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## Partition API

Administrator can use this API to create, update, delete, or fetch the partition. In Cisco Unity Connection, you create partitions as a way to group together objects to which callers and users can address messages or place calls while interacting with Connection. One or more partitions can be grouped together as members of a search space, and a partition can be a member of more than one search space. The following types of objects belong to a partition:

- User Templates
- Call Handler Templates
- Contact Templates
- Users with mailboxes (primary extension)
- User alternate extensions
- Contacts (including VPIM contacts)
- System distribution lists
- System call handlers
- Directory handlers
- Interview handlers
- VPIM locations

Extensions must be unique within a partition, although partitions can contain objects that do not have an associated extension (for example, some contacts and system distribution lists). The names of objects do not have to be unique within a partition. Administrator-defined contact phone numbers also do not need to be unique within a partition.

## Listing the Partitions

The following is an example of the GET request that lists all the existing partitions:

```
GET https://<connection-server>/vmrest/partitions
```

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The following is the response from the above \*GET\* request:

```
<Partitions total="2">
  <Partition>
    <URI>/vmrest/partitions/53e16c90-1cc6-4bde-b6c8-77daf1d31d02</URI>
    <ObjectId>53e16c90-1cc6-4bde-b6c8-77daf1d31d02</ObjectId>
    <Name>ucbu-aricent-vm256 Partition</Name>
    <Description>Default Partition</Description>
    <LocationObjectId>6e81cad2-9c0b-42c1-bb6f-4edb38a70cbd</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/6e81cad2-9c0b-42c1-bb6f-4edb38a70cbd</LocationURI>
  </Partition>
  <Partition>
    <URI>/vmrest/partitions/924ee2d5-758b-4ded-8db7-ae7bc11b59b2</URI>
    <ObjectId>924ee2d5-758b-4ded-8db7-ae7bc11b59b2</ObjectId>
    <Name>Taxoma_DefaultPartition</Name>
    <Description>Default Partition for Taxoma</Description>
    <LocationObjectId>6e81cad2-9c0b-42c1-bb6f-4edb38a70cbd</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/6e81cad2-9c0b-42c1-bb6f-4edb38a70cbd</LocationURI>
  </Partition>
</Partitions>
```

Response Code: 200

### JSON Example

The following is an example of the GET command that will list all the partitions:

```
Request URI:
GET https://<connection-server>/vmrest/partitions
Accept: applciation/json
Connection: keep_alive
```

The following is the example of the response from the above \*GET\* request:

```
{
  "@total": "2",
  "Partition": [
    {
      "URI": "/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b",
      "ObjectId": "d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b",
      "Name": "ucbu-aricent-vm259 Partition",
      "Description": "Default Partition",
      "LocationObjectId": "bbf3e6ed-0278-479c-9a6e-2da8756eeb6f",
      "LocationURI": "/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-2da8756eeb6f"
    },
    {
      "URI": "/vmrest/partitions/5c28f078-8142-4844-b3c0-8fddf33639c4",
      "ObjectId": "5c28f078-8142-4844-b3c0-8fddf33639c4",
      "Name": "Taxoma21_Partition_1",
      "LocationObjectId": "bbf3e6ed-0278-479c-9a6e-2da8756eeb6f",
      "LocationURI": "/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-2da8756eeb6f"
    }
  ]
}
```

Response Code: 200

## Viewing a Specific Partition

The following is an example of the GET request that list the detail of a particular partition:

```
GET https://<connection-server>/vmrest/partitions/<PartitionObjectId>
```

The following is the response from the above \*GET\* request:

```
<Partition>
  <LocationObjectId>bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationObjectId>
  <URI>/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</URI>
  <ObjectId>d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</ObjectId>
  <Name>ucbu-aricent-vm259 Partition</Name>
  <Description>Default Partition</Description>
  <LocationObjectId>bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationObjectId>
  <LocationURI>/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-
2da8756eeb6f</LocationURI>
</Partition>
```

Response Code: 200

## JSON Example

The following is an example of the GET command that will get the detail of a particular partition:

```
Request URI:
GET https://<connection-server>/vmrest/partitions/<PartitionObjectId>
Accept: application/json
Connection: keep_alive
```

The following is the example of the response from the above \*GET\* request:

```
{
  "URI": "/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b",
  "ObjectId": "d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b",
  "Name": "ucbu-aricent-vm259 Partition",
  "Description": "Default Partition",
  "LocationObjectId": "bbf3e6ed-0278-479c-9a6e-2da8756eeb6f",
  "LocationURI": "/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-
2da8756eeb6f"
}
```

Response Code: 200

## Creating a Partition

The following is an example of the POST request that creates a partition:

```
POST https://<connection-server>/vmrest/partitions
Request Body:
<Partition>
  <Name>Taxoma_DefaultPartition</Name>
  <Description>Default Partition for Taxoma</Description>
</Partition>
```

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The following is the example of the response from the above \*Post\* request:

Response Code: 201

### JSON Example

The following is an example of the POST command that will create a new partition:

```
Request URI:
POST https://<connection-server>/vmrest/partitions
Accept: application/json
Content_type: application/json
Connection: keep_alive
Request Body:
{
  "Name": "Test",
  "Description": "Test_partition"
}
```

The following is the example of the response from the above \*GET\* request:

Response Code: 201

## Updating a Partition

The following is an example of the PUT request that allows you to update a partition:

```
PUT https://<connection-server>/vmrest/partitions/<PartitionObjectId>
Request Body:
<Partition>
  <Name>Test123</Name>
  <Description>Taxoma Default Partition</Description>
</Partition>
```

Response Code: 204

The output for this request returns the successful response code.

### JSON Example

The following is an example of the PUT command that will update a partition:

```
PUT https://<connection-server>/vmrest/partitions/<PartitionObjectId>
Accept: application/json
Content_type: application/json
Connection: keep_alive
Request Body:
{
  "Name": "Test123",
  "Description": "Hello"
}
```

The following is the example of the response from the above \*PUT \* request:

Response Code: 204

## Deleting a Partition

The following is an example of the DELETE request that deletes a specific partition where you need to mention the partition object ID:

```
DELETE https://<connection-server>/vmrest/partitions/<PartitionObjectId>
```

**Note:** You are not allowed to delete a default search space if a partition is referred in a search space, or referred by a user.

Response Code: 204

The output for this request returns the successful response code.

### JSON Example

The following is an example of the DELETE command that will delete a partition:

```
DELETE https://<connection-server>/vmrest/partitions/<PartitionObjectId>
Accept: application/json
Connection: keep_alive
```

Response Code: 204

## Deleting a Partition Included in Search Scope

Make sure to add the partition to a search space. The following is an example of the DELETE request that deletes a specific partition which is included in a search scope:

```
Delete https://<connection-server>/vmrest/partitions/<PartitionObjectId>
```

Response Code: 204

### JSON Example

The following is an example to delete a partition included in a search scope:

```
Delete https://<connection-server>/vmrest/partitions/<PartitionObjectId>
Accept: application/json
Connection: keep_alive
```

Response Code: 204

## Explanation of Data Fields

Parameter	Operations	Data Type	Comments
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ObjectId	Read Only	String (36)	The primary key for this table. A systemgenerated, globally unique object identifier.
Name	Read/Write	String (50)	The unique text name of this partition. This name is used when displaying entries in the administrative interface. The name can be upto 50 characters long.
Description	Read/Write	String (50)	The description of the partition. If a description is not entered, the partition name is entered.
LocationObjectId	Read Only	String (36)	The unique identifier of the LocationVms on which this partition was created. It is used by networking to determine on which LocationVms the properties of the partition are administered.