

**Links to Other API pages:** [Cisco Unity Connection APIs](#)

<b>CUPI Guide Contents</b>
<a href="#">API Overview</a>
<a href="#">Index of All CUPI Documentation</a>

## Contents

- [1 Port Group Server Settings](#)
  - ◆ [1.1 Adding a SIP Proxy Server to Existing Port Group with SIP Phone Integration](#)
  - ◆ [1.2 Adding a TFTP Server to Existing Port Group with SIP Phone Integration](#)
  - ◆ [1.3 Adding a CCM Server to Existing Port Group with SCCP Phone Integration](#)
  - ◆ [1.4 Listing of Servers Configuration for a Port Group](#)
  - ◆ [1.5 Delete a Port Group Server](#)
  - ◆ [1.6 Explanation of Data Fields](#)

## Port Group Server Settings

Administrator can use this API to create/update/fetch/delete the port group server settings API. Creation/Modification/Deletion of port group servers for PIMG is not supported.

### Adding a SIP Proxy Server to Existing Port Group with SIP Phone Integration

The following are the mandatory fields:

- MediaPortGroupObjectId
- MediaRemoteServiceEnum

If you do not specify the IP address, default value is the loop back IP address.

```
POST https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
Request Body:
<PortGroupServer>
  <MediaRemoteServiceEnum>102</MediaRemoteServiceEnum>
  <MediaPortGroupObjectId>42ef5946-c5f2-4556-9897-
6a4b6e116dfa</MediaPortGroupObjectId>
  <HostOrIPAddress>12.12.12.12</HostOrIPAddress>
  <Port>5060</Port>
  <TlsPort>5061</TlsPort>
  <Precedence>0</Precedence>
</PortGroupServer>
```

The following is the response from the above \*POST\* request and the actual response will depend upon the information given by you:

```
Response Code: 201
/vmrest/portgroupservers/8a009b99-22cf-4305-822d-f5e449a42263
```

### JSON Example:

```
Request URI:
POST https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
Accept: application/json
Content-Type: application/json
Connection: keep-alive
{
  "MediaRemoteServiceEnum": "102",
  "MediaPortGroupObjectId": "42ef5946-c5f2-4556-9897-6a4b6e116dfa",
  "HostOrIPAddress": "12.12.12.12",
  "Port": "5060",
  "TlsPort": "5061",
  "Precedence": "0"
}
```

The following is the response from the above \*POST\* request and the actual response will depend upon the information given by you:

```
Response Code: 201
/vmrest/portgroupservers/8a009b99-22cf-4305-822d-f5e449a42263
```

### Adding a TFTP Server to Existing Port Group with SIP Phone Integration

```
POST https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
Request Body:
<PortGroupServer>
  <MediaRemoteServiceEnum>101</MediaRemoteServiceEnum>
  <MediaPortGroupObjectId>42ef5946-c5f2-4556-9897-6a4b6e116dfa</MediaPortGroupObjectId>
  <HostOrIPAddress>110.110.110.110</HostOrIPAddress>
  <Precedence>0</Precedence>
</PortGroupServer>
```

The following is the response from the above \*POST\* request and the actual response will depend upon the information given by you:

```
Response Code: 204
/vmrest/portgroups/8a009b99-22cf-4305-822d-f5e449a42263
```

### JSON Example:

```
POST https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "MediaRemoteServiceEnum": "101", "MediaPortGroupObjectId": "42ef5946-c5f2-4556-9897-6a4b6e116dfa", "HostOrIPAddress": "110.110.110.110",
  "Precedence": "0"
}
```

The following is the response from the above \*POST\* request and the actual response will depend upon the information given by you:

```
Response Code: 201
```

/vmrest/portgroups/8a009b99-22cf-4305-822d-f5e449a42263

## Adding a CCM Server to Existing Port Group with SCCP Phone Integration

Request URI:

```
POST https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
<PortGroupServer>
  <MediaRemoteServiceEnum>100</MediaRemoteServiceEnum>
  <MediaPortGroupObjectId>42ef5946-c5f2-4556-9897-
6a4b6e116dfa</MediaPortGroupObjectId>
  <HostOrIPAddress>12.12.12.12</HostOrIPAddress>
  <Port>5060</Port>
  <TlsPort>5061</TlsPort>
  <Precedence>0</Precedence>
</PortGroupServer>
```

The following is the response from the above \*POST\* request and the actual response will depend upon the information given by you:

Response Code: 201

/vmrest/portgroups/8a009b99-22cf-4305-822d-f5e449a42263

### JSON Example:

Request URI:

```
POST https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
```

```
{
  "MediaRemoteServiceEnum": "100", "MediaPortGroupObjectId": "42ef5946-c5f2-4556-9897-
6a4b6e116dfa", "HostOrIPAddress": "12.12.12.12",
  "Port": "5060",
  "TlsPort": "5061",
  "Precedence": "0"
}
```

The following is the response from the above \*POST\* request and the actual response will depend upon the information given by you:

Response Code: 201

/vmrest/portgroups/8a009b99-22cf-4305-822d-f5e449a42263

## Listing of Servers Configuration for a Port Group

The following is an example of the GET request that will list all the servers? configuration for a port group:

```
GET https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers
```

The following is the response from the above \*GET\* request and the actual response will depend upon the information given by you:

```
<PortGroupServers total="1">
```

## Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_Port\_Group\_Server\_Settings

```
<PortGroupServer>
  <URI>/vmrest/portgroups/0a7f3c85-e1bd-405e-a0e2-
9926fcdc5a37/portgroupservers/e3e412c3-16fc-4922-b863-c2e365c08350</URI>
  <ObjectId>e3e412c3-16fc-4922-b863-c2e365c08350</ObjectId>
  <MediaRemoteServiceEnum>102</MediaRemoteServiceEnum>
  <MediaPortGroupObjectId>0a7f3c85-e1bd-405e-a0e2-
9926fcdc5a37</MediaPortGroupObjectId>
  <PortGroupURI>/vmrest/portgroups/0a7f3c85-e1bd-405e-a0e2-
9926fcdc5a37</PortGroupURI>
  <HostOrIPAddress>10.76.214.56</HostOrIPAddress>
  <Port>5060</Port>
  <TlsPort>5061</TlsPort>
  <Precedence>0</Precedence>
  <HostOrIPAddressV6/>
</PortGroupServer>
</PortGroupServers>
```

Response Code: 200

### JSON Example:

Request URI:

GET https://<connection-server>/vmrest/portgroups/<PortGroupObjectId>/portgroupservers

Accept: application/json

Connection: keep-alive

The following is the response from the above \*GET\* request and the actual response will depend upon the information given by you:

```
{
  "@total": "1",
  "PortGroupServer":
  {
    "URI": "/vmrest/portgroups/74a008c0-bdc6-4e4b-a304-
8a220a081990/portgroupservers/a05577f7-9769-4216-96d2-f9ea2f1721f7",
    "ObjectId": "a05577f7-9769-4216-96d2-f9ea2f1721f7",
    "MediaRemoteServiceEnum": "102",
    "MediaPortGroupObjectId": "74a008c0-bdc6-4e4b-a304-8a220a081990",
    "PortGroupURI": "/vmrest/portgroups/74a008c0-bdc6-4e4b-a304-8a220a081990",
    "HostOrIPAddress": "10.78.171.145",
    "Port": "5060",
    "TlsPort": "5061",
    "Precedence": "0",
    "HostOrIPAddressV6": ""
  }
}
```

Response Code: 200

### Delete a Port Group Server

The following is an example of the Delete request that will delete the port group server specified by an object ID:

```
DELETE https://<connectionserver>/
vmrest/portgroups/<PortGroupObjectId>/portgroupservers/<PortGroupServerObjectId>
```

Response Code: 204

**JSON Example:**

```
DELETE https://<connectionserver>/
vmrest/portgroups/<PortGroupObjectId>/portgroupservers/<PortGroupServerObjectId
Accept: application/json
Connection: keep-alive
```

Response Code: 204

When a port group is deleted, all ports associated to the port group are also deleted.

**Explanation of Data Fields**

Parameter	Operations	Data Type	Comments
ObjectId	Read Only	String	Object Id of the port group server.
MediaRemoteServiceEnum	Read only	Enum	Values can be: <ul style="list-style-type: none"> <li>• 100 - Cisco Unified Communications Manager server.</li> <li>• 101 - Cisco Unified Communications Manager Trivial File Transfer Protocol service.</li> <li>• 102 - SIP proxy server.</li> <li>• 103 - CCMAXL</li> <li>• 104 - PIMG.</li> </ul>
Precedence	Read/Write	Integer	Specifies order of the servers. The range can be from 0 to 9999.
Port	Read/Write	Integer	Specifies port to be used. The range can vary from 0 to 9999.
TlsPort	Read/Write	Integer	Specifies the Tls port to be used. The range can vary from 0 to 9999.
HostOrIPAddress	Read/Read	String	Specifies the IPV4 address or hostname of the CUCM/ SIP Proxy/ TFTP server.
HostOrIPAddressV6	Read/Write	String	Specifies the IPV6 address or hostname of the CUCM/ SIP Proxy/ TFTP server.
SkinnyStateMachineEnum	Read/Write	Enum	Values can be: <ul style="list-style-type: none"> <li>• 10 - Cisco Unified Communications Manager</li> <li>• 20 - Cisco CallManager Express</li> </ul> This field is valid only for SCCP Integration.