



Multicast

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Resource Summary for Multicast

Resource	URL (BaseURL)	HTTP Method			
		GET	POST	PUT	DELETE
Multicast Bi-dir PIM	/api/v1/mcast/pim	Y	N	Y	Y

Multicast Bi-Directional PIM

History

Release	Modification
IOS XE 3.13	Introduced for the CSR1000V platform
IOS XE 3.14	Introduced for ASR1001-X and ASR1002-X platforms

Properties

Property	Type	Required for POST and PUT	Description
kind	string	Not applicable	Object type
rp-address	string	Optional	Multicast Rendezvous Point (RP) IP address Format: A.B.C.D (IPv4 only) Must configure either rp-address or rp-auto , but cannot include both at the same time.
rp-auto	boolean	Optional	Multicast Rendezvous Point (RP) auto listen
if-list	array	Mandatory	List of L3 interface names. These interfaces will have multi-cast PIM enabled.
if-name	string	Mandatory	(sub-property of if-list) Interface name Example: gigabitethernet3
pim-mode	string	Optional	(sub-property of if-list) Multicast PIM mode Possible values: In current release, only supports "sparse-dense" Default mode: "sparse-dense"

JSON Representation

```
{
  "kind" : "object#mcast-pim",
  "rp-address": "{string}",
  "if-list":
    [
      {
        "if-name": "{string}",
        "pim-mode": "{string}"
      },
    ]
}
```

Modify Multicast PIM

Resource URI

Verb	URI
PUT	/api/v1/mcast/pim

Example

JSON Request

```
PUT /api/v1/mcast/pim
Content-Type: application/json
Accept: application/json
```

```
{
  "rp-address": "10.1.1.1",
  "if-list":
  [
    {
      "if-name": "gigabitEthernet3"
    },
    {
      "if-name": "gigabitEthernet5"
    }
  ]
}
```

JSON Response

```
204 No Content
```

Retrieve Multicast PIM

Resource URI

Verb	URI
GET	/api/v1/mcast/pim

Example

JSON Request

```
GET /api/v1/mcast/pim
Accept: application/json
```

JSON Response

200 OK

Content-Type: application/json

Accept: application/json

```
{
  "kind": "object#mcast-pim"
  "rp-address": "10.1.1.1",
  "if-list":
    [
      {
        "if-name": "gigabitEthernet3",
        "pim-mode": "sparse-dense"
      }
    ]
}
```

Delete Multicast PIM

Resource URI

Verb	URI
DELETE	/api/v1/mcast/pim

Example**JSON Request**

DELETE /api/v1/mcast/pim

JSON Response

204 No Content