



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