between 1 and 100 percent. 0 means unlimited.</td>
</tr>
<tr>
<td>TestFrequencyReminder</td>
<td>String</td>
<td>The time recommended between testing the integrity of the VPG. A warning is issued if a test is not done within this time frame. Possible values are between 1 and 12 months. 0 means none.</td>
</tr>
<tr>
<td>BackupPolicy</td>
<td></td>
<td>Details about the offsite backup policy.</td>
</tr>
</tbody>
</table>
Zerto Cloud Manager RESTful API - Version 6.5
Zerto Cloud Manager APIs

### Service Profile APIs

**Zerto Cloud Manager RESTful API - Version 6.5**

**Zerto Cloud Manager APIs**

The response JSON body is empty.

Back to **Service Profile APIs**

Back to **List of APIs**

See also **Starting and Ending a Session.**

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RetentionPeriod</td>
<td>String</td>
<td>The length of time to keep offsite backups, starting from a minimum of one week, and up to a maximum of 12 months. Over time, Zerto reduces the number of stored offsite backups to save space.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VALID VALUES FOR RetentionPeriod</th>
<th># OF BACKUPS SAVED WHEN RUN DAILY</th>
<th># OF BACKUPS SAVED WHEN RUN WEEKLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>OneWeek</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>OneMonth</td>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td>ThreeMonths</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td>SixMonths</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td>NineMonths</td>
<td>19</td>
<td>13</td>
</tr>
<tr>
<td>OneYear</td>
<td>22</td>
<td>16</td>
</tr>
</tbody>
</table>

The **SchedulerPeriod** parameter defines whether backups are created daily or weekly.

For an explanation of how Zerto reduces the number of offsite backups, see the **Zerto Cloud Manager Administration Guide**.

<table>
<thead>
<tr>
<th>SchedulePeriodType</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ScheduleDayOfWeek</td>
<td>String</td>
<td>The type of scheduled period in which offsite backup will run.</td>
</tr>
<tr>
<td>Daily</td>
<td></td>
<td>The offsite backups will run every day.</td>
</tr>
<tr>
<td>Weekly</td>
<td></td>
<td>The offsite backups will run once a week.</td>
</tr>
</tbody>
</table>

The day of the week when the backup is performed.

### RESPONSE TYPE DESCRIPTION

- **VALID VALUES FOR** RetentionPeriod
- **# OF BACKUPS SAVED WHEN RUN DAILY**
- **# OF BACKUPS SAVED WHEN RUN WEEKLY**
Sites APIs

/v1/sites returns information about Cloud Sites or creates or performs actions on a specific Cloud Sites.

Add a Cloud Site
Delete a Cloud Site
List a Site's Datastores
List a Site's Hosts
List Cloud Sites / Get Information About a Specific Cloud Site
List Cloud Static Route
List Networks Used for Live and Test Failovers
Update a Site's Port

Add a Cloud Site

Request
Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>https://zcm_ip:port/v1/sites</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>zcm_ip</td>
<td></td>
<td>The IP address of the Zerto Cloud Manager where the API is run.</td>
</tr>
<tr>
<td>port</td>
<td></td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
</tbody>
</table>

Request

The following is an example request for a Json body.

```json
[
  {"HostName": "String content"
  "Port": 9989
}
]
```

Response

The response body is empty.

Back to Sites APIs.
Back to List of APIs.
See also Starting and Ending a Session.
Delete a Cloud Site

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELETE</td>
<td>https://zcm_ip:port/v1/sites/{siteidentifier}</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>siteidentifier</td>
<td>Internal identifier for the cloud site.</td>
</tr>
</tbody>
</table>

Request

The request body is empty.

Response

The response body is empty.

Back to Sites APIs

Back to List of APIs

See also Starting and Ending a Session.

List a Site’s Datastores

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/sites/{siteidentifier}/hosts/{hostidentifier}/datastores</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>siteidentifier</td>
<td>Internal identifier for the cloud site.</td>
</tr>
</tbody>
</table>

Request

The request body is empty.
Response

The following is an example json response body.

```json
[
  {
    "DatastoreIdentifier": "datastore-198.96583a98b-750c-4357-a7a4-c43dcd365375",
    "DatastoreName": "BK3BL2-0506_EQL_DS (71.8GB free of 299GB)",
    "IsActive": true
  }
]
```

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DatastoreIdentifier</td>
<td>String</td>
<td>Internal identifier for the datastore.</td>
</tr>
<tr>
<td>DatastoreName</td>
<td>String</td>
<td>Datastore name.</td>
</tr>
<tr>
<td>IsActive</td>
<td>Boolean</td>
<td>Boolean value, indicating whether the datastore is active.</td>
</tr>
</tbody>
</table>

Back to Sites APIs

See also Starting and Ending a Session.

List a Site’s Hosts

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/sites/{siteidentifier}/hosts/{hostidentifier}</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **siteidentifier**: Internal identifier for the cloud site.

Request

The request body is empty.

Response

The following is an example json response body.

```json
[
  {
    "HostIdentifier": "host-10.96583a9b-750c-4357-a7a4-c43dcd365375",
    "HostName": "[Cluster]172.20.999.99"
  }
]
```

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HostIdentifier</td>
<td>string content</td>
<td>Internal identifier for the Host.</td>
</tr>
<tr>
<td>HostName</td>
<td>string content</td>
<td>Host name.</td>
</tr>
</tbody>
</table>

Back to Sites APIs.
List Cloud Sites / Get Information About a Specific Cloud Site

Display a list of all cloud sites by running the following API.

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/sites</td>
</tr>
</tbody>
</table>

Display information about a specific cloud site by its ID by running the following API.

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/sites/{siteidentifier}</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>siteidentifier</td>
<td>Internal identifier for the cloud site.</td>
</tr>
</tbody>
</table>

Request

Response

Request

The request body is empty.
Response

The following is an example response Json body of a list of all cloud sites and, without the array statement, of a specific cloud site.

```json
[{
    "CloudSiteType": "VCenter",
    "ContactInfo": {
        "Email": "null",
        "Phone": "null"
    },
    "HostName": "172.20.184.59",
    "IsConnected": true,
    "IsEditEnabled": true,
    "IsRemoveEnabled": false,
    "Link": {
        "href": "https://172.20.184.51:9989/v1/sites/fceaad70-78a1-40f7-8a01-419fc4766f8c",
        "identifier": "fceaad70-78a1-40f7-8a01-419fc4766f8c",
        "rel": "null",
        "type": "CloudSitesApi"
    },
    "NumberOfZorgs": 2,
    "Port": 9669,
    "SiteIdentifier": "fceaad70-78a1-40f7-8a01-419fc4766f8c",
    "SiteName": "CloudServiceProvider-1-VC",
    "ZcmGui": {
        "GuiHost": "172.20.184.59",
        "GuiPort": 9669,
        "ServerIdentifier": "null",
        "SessionIdentifier": "8UP9VXCXJYXCSLEKJIA97NH68VJATNKM2CYFF6Z2MZTNJ5Y6FBYQ"
    },
    "ZcmVersion": "5.5.0",
    "ZvmConnectionDescription": "Site identifier was changed. Please remove the site and then reconnect to it"
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CloudSiteType</td>
<td>String</td>
<td>Cloud site type - vCenter or vCD.</td>
</tr>
<tr>
<td>ContactInfo</td>
<td>String</td>
<td>User contact information.</td>
</tr>
<tr>
<td>Email</td>
<td>String</td>
<td>User contact email.</td>
</tr>
<tr>
<td>Phone</td>
<td>String</td>
<td>User contact phone number.</td>
</tr>
<tr>
<td>HostName</td>
<td>String</td>
<td>Name of the site host.</td>
</tr>
<tr>
<td>IsConnected</td>
<td>Boolean</td>
<td>Boolean value, indicating whether the site is connected to ZCM.</td>
</tr>
<tr>
<td>IsEditEnabled</td>
<td>Boolean</td>
<td>Boolean value, indicating whether the site parameters can be modified.</td>
</tr>
<tr>
<td>IsRemoveEnabled</td>
<td>Boolean</td>
<td>Boolean value, indicating whether the cam be removed.</td>
</tr>
<tr>
<td>Link</td>
<td></td>
<td>Link information for the URL.</td>
</tr>
<tr>
<td>href</td>
<td>String</td>
<td>URL for API call(s) to the resource.</td>
</tr>
<tr>
<td>identifier</td>
<td>String</td>
<td>The unique internal identifier of the resource.</td>
</tr>
<tr>
<td>rel</td>
<td>String</td>
<td>Next path level for the API relative to the current path.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>API interface type.</td>
</tr>
<tr>
<td>NumberOfZorgs</td>
<td>Integer</td>
<td>Number of ZORGs.</td>
</tr>
<tr>
<td>Port</td>
<td>Integer</td>
<td>Port number.</td>
</tr>
</tbody>
</table>
List Cloud Static Route

**Request**
The request body is empty.

**Response**
The following is an example json response body.

```json
[
    {
        "CloudStaticRouteGroupIdentifier": "String content",
        "CloudStaticRouteGroupName": "String content"
    }
]
```

**PARAMETER** | **TYPE** | **DESCRIPTION**
--- | --- | ---
SiteIdentifier | String | Internal identifier for the site.
SiteName | String | Cloud site name.
ZcmGui | Zerto Cloud Manager User Interface information.
GuiHost | String | The VM hosting ZCM.
GuiPort | Integer | The port to access the ZCM UI. The default port is 9669.
ServerIdentifier | String | Internal identifier for the server hosting ZCM.
SessionIdentifier | String | Internal identifier for the current session.
ZcmVersion | String | Zerto Cloud Manager version.
ZvmConnectionDescription | String | Appears when the site identifier is changed and notifies the user to remove the site and then reconnect it.

Where:

- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **siteidentifier**: Internal identifier for the cloud site.
List Networks Used for Live and Test Failovers

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/sites/{siteidentifier}/hosts/{hostidentifier}/networks</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>zcm_ip</td>
<td>The IP address of the Zerto Cloud Manager where the API is run.</td>
</tr>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>siteidentifier</td>
<td>Internal identifier for the cloud site.</td>
</tr>
<tr>
<td>hostidentifier</td>
<td>The internal identifier of the host.</td>
</tr>
</tbody>
</table>

Request

The request body is empty.

Response

The following is an example response Json body.

```
[{
  "NetworkIdentifier": "network-49.Network.96583a9b-750c-4357-a7a4-c43dcd365375",
  "NetworkName": "Site_184_FOT"
}]
```

<table>
<thead>
<tr>
<th>RESPONSE</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>NetworkIdentifier</td>
<td>String</td>
<td>Internal identifier for the network.</td>
</tr>
<tr>
<td>NetworkName</td>
<td>String</td>
<td>Network name.</td>
</tr>
</tbody>
</table>

Back to Sites APIs
Back to List of APIs
See also Starting and Ending a Session.
Update a Site’s Port

Request

Response

**METHOD**  | **URL**
---|---
PUT | https://zcm_ip:port/v1/sites/{siteidentifier}

Where:

- **zcm_ip** The IP address of the Zerto Cloud Manager where the API is run.
- **port** The port to access the Zerto Cloud Manager. The default port is 9989.
- **siteidentifier** Internal identifier for the cloud site.

Request

The following is an example request Json body.

```
{
    "Port": 9669
}
```

**PARAMETER**  | **TYPE**  | **DESCRIPTION**
---|---|---
Port | Integer | The ZCM site port number.

Response

The response body is empty.

Back to Sites APIs

Back to List of APIs

See also Starting and Ending a Session.

**ZORG APIs**

ZORG APIs return information about ZORGs or perform actions on a specific ZORG.

The following APIs are available:

Create a ZORG
Add Resources to a ZORG
Delete a Resource of a ZORG
Delete a ZORG
Get Information About a Specific ZORG / List All ZORGs
Get Information About a ZORG’s Credentials
Get Information About Permissions Settings of a ZORG
List Available Resources for a ZORG
List Resource Types
List Virtual Site Types
Create a ZORG

Request

```
[{
  "Name": "guy",
  "CrmIdentifier": "221",
  "PreseedFolderName": "zerto-preseed-guy"
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>ZORG name.</td>
</tr>
<tr>
<td>CrmIdentifier</td>
<td>String</td>
<td>An identifier to use to identify the organization in a CRM.</td>
</tr>
<tr>
<td>PreseedFolderName</td>
<td>String</td>
<td>Preseed folder name.</td>
</tr>
</tbody>
</table>

Response

```
{
  "ZorgIdentifier": "7d4865b2-13cc-4ccb-8180-d1bd928faa54"
}
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZorgIdentifier</td>
<td>String</td>
<td>The internal identifier of the ZORG.</td>
</tr>
</tbody>
</table>

Back to List of APIs
Back to ZORG APIs
See also Starting and Ending a Session.
Add Resources to a ZORG

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/resources</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **zorgidentifier**: The identifier of the ZORG to which a resource is added.

**Request**

The following is an example request Json body.

```json
[{
  "Identifier": "urn:vcloud:org:0f36cfaf-c237-4b3e-8d7c-6aca9c8903b0",
  "Type": "VCDOrganization",
  "MaskedName": "",
  "MaxStorageGB": 0,
  "MaxVms": 0
}]
```

**Response**

The following is an example response Json body.

```json
[{
  "CloudSiteName": "String content",
  "Identifier": "String content",
  "Link": {
    "href": "String content",
    "identifier": "String content",
    "rel": "String content",
    "type": "String content"
  },
  "MaskedName": "String content",
  "MaxStorageGB": 0,
  "MaxVms": 0,
  "OwnerVCDOrgName": "String content",
  "ResourceName": "String content",
  "SiteIdentifier": "String content",
  "Type": "String content",
  "VirtualizationSite": "String content"
}]
```
Delete a Resource of a ZORG

**Request**

**Response**

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELETE</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/resources/{resourceIdentifier}</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip** The IP address of the Zerto Cloud Manager where the API is run.
- **port** The port to access the Zerto Cloud Manager. The default port is 9989.
- **zorgidentifier** The identifier of the ZORG to be deleted.
- **resourceidentifier** The Identifier the resource to be deleted.

**Request**

The request body is empty.

**Response**

The response body is empty.

Back to List of APIs
Back to ZORG APIs
Delete a ZORG

Request
Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELETE</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>zorgidentifier</td>
<td>The identifier of the ZORG to be deleted.</td>
</tr>
</tbody>
</table>

Request
The request body is empty.

Response
The response body is empty.

Get Information About a Specific ZORG / List All ZORGs

The response for both APIs is identical.

Request
Response

To get information about a specific ZORG, run the following API.

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}</td>
</tr>
</tbody>
</table>

To retrieve a list of all ZORGs run the following API.

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/zorgs</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>zorgidentifier</td>
<td>The identifier of the ZORG to be deleted.</td>
</tr>
</tbody>
</table>
Zerto Cloud Manager RESTful API - Version 6.5
Zerto Cloud Manager APIs

Request

The request body is empty.

Response

The following is an example response Json body of a list of all ZORGs and, without the array statement, of a single ZORG.

```json
[{
   "CloudSitesCount": 0,
   "CrmIdentifier": "221",
   "CustomerSitesCount": 0,
   "EditEnabled": true,
   "IsHypervisorResourcesAvailable": false,
   "IsVCDResourcesAvailable": false,
   "Link": {
      "href": "https://172.33.84.14:9989/v1/zorgs/190982c0-7f09-4f6a-a04e-faab92b87411",
      "identifier": "190982c0-7f09-4f6a-a04e-faab92b87411",
      "rel": "null",
      "type": "ZorgApi"
   },
   "Name": "guy",
   "Permissions": {
      "CreateOrRemoveProtectionGroup": true,
      "EnableCustomProfile": true,
      "Failover": true,
      "FailoverTest": true,
      "Move": true,
      "VcdVappMaintenanceMode": false
   },
   "PreseedFolderName": "zerto-preseed-guy",
   "RemoveEnabled": true,
   "Resources": {
      "href": "https://172.33.84.14:9989/v1/zorgs/190982c0-7f09-4f6a-a04e-faab92b87411/resources",
      "identifier": "190982c0-7f09-4f6a-a04e-faab92b87411",
      "rel": "null",
      "type": "ResourceApi"
   },
   "ZorgIdentifier": "190982c0-7f09-4f6a-a04e-faab92b87411"
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CloudSitesCount</td>
<td>Number</td>
<td>The total number of sites related to this ZORG.</td>
</tr>
<tr>
<td>CrmIdentifier</td>
<td>String</td>
<td>An identifier used to identify the organization in a CRM.</td>
</tr>
<tr>
<td>CustomerSitesCount</td>
<td>Number</td>
<td>The number of customer sites.</td>
</tr>
<tr>
<td>EditEnabled</td>
<td>Boolean</td>
<td>Indicates whether the ZORG can be edited or not.</td>
</tr>
<tr>
<td>IsHypervisorResourcesAvailable</td>
<td>Boolean</td>
<td>Indicates whether Hypervisor resources can be used be the ZORG.</td>
</tr>
<tr>
<td>IsVCDResourcesAvailable</td>
<td>Boolean</td>
<td>Indicates whether Vcd resources can be used be the ZORG.</td>
</tr>
<tr>
<td>Link</td>
<td></td>
<td>The link details.</td>
</tr>
<tr>
<td>href</td>
<td>String</td>
<td>The URL used to retrieve ZORG information for the ZORG affected by the event.</td>
</tr>
<tr>
<td>identifier</td>
<td>String</td>
<td>The unique internal identifier of the ZORG.</td>
</tr>
<tr>
<td>rel</td>
<td>String</td>
<td>The next path level for the API relative to the current path.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>The API interface service.</td>
</tr>
<tr>
<td>Name</td>
<td>String</td>
<td>ZORG name.</td>
</tr>
<tr>
<td>Permissions</td>
<td></td>
<td>The ZORG permissions.</td>
</tr>
</tbody>
</table>
Get Information About a ZORG's Credentials

Request
Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/credentials</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>zorgidentifier</td>
<td>The identifier of the ZORG.</td>
</tr>
</tbody>
</table>

Request
The request body is empty.

Response
The following is an example response Json body.

```
[
  {
    "Password": null,
    "PasswordExists": true,
    "Username": TenantB
  }
]
```
Get Information About Permissions Settings of a ZORG

Request
Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/permissions</td>
</tr>
</tbody>
</table>

Where:
- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **zorgidentifier**: The identifier of the ZORG to be deleted.

Request
The request body is empty.

Response
The following is an example response JSON body.

```json
[
    {
        "CreateOrRemoveProtectionGroup": true,
        "EnableCustomProfile": true,
        "Failover": true,
        "FailoverTest": true,
        "Move": true,
        "VcdVappMaintenanceMode": false
    }
]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Password</td>
<td>String</td>
<td>For security reasons a null value is returned, whether a password exists or not.</td>
</tr>
<tr>
<td>PasswordExists</td>
<td>Boolean</td>
<td>A Boolean value, (Boolean/Boolean) indicating that a user password for the ZORG exists.</td>
</tr>
<tr>
<td>Username</td>
<td>String</td>
<td>The user’s login name.</td>
</tr>
<tr>
<td>CreateOrRemoveProtectionGroup</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to create or remove a VPG.</td>
</tr>
<tr>
<td>EnableCustomProfile</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to use the custom service profile.</td>
</tr>
<tr>
<td>Failover</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to perform failover.</td>
</tr>
<tr>
<td>FailoverTest</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to perform failover test.</td>
</tr>
<tr>
<td>Move</td>
<td>Boolean</td>
<td></td>
</tr>
<tr>
<td>VcdVappMaintenanceMode</td>
<td>Boolean</td>
<td></td>
</tr>
</tbody>
</table>
List Available Resources for a ZORG

Request
Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/resources?available?virtualizationSite</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **zorgidentifier**: The identifier of the ZORG.
- **Filters**: Filters are optional and any combination of filters is valid. When no filter is specified, all resources are returned. Filters are not case-sensitive.

**Filters**

Filters are optional and any combination of filters is valid. When no filter is specified, all VPGs are returned. Filters are not case-sensitive.

<table>
<thead>
<tr>
<th>FILTER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>virtualizationSite</td>
<td>Type of resource origin. Possible values are: Hypervisor vCD</td>
</tr>
</tbody>
</table>

**Request**

The request body is empty.
Response

The following is an example response Json body for a hypervisor resource.

```json
[{
    "CloudSiteName": "CloudServiceProvider-1-VC",
    "Identifier": "resgroup-418.ab3816ea-7b54-4868-aa66-00840968ff2b",
    "Link": {
        "href": "https://172.20.999.99:9989/v1/resources/datastore-11.ab3816ea-7b54-4868-aa66-00840968ff2c",
        "identifier": "resgroup-418.ab3816ea-7b54-4868-aa66-00840968ff2c",
        "rel": null,
        "type": "ResourceApi"
    },
    "MaskedName": "TenantB-DS",
    "MaxStorageGB": 0,
    "MaxVms": 0,
    "ResourceName": "Cluster:TenantB",
    "SiteIdentifier": "fceaad70-78a1-40f7-8a01-419fc4766f8c",
    "Type": "BackupRepositor",
    "VirtualizationSite": "Hypervisor"
}]
```

The following is an example response Json body for a vCD resource.

```json
[{
    "CloudSiteName": "CloudServiceProvider-1-VC",
    "Identifier": "datastore-11.ab3816ea-7b54-4868-aa66-00840968ff2b",
    "Link": {
        "identifier": "datastore-11.ab3816ea-7b54-4868-aa66-00840968ff2b",
        "rel": null,
        "type": "ResourceApi"
    },
    "MaskedName": "TenantB-DS",
    "MaxStorageGB": 0,
    "MaxVms": 0,
    "OwnerVCDOrgName": null,
    "ResourceName": "BK3BL2-07_COMP_DS",
    "SiteIdentifier": "fceaad70-78a1-40f7-8a01-419fc4766f8c",
    "Type": "VCenterDatastore",
    "VirtualizationSite": "Vcd"
}]
```

The following are response values for both types of resource origin: hypervisor and vCD.

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CloudSiteName</td>
<td>String</td>
<td>Name of the Zerto Virtual Manager site connected to the Zerto Cloud Manager.</td>
</tr>
<tr>
<td>Identifier</td>
<td>String</td>
<td>The unique internal identifier of the available resource.</td>
</tr>
<tr>
<td>Link</td>
<td>String</td>
<td>The details of the link to a specific resource.</td>
</tr>
<tr>
<td>href</td>
<td>String</td>
<td>URL for API call(s) to the resource.</td>
</tr>
<tr>
<td>identifier</td>
<td>String</td>
<td>The unique internal identifier of the resource.</td>
</tr>
<tr>
<td>rel</td>
<td>String</td>
<td>The next path level for the API relative to the current path.</td>
</tr>
<tr>
<td>type</td>
<td>String</td>
<td>The API interface service.</td>
</tr>
<tr>
<td>MaskedName</td>
<td>String</td>
<td>Alternative name for the resource.</td>
</tr>
<tr>
<td>MaxStorageGB</td>
<td>Number</td>
<td>Limit of the specific storage in GB.</td>
</tr>
</tbody>
</table>
**Zerto Cloud Manager RESTful API - Version 6.5**
**Zerto Cloud Manager APIs**

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MaxVms</td>
<td>Number</td>
<td>Max number of virtual machines allowed in the resource pool.</td>
</tr>
<tr>
<td>OwnerVCDOrgName</td>
<td>String</td>
<td>vCD resource name. Appears only if the origin of the source is vCD.</td>
</tr>
<tr>
<td>ResourceName</td>
<td>String</td>
<td>Name of resource that can be attached to the ZORG.</td>
</tr>
<tr>
<td>SiteIdentifier</td>
<td>String</td>
<td>Identifies site to be queried for configured ZORGs. Optional.</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>The type of resource.</td>
</tr>
<tr>
<td>VirtualizationSite</td>
<td>String</td>
<td>The type of the resource origin. Possible values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hypervisor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>vCD</td>
</tr>
</tbody>
</table>

**List Resource Types**

**Request**

**Response**

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>https://zcm_ip:port/v1/zorgs/resources/types</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.

**Request**

The request body is empty.

**Response**

The following is an example response Json body.

```json
[{
    "VCDOrganization",
    "VCDOrganizationVirtualDatacenter",
    "VCenterDatastore",
    "VCenterNetwork",
    "VCenterResourcePool",
    "BackupRepository"
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCDOrganization</td>
<td>The vCD organization?</td>
</tr>
<tr>
<td>VCDOrganizationVirtualDatacenter</td>
<td>The virtual datacenter used by the vCD organization</td>
</tr>
<tr>
<td>VCenterDatastore</td>
<td>The vCenter storage used by the journal for the virtual machines.</td>
</tr>
<tr>
<td>VCenterNetwork</td>
<td>The vCenter networks that connect the protected and recovery sites.</td>
</tr>
</tbody>
</table>
List Virtual Site Types

Request

The request body is empty

Response

The following is an example response Json body for `https://zcm_ip:port/v1/zorgs/resources/virtualsitetypes`.

```json
{
  "VirtualSiteTypes": "Hypervisor"
}
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VirtualSiteTypes</td>
<td>String</td>
<td>The type of virtual site. Possible options: Hypervisor, vCD</td>
</tr>
</tbody>
</table>

Update a Resource or Resources Attached to a ZORG

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td><code>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/resources</code></td>
</tr>
</tbody>
</table>
Where:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identifier</td>
<td>String</td>
<td>The unique internal identifier of the resource.</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>Resource type.</td>
</tr>
<tr>
<td>MaskedName</td>
<td>String</td>
<td>Alternative name for the resource.</td>
</tr>
<tr>
<td>MaxStorageGB</td>
<td>Number</td>
<td>Limit of the specific storage in GB.</td>
</tr>
<tr>
<td>MaxVms</td>
<td>Number</td>
<td>Max number of virtual machines allowed in the resource pool.</td>
</tr>
</tbody>
</table>

**Request**

The following is an example request JSON body.

```json
[
  {
    "Identifier": "urn:vcloud:vdc:8ca32559-fala-486b-8434-069e72f8025b",
    "Type": "VCDOrganizationVirtualDatacenter",
    "MaskedName": "test",
    "MaxStorageGB": 10,
    "MaxVms": 10
  }
]
```

**Response**

The response body is empty.

Back to List of APIs

Back to ZORG APIs

See also Starting and Ending a Session, on page 6.

**Update a ZORG**

**Request**

**Response**

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>zcm_ip</td>
<td>The IP address of the Zerto Cloud Manager where the API is run.</td>
</tr>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>zorgidentifier</td>
<td>The identifier of the ZORG</td>
</tr>
</tbody>
</table>
Request

The following is an example request JSON body.

```
[{
  "Name": "Guy",
  "CrmIdentifier": "221",
  "PreseedFolderName": "zerto-preseed-guy"
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>ZORG name.</td>
</tr>
<tr>
<td>CrmIdentifier</td>
<td>String</td>
<td>An identifier used to identify the organization in a CRM.</td>
</tr>
<tr>
<td>PreseedFolderName</td>
<td>String</td>
<td>Preseed folder name.</td>
</tr>
</tbody>
</table>

Response

The response body is empty.

See also Starting and Ending a Session, on page 6.

Update a ZORG’s Credentials

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/credentials</td>
</tr>
</tbody>
</table>

Where:

<table>
<thead>
<tr>
<th>zcm_ip</th>
<th>The IP address of the Zerto Cloud Manager where the API is run.</th>
</tr>
</thead>
<tbody>
<tr>
<td>port</td>
<td>The port to access the Zerto Cloud Manager. The default port is 9989.</td>
</tr>
<tr>
<td>zorgidentifier</td>
<td>The identifier of the ZORG</td>
</tr>
</tbody>
</table>

Request

The following is an example request JSON body.

```
[{
  "Password": "a",
  "Username": "tom"
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Password</td>
<td>String</td>
<td>The user’s password.</td>
</tr>
<tr>
<td>Username</td>
<td>String</td>
<td>The user’s login name.</td>
</tr>
</tbody>
</table>
Update a ZORG's Permissions

Fill any of the parameters you want to update. Other parameters are optional.

Request

Response

<table>
<thead>
<tr>
<th>METHOD</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td>https://zcm_ip:port/v1/zorgs/{zorgidentifier}/permissions</td>
</tr>
</tbody>
</table>

Where:

- **zcm_ip**: The IP address of the Zerto Cloud Manager where the API is run.
- **port**: The port to access the Zerto Cloud Manager. The default port is 9989.
- **zorgidentifier**: The identifier of the ZORG

Request

The following is an example request Json body.

```json
[{
   "CreateOrRemoveProtectionGroup": false,
   "EnableCustomProfile": false,
   "Failover": false,
   "FailoverTest": false,
   "Move": false,
   "VcdVappMaintenanceMode": false
}]
```

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateOrRemoveProtectionGroup</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to create or remove a VPG.</td>
</tr>
<tr>
<td>EnableCustomProfile</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to use the custom service profile.</td>
</tr>
<tr>
<td>Failover</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to perform failover.</td>
</tr>
<tr>
<td>FailoverTest</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to perform failover test.</td>
</tr>
<tr>
<td>Move</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to perform move operation on VPG.</td>
</tr>
<tr>
<td>VcdVappMaintenanceMode</td>
<td>Boolean</td>
<td>Indicates if ZORG has permission to block vApp operations during VPG test.</td>
</tr>
</tbody>
</table>
Response
The response body is empty.

Back to List of APIs
Back to ZORG APIs
See also Starting and Ending a Session