

Overview

The LSOAPI project wiki is accessed via the link below. The project description, objectives, documentation and other applicable information is provided on the wiki page. The exception is the API documentation in HTML format, which is hosted in this space. At the time of this writing we are not aware of availability of a web server provided by the Linux Foundation for sharing project documentation in HTML format so are providing the documentation in CableLabs wiki space.

LSOAPI project documentation wiki page: <https://wiki.opnfv.org/Isoapi/documents>

http://isoapi-server

CRUD Instances of MEF Defined Services

POST

POST Create an new EPL instance

×

Create an new EPL instance

- Request
- Response

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "numCustLocations": {
    "required": true,
    "type": "long"
  },
  "custAddressList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "cos": {
    "required": true,
    "type": "long"
  },
  "evcId": {
    "required": true,
    "type": "long"
  }
}
```

Example:

```
{
  "id": "ep1-1",
  "numCustLocations": 2,
  "custAddressList": [
    "1111 MEF Dr, Honolulu HI, USA",
    "2222 UNI Dr, Boston MA, MAS"
  ],
  "uniHostMacList": [
    "00:B0:95:9d:68:16",
    "00:A0:C9:14:C8:29"
  ],
  "uniHostIpList": [
    "192.168.1.10",
    "192.168.1.11"s
  ],
  "cos": "gold",
  "evcId": "evc-1",
}
```

HTTP status code [200](#)

JSON representing created EPL instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "numCustLocations": {
    "required": true,
    "type": "long"
  },
  "custAddressList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "cos": {
    "required": true,
    "type": "long"
  },
  "evcId": {
    "required": true,
    "type": "long"
  }
}
```

Example:

```
{
  "id": "epl-1",
  "numCustLocations": 2,
  "custAddressList": [
    "1111 MEF Dr, Honolulu HI, USA",
    "2222 UNI Dr, Boston MA, MAS"
  ],
  "uniHostMacList": [
    "00:B0:95:9d:68:16",
    "00:A0:C9:14:C8:29"
  ],
  "uniHostIpList": [
    "192.168.1.10",
    "192.168.1.11"s
  ],
  "cos": "gold",
  "evcId": "evc-1",
}
```

[/svcmgr/webapi/svc/epl/{eplid}](#)

PUT

Modify an existing EPL instance

GET

Query an existing EPL instance

DELETE

delete an existing EPL instance

x

PUT [/svcmgr/webapi/svc/epl/{eplid}](#)

Modify an existing EPL instance

- [Request](#)
- [Response](#)

PUT **GET** **DELETE**

URI Parameters

- **eplid**: *required (string)*

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "numCustLocations": {
    "required": true,
    "type": "long"
  },
  "custAddressList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "cos": {
    "required": true,
    "type": "long"
  },
  "evcId": {
    "required": true,
    "type": "long"
  }
}
```

Example:

```
{
  "id": "epl-1",
  "numCustLocations": 2,
  "custAddressList": [
    "1111 MEF Dr, Honolulu HI, USA",
    "2222 UNI Dr, Boston MA, MAS"
  ],
  "uniHostMacList": [
    "00:B0:95:9d:68:16",
    "00:A0:C9:14:C8:29"
  ],
  "uniHostIpList": [
    "192.168.1.10",
    "192.168.1.11"s
  ],
  "cos": "gold",
  "evcId": "evc-1",
}
```

HTTP status code 200

JSON representing modified EPL instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "numCustLocations": {
    "required": true,
    "type": "long"
  },
  "custAddressList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "cos": {
    "required": true,
    "type": "long"
  },
  "evcId": {
    "required": true,
    "type": "long"
  }
}
```

Example:

```
{
  "id": "epl-1",
  "numCustLocations": 2,
  "custAddressList": [
    "1111 MEF Dr, Honolulu HI, USA",
    "2222 UNI Dr, Boston MA, MAS"
  ],
  "uniHostMacList": [
    "00:B0:95:9d:68:16",
    "00:A0:C9:14:C8:29"
  ],
  "uniHostIpList": [
    "192.168.1.10",
    "192.168.1.11"s
  ],
  "cos": "gold",
  "evcId": "evc-1",
}
```

x

GET /svcmgr/webapi/svc/epl/{eplid}

Query an existing EPL instance

- [Request](#)
- [Response](#)

URI Parameters

- **eplid**: *required (string)*

HTTP status code [200](#)

JSON representing the queried EPL instance

Body

Type: **application/json**

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "numCustLocations": {
    "required": true,
    "type": "long"
  },
  "custAddressList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "cos": {
    "required": true,
    "type": "long"
  },
  "evcId": {
    "required": true,
    "type": "long"
  }
}
```

Example:

```
{
  "id": "epl-1",
  "numCustLocations": 2,
  "custAddressList": [
    "1111 MEF Dr, Honolulu HI, USA",
    "2222 UNI Dr, Boston MA, MAS"
  ],
  "uniHostMacList": [
    "00:B0:95:9d:68:16",
    "00:A0:C9:14:C8:29"
  ],
  "uniHostIpList": [
    "192.168.1.10",
    "192.168.1.11"s
  ],
  "cos": "gold",
  "evcId": "evc-1",
}
```

x

DELETE /svcmgr/webapi/svc/epl/{eplid}

delete an existing EPL instance

- [Request](#)
- [Response](#)

URI Parameters

- **eplid**: *required (string)*

HTTP status code [200](#)

JSON representing deleted EPL instance

Body

Type: **application/json**

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "numCustLocations": {
    "required": true,
    "type": "long"
  },
  "custAddressList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniHostIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "cos": {
    "required": true,
    "type": "long"
  },
  "evcId": {
    "required": true,
    "type": "long"
  }
}
```

Example:

```
{
  "id": "epl-1",
  "numCustLocations": 2,
  "custAddressList": [
    "1111 MEF Dr, Honolulu HI, USA",
    "2222 UNI Dr, Boston MA, MAS"
  ],
  "uniHostMacList": [
    "00:B0:95:9d:68:16",
    "00:A0:C9:14:C8:29"
  ],
  "uniHostIpList": [
    "192.168.1.10",
    "192.168.1.11"s
  ],
  "cos": "gold",
  "evcId": "evc-1",
}
```

/svcmgr/webapi/svc/epl/list

GET

Get a list of all EPL instances

GET

Query a list of all existing EPL instances

x

GET /svcmgr/webapi/svc/epl/list

Query a list of all existing EPL instances

CRUD MEF Ethernet Virtual Connection (EVC) Instances

CRUD MEF EVC Instances

/evcmgr/webapi

POST

Create an new EVC instance

POST

x

POST /evcmgr/webapi

Create an new EVC instance

- [Request](#)
- [Response](#)

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "evcType": {
    "required": true,
    "type": "string",
    "enum": [
      "POINT_TO_POINT",
      "MULTIPOINT_TO_MULTIPPOINT",
      "ROOTED_MULTIPPOINT"
    ]
  },
  "maxUnis": {
    "required": true,
    "type": "long"
  },
  "unicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum": [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "multicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum": [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "broadcastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum": [
      "DISCARD",
      "UNCONDITIONAL",

```

```

"CONDITIONAL"
},
"uniIdList": {
  "required": true,
  "type": "array",
  "items": { "type": "string" },
  "uniqueItems": true
},
"uniIpList": {
  "required": true,
  "type": "array",
  "items": { "type": "string" },
  "uniqueItems": true
},
"uniMacList": {
  "required": true,
  "type": "array",
  "items": { "type": "string" },
  "uniqueItems": true
},
"ceVlanIdPreservation": {
  "required": true,
  "type": "boolean"
},
"ceVlanCosPreservation": {
  "required": true,
  "type": "boolean"
},
"cosId": {
  "required": true,
  "type": "string"
},
"evcMaxSvcFrameSize": {
  "required": true,
  "type": "long"
},
"oneWayAvailability": {
  "required": true,
  "type": "double"
},
"oneWayFrameDelay": {
  "required": true,
  "type": "double"
},
"oneWayFrameLossRatio": {
  "required": true,
  "type": "double"
}
}
}

```

Example:

```

{
  "id": "evc-1",
  "evcType": "POINT_TO_POINT",
  "maxUnis": 2,
  "unicastFrameDelivery": "UNCONDITIONAL",
  "multicastFrameDelivery": "UNCONDITIONAL",
  "broadcastFrameDelivery": "UNCONDITIONAL",
  "uniIdList": [
    "UNI-1",
    "UNI-2"
  ],
  "uniIpList": [
    "192.168.1.1",
    "192.168.1.2"
  ],
  "uniMacList": [
    "11:00:11:11:11:11",
    "11:00:22:22:22:22"
  ],
  "ceVlanIdPreservation": true,
  "ceVlanCosPreservation": true,
  "cosId": "gold",
  "evcMaxSvcFrameSize": 1600,
  "oneWayAvailability": .99,
  "oneWayFrameDelay": .32,
  "oneWayFrameLossRatio": .01
}

```

HTTP status code [200](#)

JSON representing created EVC instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "evcType": {
    "required": true,
    "type": "string",
    "enum" : [
      "POINT_TO_POINT",
      "MULTIPOINT_TO_MULTIPPOINT",
      "ROOTED_MULTIPPOINT"
    ]
  },
  "maxUnis": {
    "required": true,
    "type": "long"
  },
  "unicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum" : [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "multicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum" : [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "broadcastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum" : [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "uniIdList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "ceVlanIdPreservation": {
    "required": true,
    "type": "boolean"
  },
  "ceVlanCosPreservation": {
    "required": true,
    "type": "boolean"
  },
  "cosId": {
    "required": true,
    "type": "string"
  }
}
```

```
,
"evcMaxSvcFrameSize": {
  "required": true,
  "type": "long"
},
"oneWayAvailability": {
  "required": true,
  "type": "double"
},
"oneWayFrameDelay": {
  "required": true,
  "type": "double"
},
"oneWayFrameLossRatio": {
  "required": true,
  "type": "double"
}
}
```

Example:

```
{
  "id": "evc-1",
  "evcType": "POINT_TO_POINT",
  "maxUnis": 2,
  "unicastFrameDelivery": "UNCONDITIONAL",
  "multicastFrameDelivery": "UNCONDITIONAL",
  "broadcastFrameDelivery": "UNCONDITIONAL",
  "uniIdList": [
    "UNI-1",
    "UNI-2"
  ],
  "uniIpList": [
    "192.168.1.1",
    "192.168.1.2"
  ],
  "uniMacList": [
    "11:00:11:11:11:11",
    "11:00:22:22:22:22"
  ],
  "ceVlanIdPreservation": true,
  "ceVlanCosPreservation": true,
  "cosId": "gold",
  "evcMaxSvcFrameSize": 1600,
  "oneWayAvailability": .99,
  "oneWayFrameDelay": .32,
  "oneWayFrameLossRatio": .01
}
```

`/evcmgr/webapi/{evcid}`

[PUT](#) [GET](#) [DELETE](#)

PUT	Modify an existing EVC instance
GET	Query an existing EVC instance
DELETE	delete an existing EPL instance

x

[PUT](#) `/evcmgr/webapi/{evcid}`

Modify an existing EVC instance

- [Request](#)
- [Response](#)

URI Parameters

- `evcid`: *required (string)*

Body

Type: `application/json`

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "evcType": {
    "required": true,
```

```
"type": "string",
"enum" : [
"POINT_TO_POINT",
"MULTIPOINT_TO_MULTIPPOINT",
"ROOTED_MULTIPPOINT"
],
},
"maxUnis": {
"required": true,
"type": "long"
},
"unicastFrameDelivery": {
"required": true,
"type": "string",
"enum" : [
"DISCARD",
"UNCONDITIONAL",
"CONDITIONAL"
]
},
"multicastFrameDelivery": {
"required": true,
"type": "string",
"enum" : [
"DISCARD",
"UNCONDITIONAL",
"CONDITIONAL"
]
},
"broadcastFrameDelivery": {
"required": true,
"type": "string",
"enum" : [
"DISCARD",
"UNCONDITIONAL",
"CONDITIONAL"
]
},
},
"uniIdList": {
"required": true,
"type": "array",
"items": { "type" : "string" },
"uniqueItems": true
},
"uniIpList": {
"required": true,
"type": "array",
"items": { "type" : "string" },
"uniqueItems": true
},
"uniMacList": {
"required": true,
"type": "array",
"items": { "type" : "string" },
"uniqueItems": true
},
"ceVlanIdPreservation": {
"required": true,
"type": "boolean"
},
"ceVlanCosPreservation": {
"required": true,
"type": "boolean"
},
"cosId": {
"required": true,
"type": "string"
},
"evcMaxSvcFrameSize": {
"required": true,
"type": "long"
},
"oneWayAvailability": {
"required": true,
"type": "double"
},
"oneWayFrameDelay": {
"required": true,
"type": "double"
},
"oneWayFrameLossRatio": {
"required": true,
"type": "double"
}
```

```
}  
}
```

Example:

```
{  
  "id": "evc-1",  
  "evcType": "POINT_TO_POINT",  
  "maxUnis": 2,  
  "unicastFrameDelivery": "UNCONDITIONAL",  
  "multicastFrameDelivery": "UNCONDITIONAL",  
  "broadcastFrameDelivery": "UNCONDITIONAL",  
  "uniIdList": [  
    "UNI-1",  
    "UNI-2"  
  ],  
  "uniIpList": [  
    "192.168.1.1",  
    "192.168.1.2"  
  ],  
  "uniMacList": [  
    "11:00:11:11:11:11",  
    "11:00:22:22:22:22"  
  ],  
  "ceVlanIdPreservation": true,  
  "ceVlanCosPreservation": true,  
  "cosId": "gold",  
  "evcMaxSvcFrameSize": 1600,  
  "oneWayAvailability": .99,  
  "oneWayFrameDelay": .32,  
  "oneWayFrameLossRatio": .01  
}
```

HTTP status code [200](#)

JSON representing modified EVC instance

Body

Type: application/json

Schema:

```
{  
  "id": {  
    "required": true,  
    "type": "string"  
  },  
  "evcType": {  
    "required": true,  
    "type": "string",  
    "enum": [  
      "POINT_TO_POINT",  
      "MULTIPOINT_TO_MULTIPPOINT",  
      "ROOTED_MULTIPPOINT"  
    ]  
  },  
  "maxUnis": {  
    "required": true,  
    "type": "long"  
  },  
  "unicastFrameDelivery": {  
    "required": true,  
    "type": "string",  
    "enum": [  
      "DISCARD",  
      "UNCONDITIONAL",  
      "CONDITIONAL"  
    ]  
  },  
  "multicastFrameDelivery": {  
    "required": true,  
    "type": "string",  
    "enum": [  
      "DISCARD",  
      "UNCONDITIONAL",  
      "CONDITIONAL"  
    ]  
  },  
  "broadcastFrameDelivery": {  
    "required": true,  
    "type": "string",  
    "enum": [  
      "DISCARD",  
      "UNCONDITIONAL",  
      "CONDITIONAL"  
    ]  
  }  
}
```

```

"enum" : [
"DISCARD",
"UNCONDITIONAL",
"CONDITIONAL"
],
},
"uniIdList": {
"required": true,
"type": "array",
"items": { "type" : "string" },
"uniqueItems": true
},
"uniIpList": {
"required": true,
"type": "array",
"items": { "type" : "string" },
"uniqueItems": true
},
"uniMacList": {
"required": true,
"type": "array",
"items": { "type" : "string" },
"uniqueItems": true
},
"ceVlanIdPreservation": {
"required": true,
"type": "boolean"
},
"ceVlanCosPreservation": {
"required": true,
"type": "boolean"
},
"cosId": {
"required": true,
"type": "string"
},
"evcMaxSvcFrameSize": {
"required": true,
"type": "long"
},
"oneWayAvailability": {
"required": true,
"type": "double"
},
"oneWayFrameDelay": {
"required": true,
"type": "double"
},
"oneWayFrameLossRatio": {
"required": true,
"type": "double"
}
}
}

```

Example:

```

{
  "id": "evc-1",
  "evcType": "POINT_TO_POINT",
  "maxUnis": 2,
  "unicastFrameDelivery": "UNCONDITIONAL",
  "multicastFrameDelivery": "UNCONDITIONAL",
  "broadcastFrameDelivery": "UNCONDITIONAL",
  "uniIdList": [
    "UNI-1",
    "UNI-2"
  ],
  "uniIpList": [
    "192.168.1.1",
    "192.168.1.2"
  ],
  "uniMacList": [
    "11:00:11:11:11:11",
    "11:00:22:22:22:22"
  ],
  "ceVlanIdPreservation": true,
  "ceVlanCosPreservation": true,
  "cosId": "gold",
  "evcMaxSvcFrameSize": 1600,
  "oneWayAvailability": .99,
  "oneWayFrameDelay": .32,
  "oneWayFrameLossRatio": .01
}

```

x

GET /evcmgr/webapi/{evcid}

Query an existing EVC instance

- [Request](#)
- [Response](#)

URI Parameters

- **evcid**: *required (string)*

HTTP status code [200](#)

JSON representing the queried EPL instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "evcType": {
    "required": true,
    "type": "string",
    "enum": [
      "POINT_TO_POINT",
      "MULTIPOINT_TO_MULTIPPOINT",
      "ROOTED_MULTIPPOINT"
    ]
  },
  "maxUnis": {
    "required": true,
    "type": "long"
  },
  "unicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum": [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "multicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum": [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "broadcastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum": [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "uniIdList": {
    "required": true,
    "type": "array",
    "items": { "type": "string" },
    "uniqueItems": true
  },
  "uniIpList": {
    "required": true,
    "type": "array",
    "items": { "type": "string" },
    "uniqueItems": true
  },
}
```

```

"uniMacList": {
  "required": true,
  "type": "array",
  "items": { "type": "string" },
  "uniqueItems": true
},
"ceVlanIdPreservation": {
  "required": true,
  "type": "boolean"
},
"ceVlanCosPreservation": {
  "required": true,
  "type": "boolean"
},
"cosId": {
  "required": true,
  "type": "string"
},
"evcMaxSvcFrameSize": {
  "required": true,
  "type": "long"
},
"oneWayAvailability": {
  "required": true,
  "type": "double"
},
"oneWayFrameDelay": {
  "required": true,
  "type": "double"
},
"oneWayFrameLossRatio": {
  "required": true,
  "type": "double"
}
}

```

Example:

```

{
  "id": "evc-1",
  "evcType": "POINT_TO_POINT",
  "maxUnis": 2,
  "unicastFrameDelivery": "UNCONDITIONAL",
  "multicastFrameDelivery": "UNCONDITIONAL",
  "broadcastFrameDelivery": "UNCONDITIONAL",
  "uniIdList": [
    "UNI-1",
    "UNI-2"
  ],
  "uniIpList": [
    "192.168.1.1",
    "192.168.1.2"
  ],
  "uniMacList": [
    "11:00:11:11:11:11",
    "11:00:22:22:22:22"
  ],
  "ceVlanIdPreservation": true,
  "ceVlanCosPreservation": true,
  "cosId": "gold",
  "evcMaxSvcFrameSize": 1600,
  "oneWayAvailability": .99,
  "oneWayFrameDelay": .32,
  "oneWayFrameLossRatio": .01
}

```

×

DELETE /evcmgr/webapi/{evcid}

delete an existing EPL instance

- [Request](#)
- [Response](#)

URI Parameters

- **evcid**: *required (string)*

HTTP status code [200](#)

JSON representing deleted EVC instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "evcType": {
    "required": true,
    "type": "string",
    "enum" : [
      "POINT_TO_POINT",
      "MULTIPOINT_TO_MULTIPPOINT",
      "ROOTED_MULTIPPOINT"
    ]
  },
  "maxUnis": {
    "required": true,
    "type": "long"
  },
  "unicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum" : [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "multicastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum" : [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "broadcastFrameDelivery": {
    "required": true,
    "type": "string",
    "enum" : [
      "DISCARD",
      "UNCONDITIONAL",
      "CONDITIONAL"
    ]
  },
  "uniIdList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniIpList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "uniMacList": {
    "required": true,
    "type": "array",
    "items": { "type" : "string" },
    "uniqueItems": true
  },
  "ceVlanIdPreservation": {
    "required": true,
    "type": "boolean"
  },
  "ceVlanCosPreservation": {
    "required": true,
    "type": "boolean"
  },
  "cosId": {
    "required": true,
    "type": "string"
  }
}
```

```
},
"evcMaxSvcFrameSize": {
  "required": true,
  "type": "long"
},
"oneWayAvailability": {
  "required": true,
  "type": "double"
},
"oneWayFrameDelay": {
  "required": true,
  "type": "double"
},
"oneWayFrameLossRatio": {
  "required": true,
  "type": "double"
}
}
```

Example:

```
{
  "id": "evc-1",
  "evcType": "POINT_TO_POINT",
  "maxUnis": 2,
  "unicastFrameDelivery": "UNCONDITIONAL",
  "multicastFrameDelivery": "UNCONDITIONAL",
  "broadcastFrameDelivery": "UNCONDITIONAL",
  "uniIdList": [
    "UNI-1",
    "UNI-2"
  ],
  "uniIpList": [
    "192.168.1.1",
    "192.168.1.2"
  ],
  "uniMacList": [
    "11:00:11:11:11:11",
    "11:00:22:22:22:22"
  ],
  "ceVlanIdPreservation": true,
  "ceVlanCosPreservation": true,
  "cosId": "gold",
  "evcMaxSvcFrameSize": 1600,
  "oneWayAvailability": .99,
  "oneWayFrameDelay": .32,
  "oneWayFrameLossRatio": .01
}
```

/evcmgr/webapi/list

GET

Get a list of all EVC instances

GET Query a list of all existing EVC instances

x

GET /evcmgr/webapi/list

Query a list of all existing EVC instances

CRUD MEF Class of Service (CoS) Instances

CRUD MEF CoS Instances

/cosmgr/webapi

POST

POST Create a new COS instance

x

POST /cosmgr/webapi

Create a new COS instance

- [Request](#)
- [Response](#)

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "committedInfoRate": {
    "required": true,
    "type": "long"
  },
  "availability": {
    "required": true,
    "type": "double"
  },
  "frameDelay": {
    "required": true,
    "type": "double"
  },
  "frameLoss": {
    "required": true,
    "type": "double"
  },
  "jitter": {
    "required": true,
    "type": "double"
  }
}
```

Example:

```
{
  "id": "gold",
  "committedInfoRate": 100,
  "availability": 0.99,
  "frameDelay": 17.43,
  "frameLoss": 0.01,
  "jitter": 2.43
}
```

HTTP status code [200](#)

JSON representing created COS instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "committedInfoRate": {
    "required": true,
    "type": "long"
  },
  "availability": {
    "required": true,
    "type": "double"
  },
  "frameDelay": {
    "required": true,
    "type": "double"
  },
  "frameLoss": {
    "required": true,
    "type": "double"
  },
  "jitter": {
    "required": true,
    "type": "double"
  }
}
```

Example:

```
{
  "id": "gold",
  "committedInfoRate": 100,
  "availability": 0.99,
  "frameDelay": 17.43,
  "frameLoss": 0.01,
  "jitter": 2.43
}
```

[/cosmgr/webapi/{cosid}](#)

[PUT](#)
[GET](#)
[DELETE](#)

Modify an existing COS instance
Query an existing COS instance
delete an existing EPL instance

x

[PUT](#) [GET](#) [DELETE](#)

[PUT](#) [/cosmgr/webapi/{cosid}](#)

Modify an existing COS instance

- [Request](#)
- [Response](#)

URI Parameters

- **cosid**: *required (string)*

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "committedInfoRate": {
    "required": true,
    "type": "long"
  },
  "availability": {
    "required": true,
    "type": "double"
  },
  "frameDelay": {
    "required": true,
    "type": "double"
  },
  "frameLoss": {
    "required": true,
    "type": "double"
  },
  "jitter": {
    "required": true,
    "type": "double"
  }
}
```

Example:

```
{
  "id": "gold",
  "committedInfoRate": 100,
  "availability": 0.99,
  "frameDelay": 17.43,
  "frameLoss": 0.01,
  "jitter": 2.43
}
```

HTTP status code [200](#)

JSON representing modified COS instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "committedInfoRate": {
    "required": true,
    "type": "long"
  },
  "availability": {
    "required": true,
    "type": "double"
  },
  "frameDelay": {
    "required": true,
    "type": "double"
  },
  "frameLoss": {
    "required": true,
    "type": "double"
  },
  "jitter": {
    "required": true,
    "type": "double"
  }
}
```

Example:

```
{
  "id": "gold",
  "committedInfoRate": 100,
  "availability": 0.99,
  "frameDelay": 17.43,
  "frameLoss": 0.01,
  "jitter": 2.43
}
```

×

GET /cosmgr/webapi/{cosid}

Query an existing COS instance

- [Request](#)
- [Response](#)

URI Parameters

- **cosid**: *required (string)*

HTTP status code [200](#)

JSON representing the queried EPL instance

Body

Type: **application/json**

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "committedInfoRate": {
    "required": true,
    "type": "long"
  },
  "availability": {
    "required": true,
    "type": "double"
  },
  "frameDelay": {
    "required": true,
    "type": "double"
  },
  "frameLoss": {
    "required": true,
    "type": "double"
  },
  "jitter": {
    "required": true,
    "type": "double"
  }
}
```

Example:

```
{
  "id": "gold",
  "committedInfoRate": 100,
  "availability": 0.99,
  "frameDelay": 17.43,
  "frameLoss": 0.01,
  "jitter": 2.43
}
```

×

DELETE /cosmgr/webapi/{cosid}

delete an existing EPL instance

- [Request](#)
- [Response](#)

URI Parameters

- **cosid**: *required (string)*

HTTP status code [200](#)

JSON representing deleted COS instance

Body

Type: application/json

Schema:

```
{
  "id": {
    "required": true,
    "type": "string"
  },
  "committedInfoRate": {
    "required": true,
    "type": "long"
  },
  "availability": {
    "required": true,
    "type": "double"
  },
  "frameDelay": {
    "required": true,
    "type": "double"
  },
  "frameLoss": {
    "required": true,
    "type": "double"
  },
  "jitter": {
    "required": true,
    "type": "double"
  }
}
```

Example:

```
{
  "id": "gold",
  "committedInfoRate": 100,
  "availability": 0.99,
  "frameDelay": 17.43,
  "frameLoss": 0.01,
  "jitter": 2.43
}
```

/cosmgr/webapi/list

GET

Get a list of all COS instances

GET

Query a list of all existing COS instances

×

GET /cosmgr/webapi/list

Query a list of all existing COS instances

- [CRUD Instances of MEF Defined Services](#)
- [CRUD MEF EVC Instances](#)
- [CRUD MEF CoS Instances](#)