Restful API Basics

- Default port number is 443
- Restful API use JSON over HTTPS

1. Login / Logout

This example uses the default username and password, admin/gtadmin1. Upon successfully logging in the unit will return a Cookie / Session ID. The Session ID must be used as part of all additional commands sent to the unit.

```
POST https://xxx.xxx.xxx.xxx/login

Body Syntax

{"username":"admin","password":"gtadmin1","rememberme":true}
```

Example Session ID:

```
Set-Cookie: session=id=9iNS4gEJc0sQgVPd;path=/
```

Once a session has been established it is controlled by the Key Press Timeout value, 60 to 3600 seconds. The Key Press Timeout value can be modified using the “Edit Chassis Name / Key Press Timeout” option in Section 2. System. The Key Press Timeout may be displayed and reset using the following options.

Display Public Information

```
GET https://xxx.xxx.xxx.xxx/sysInfoPublic
```

Display Key Press Timeout

```
GET https://xxx.xxx.xxx.xxx/active
```

Reset Key Press Timeout (60-3600 seconds)

```
POST https://xxx.xxx.xxx.xxx/ping
```

Logout

```
POST https://xxx.xxx.xxx.xxx/logout
```
2. System

Display System Information

GET https://xxx.xxx.xxx.xxx/sysInfo

Display General System Setting

GET https://xxx.xxx.xxx.xxx/miscCfg

Edit Chassis Name / Key Press Timeout

PUT https://xxx.xxx.xxx.xxx/miscCfg

Body Syntax

{"chassisName":"NewChassisName","keyPressTimeout":"60"}

*Note – Key press timeout range 60-3600 seconds.*

Display Authentication

GET https://xxx.xxx.xxx.xxx/authentication

Enable TACACS

PUT https://xxx.xxx.xxx.xxx/authentication

Body Syntax

{"local":true,"tacacs":{"on":true,"server":"xxx.xxx.xxx.xxx","secret":"abcd1234"}}

Disable TACACS

PUT https://xxx.xxx.xxx.xxx/authentication

Body Syntax

{"local":true,"tacacs":{"on":false,"server":"xxx.xxx.xxx.xxx","secret":"abcd1234"}}

Display Privilege
GET  https://xxx.xxx.xxx.xxx/availablePrivileges

Display Group

GET  https://xxx.xxx.xxx.xxx/groups

Create Group

POST  https://xxx.xxx.xxx.xxx/groupAdd

Body Syntax

{"name":"NewGroup","privileges":["AAA","USR","DTC","DTV","EXC","IPV","LGC","LGV","MIS","PBC","PBV","PTC","PTV","RBT","TPC","TPV","UPG","ADM"]}

*Note - Privileges may be added or removed as desired.*

AAA - authentication, authorization, account
ADM - user administrator
DTC - date, time, ntp configuration
DTV - date, time, ntp view
EXC – export/import
IPC - maintenance network ip configuration
IPV - maintenance network ip view
LGC - syslog,snmp configuration
LGV - syslog, snmp view
MIS – miscellaneous
PBC - packet broker configuration
PBV - packet broker view
PTC - port configuration
PTV - port view
RBT - chassis reboot
TPC - tap config
TPV - tap view
UPG - software field upgrade
USR - account configuration

Modify Group

POST  https://xxx.xxx.xxx.xxx/groupChange

Body Syntax

{"name":"NewGroup","privileges":["MIS","PBC","PBV","PTC"],"oldName":"NewGroup"}

Delete Group

POST  https://xxx.xxx.xxx.xxx/groupDelete
Body Syntax

{"name": "NewGroup"}

**Display User**

GET https://xxx.xxx.xxx.xxx/userAll

**Create User**

POST https://xxx.xxx.xxx.xxx/userAdd

Body Syntax

{"username": "NewUser", "password": "NewUserPW", "group": "NewGroup"}

**Modify User Password**

POST https://xxx.xxx.xxx.xxx/userChange

Body Syntax

{"username": "User123", "password": "NewPW", "group": "Group", "oldUsername": "User123"}

**Delete User**

POST https://xxx.xxx.xxx.xxx/userDelete

Body Syntax

{"username": "NewUser"}

**Display Network Setting**

GET https://xxx.xxx.xxx.xxx/maintNetwork

**Display Date & Time**

GET https://xxx.xxx.xxx.xxx/dateTime

**Display Time Zone**

GET https://xxx.xxx.xxx.xxx/timezones
Enable NTP

PUT https://xxx.xxx.xxx.xxx/DateTime

Body Syntax

{"timeZone":"America/Chicago","ntp":"on":true,"usePool":false,"ipAddress" :"xxx.xxx.xxx.xxx"},"date":"2/10/2021","time":"15:32"}

Disable NTP

PUT https://xxx.xxx.xxx.xxx/DateTime

Body Syntax

{"timeZone":"America/Chicago","ntp":{"on":false,"usePool":false,"ipAddress":"xxx.xxx.xxx.xxx"},"date":"2/10/2021","time":"15:33"}

Set Date/Time Manually

PUT https://xxx.xxx.xxx.xxx/DateTime

Body Syntax

{"timeZone":"America/Chicago","ntp":{"on":false,"usePool":false,"ipAddress":"xxx.xxx.xxx.xxx"},"date":"6/15/2021","time":"12:20"}

Set Network Setting

PUT https://xxx.xxx.xxx.xxx/maintNetwork

Body Syntax

{"dhcp":false,"loadedSslCertUsed":false,"sslCertLoaded":true,"address":"xxx.xxx.xxx.xxx","mask":"255.255.255.0","gateway":"xxx.xxx.xxx.xxx","dns1":"","dns2":""}

Display Syslog

GET https://xxx.xxx.xxx.xxx/syslogCfg
Enable Syslog

PUT https://xxx.xxx.xxx.xxx/syslogCfg

Body Syntax
{"on":true,"useUnitId":false,"unitId":"0","ipAddress":"xxx.xxx.xxx.xxx","protocol":"UDP","port":"514"}

Syslog Test

POST https://xxx.xxx.xxx.xxx/syslogTest

Disable Syslog

PUT https://xxx.xxx.xxx.xxx/syslogCfg

Body Syntax
{"on":false,"useUnitId":false,"unitId":"0","ipAddress":"xxx.xxx.xxx.xxx","protocol":"UDP","port":"514"}

Display SNMP

GET https://xxx.xxx.xxx.xxx/snmpCfg

Enable SNMPv2rw

PUT https://xxx.xxx.xxx.xxx/snmpCfg

Body Syntax
{"on":true,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3user":"user1234","v3authType":"MD5","v3authPass":"auth1234","v3privPass":"priv1234","v3privProt":"DES","communityPassword":"public","mode":"V2rw"}

Enable SNMPv3 MD5/DES

PUT https://xxx.xxx.xxx.xxx/snmpCfg

Body Syntax
{"on":true,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3user":"user1234","v3authType":"MD5","v3authPass":"auth1234","v3privPass":"priv1234","v3privProt":"DES","communityPassword":"public","mode":"V3"}
Enable SNMPv3 SHA/AES

```
PUT https://xxx.xxx.xxx.xxx/snmpCfg

Body Syntax
{"on":true,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3user":"user1234","v3authType":"SHA","v3authPass":"auth1234","v3privPass":"priv1234","v3privProt":"AES","communityPassword":"public","mode":"V3"}
```

SNMP Test

```
POST https://xxx.xxx.xxx.xxx/snmpTest
```

Disable SNMP

```
PUT https://xxx.xxx.xxx.xxx/snmpCfg

Body Syntax
{"on":false,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3user":"user","v3authType":"MD5","v3authPass":"auth1234","v3privPass":"priv1234","v3privProt":"DES","communityPassword":"gtpublic","mode":"V2rw"}
```

Reboot

```
POST https://xxx.xxx.xxx.xxx/reboot
```

3. Set Mode

Bypass

```
PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax
{"mode":"bypass"}
```

Span

```
PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax
```
{"mode":"span1"}

Span (Packet Inject)

PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax

{"mode":"span2"}

Breakout

PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax

{"mode":"breakout"}

Filter

PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax

{"mode":"filter"}

Aggregate

PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax

{"mode":"aggregate"}

Filter Tap

PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax

{"mode":"filtertap"}
Bypass Filter

PUT https://xxx.xxx.xxx.xxx/fourPortMode

Body Syntax

{"mode":"bypassfilter"}

4. Bypass Mode

4.1. Bypass Taps

Display Bypass Taps Options (Heartbeat Setting)

GET https://xxx.xxx.xxx.xxx/gettapoptions

Modify Bypass Taps Options (Heartbeat Setting)

PUT https://xxx.xxx.xxx.xxx/settapoptions

Body Syntax

{"hbPacketWindow":10,"hbPerSecond":10}

Note – No. of Lost Heartbeat Packets, 10-100 / Heartbeats per Second, 10-100.

Display Bypass Tap Configuration

GET https://xxx.xxx.xxx.xxx/tapGet

Modify Tap Configuration

PUT https://xxx.xxx.xxx.xxx/tapPut

Body Syntax

{"gt-taps":[{"forceBypass":"false","forceInline":"false"},{"fosFailMode":"closed","lfpEnable":"true"}]}

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4.2. Port Info

Display Port Configuration

GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration

PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax

{"ports": [{"portNumber":"1","speedSet":"1G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"2","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"3","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"4","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"}]

Note – Whenever modifying a port(s) all ports must be included in the body syntax.

Display Port Availability

GET https://xxx.xxx.xxx.xxx/portAvailability

Display Port Statistics

GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics

PUT https://xxx.xxx.xxx.xxx/portCounterClear

5. Span Mode

5.1. Port Info

Display Port Configuration

GET https://xxx.xxx.xxx.xxx/portConfigGet
Modify Port Configuration

PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax

```
{"ports":[{"portNumber":"1","speedSet":"1G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"2","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"3","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"4","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"}]
```

*Note – Whenever modifying a port(s) all ports must be included in the body syntax.*

Display Port Availability

GET https://xxx.xxx.xxx.xxx/portAvailability

Display Port Statistics

GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics

PUT https://xxx.xxx.xxx.xxx/portCounterClear

6. Span Packet Inject Mode

6.1. Port Info

Display Port Configuration

GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration

PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax

```
{"ports":[{"portNumber":"1","speedSet":"1G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"2","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"3","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"4","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"}]
```
Note – Whenever modifying a port(s) all ports must be included in the body syntax.

Display Port Availability
GET https://xxx.xxx.xxx.xxx/portAvailability

Display Port Statistics
GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics
PUT https://xxx.xxx.xxx.xxx/portCounterClear

7. Breakout Mode
7.1. Port Info
Display Port Configuration
GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration
PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax
{"ports": [{"portNumber": "1", "speedSet": "1G", "mode": "normal", "description": "description", "sfpVendorPn": "", "split": "NO"}, {"portNumber": "2", "speedSet": "10G", "mode": "normal", "description": "description", "sfpVendorPn": "", "split": "NO"}, {"portNumber": "3", "speedSet": "10G", "mode": "normal", "description": "description", "sfpVendorPn": "", "split": "NO"}, {"portNumber": "4", "speedSet": "10G", "mode": "normal", "description": "description", "sfpVendorPn": "", "split": "NO"}]

Note – Whenever modifying a port(s) all ports must be included in the body syntax.

Display Port Availability
GET https://xxx.xxx.xxx.xxx/portAvailability
Display Port Statistics
GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics
PUT https://xxx.xxx.xxx.xxx/portCounterClear

8. Filter Mode
8.1. Packet Broker
Display Packet Broker Configuration
GET https://xxx.xxx.xxx.xxx/pbConfig

Display Filter Template
GET https://xxx.xxx.xxx.xxx/filtTemplates

Create Filter Template
POST https://xxx.xxx.xxx.xxx/filterTemplateAdd

Body Syntax
{"name":"NewFilterTemp","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","innerVlanId":"","outerVlanId":"","dscp":"","ipProtocol":"","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","egressFilterPort":""}

Note – The filter type may be PASSALL, PASSBY or DENBY.

Modify Filter Template
POST https://xxx.xxx.xxx.xxx/filterTemplateChange

Body Syntax
{"name":"NewTemplate","description":"","enabled":true,"filterType":"PASSBY","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","ipProtocol":"","srcIp":"10.10.10.11","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","outerVlanId":"","innerVlanId":"","dscp":"","egressFilterPort":"","oldName":"NewTemplate"}
Delete Filter Template

POST  https://xxx.xxx.xxx.xxx/filterTemplateRemove

Body Syntax

{"name":"NewFilterTemp"}

Display Config Map Counts

GET  https://xxx.xxx.xxx.xxx/configMapCounts

Create Config Map / Ingress Filter

POST  https://xxx.xxx.xxx.xxx/configMapAdd

Body Syntax

{"loadBalanceGroup":{},"configMap":{"ingressPorts":["01"],"egress":{"ports":["02"],"trunkGroup":""},"name":"NewConfigMap","description":"","enabled":true,"ingressFilters":[{"name":"","description":"","enabled":true,"filterType":"PASSALL","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","innerVlanId":"","outerVlanId":"","dscp":"","ipProtocol":"","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","egressFilterPort":""},"egressFilters":{"02":[]}}

Note - Multiple ingress ports, egress ports and ingress filters may be added.

Modify Config Map Priority

POST  https://xxx.xxx.xxx.xxx/configMapPriorityEnableChange

Body Syntax

[{"name":"CM1","enabled":true},{"name":"CM2","enabled":true},{"name":"CM3","enabled":true}]

Note – String the config maps as shown in the above example. The priority is established highest to lowest based on the order listed.

Enable/Disable Config Map

POST  https://xxx.xxx.xxx.xxx/configMapPriorityEnableChange
Body Syntax

["name":"CM1","enabled":true],
{"name":"CM2","enabled":false},
{"name":"CM3","enabled":true}

Note – String the config maps as shown in the above example. Config maps may be enabled or disabled by modifying the “enabled” option true/false, true = enabled, false = disabled.

Delete Config Map

POST https://xxx.xxx.xxx.xxx/configMapRemove

Body Syntax

["CM1","CM2","CM3"]

Note – Identify the config map(s) using the “name”.

Clear Config Map Counters

POST https://xxx.xxx.xxx.xxx/configMapCountsClear

Refresh Config Map Counters

GET https://xxx.xxx.xxx.xxx/configMapCounts

8.2. Port Info

Display Port Configuration

GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration

PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax

{"ports":[
{"portNumber":"1","speedSet":"1G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},
{"portNumber":"2","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},
{"portNumber":"3","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},
{"portNumber":"4","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"}]

Note – Whenever modifying a port(s) all ports must be included in the body syntax.
Display Port Availability
GET https://xxx.xxx.xxx.xxx/portAvailability

Display Port Statistics
GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics
PUT https://xxx.xxx.xxx.xxx/portCounterClear

9. Aggregate Mode
9.1. Port Info
Display Port Configuration
GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration
PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax
{"ports":[{"portNumber":"1","speedSet":"1G","mode":"normal","description":"description"},"sfpVendorPn":"","split":"NO"},{"portNumber":"2","speedSet":"10G","mode":"normal","description":"description"},"sfpVendorPn":"","split":"NO"},{"portNumber":"3","speedSet":"10G","mode":"normal","description":"description"},"sfpVendorPn":"","split":"NO"},{"portNumber":"4","speedSet":"10G","mode":"normal","description":"description"},"sfpVendorPn":"","split":"NO"}]

Note – Whenever modifying a port(s) all ports must be included in the body syntax.

Display Port Availability
GET https://xxx.xxx.xxx.xxx/portAvailability

Display Port Statistics
GET https://xxx.xxx.xxx.xxx/portCounterGet
Clear Port Statistics

PUT https://xxx.xxx.xxx.xxx/portCounterClear

10. Filter Tap Mode

10.1. Packet Broker

Display Packet Broker Configuration

GET https://xxx.xxx.xxx.xxx/pbConfig

Display Filter Template

GET https://xxx.xxx.xxx.xxx/filtTemplates

Create Filter Template

POST https://xxx.xxx.xxx.xxx/filterTemplateAdd

Body Syntax

{"name":"NewFilterTemp","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","innerVlanId":"","outerVlanId":"","dscp":"","ipProtocol":"","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","egressFilterPort":""}

Note – The filter type may be PASSALL, PASSBY or DENBY.

Modify Filter Template

POST https://xxx.xxx.xxx.xxx/filterTemplateChange

Body Syntax

{"name":"NewTemplate","description":"","enabled":true,"filterType":"PASSBY","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","ipProtocol":"","srcIp":"10.10.10.11","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","outerVlanId":"","innerVlanId":"","dscp":"","egressFilterPort":"","oldName":"NewTemplate"}

Delete Filter Template
POST https://xxx.xxx.xxx.xxx/filterTemplateRemove

Body Syntax

{"name":"NewFilterTemp"}

Display Config Map Counts

GET https://xxx.xxx.xxx.xxx/configMapCounts

Create Config Map / Ingress Filter

POST https://xxx.xxx.xxx.xxx/configMapAdd

Body Syntax

{"loadBalanceGroup":{},"configMap":{"ingressPorts":["01"],"egress":{"ports":["03","04"],"trunkGroup":""},"name":"NewConfigMap","description":","enabled":true,"ingressFilters":{"name":","description":","enabled":true,"filterType":"PASSALL","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","innerVlanId":","outerVlanId":","dscp":","ipProtocol":"","l4SrcStartPort":","l4SrcEndPort":","l4DstStartPort":","l4DstEndPort":","egressFilterPort":""},"egressFilters":{"03":[]}}}

Note - In the filter tap mode config maps may be made:
Port 1 to Port 3 and/or Port 4
Port 2 to Port 3 and/or Port 4
Multiple ingress filters may be added

Modify Config Map Priority

POST https://xxx.xxx.xxx.xxx/configMapPriorityEnableChange

Body Syntax

[{"name":"CM1","enabled":true},{"name":"CM2","enabled":true},{"name":"CM3","enabled":true}]

Note – String the config maps as shown in the above example. The priority is established highest to lowest based on the order listed.

Enable/Disable Config Map

POST https://xxx.xxx.xxx.xxx/configMapPriorityEnableChange

Body Syntax

{}
[{"name":"CM1","enabled":true},{"name":"CM2","enabled":false},{"name":"CM3","enabled":true}]

Note – String the config maps as shown in the above example. Config maps may be enabled or disabled by modifying the “enabled” option true/false, true = enabled, false = disabled.

Delete Config Map
POST https://xxx.xxx.xxx.xxx/configMapRemove

Body Syntax
["CM1", "CM2", "CM3"]

Note – Identify the config map(s) using the “name”.

Clear Config Map Counters
POST https://xxx.xxx.xxx.xxx/configMapCountsClear

Refresh Config Map Counters
GET https://xxx.xxx.xxx.xxx/configMapCounts

10.2. Port Info
Display Port Configuration
GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration
PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax
{"ports":[{"portNumber":"1","speedSet":"1G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"2","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"3","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"},{"portNumber":"4","speedSet":"10G","mode":"normal","description":"description","sfpVendorPn":"","split":"NO"}]}

Note – Whenever modifying a port(s) all ports must be included in the body syntax.
GET https://xxx.xxx.xxx.xxx/portAvailability

Display Port Statistics
GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics
PUT https://xxx.xxx.xxx.xxx/portCounterClear

11. Bypass Filter Mode
11.1. Bypass Taps
Display Bypass Taps Options (Heartbeat Setting)
GET https://xxx.xxx.xxx.xxx/gettapoptions

Modify Bypass Taps Options (Heartbeat Setting)
PUT https://xxx.xxx.xxx.xxx/settapoptions
Body Syntax
{"hbPacketWindow":10,"hbPerSecond":10}

Note – No. of Lost Heartbeat Packets, 10-100 / Heartbeats per Second, 10-100.

Display Bypass Tap Configuration
GET https://xxx.xxx.xxx.xxx/tapGet

Modify Tap Configuration
PUT https://xxx.xxx.xxx.xxx/tapPut
Body Syntax
{"gt-taps":[{"forceBypass":"false","forceInline":"false","fosFailMode":"closed","lfpEnable":"true","reverseBypass":"false","tapDescription":","tapElements":[{"description":"element","isGroup":"false","monitorPortsE":[]},{"description":"element","isGroup":"false","monitorPortsI":[]},{"portA":"1","portB":"1"},]}]}}
11.2. Filters

Display Packet Broker Configuration

GET https://xxx.xxx.xxx.xxx/pbConfig

Display Filter Template

GET https://xxx.xxx.xxx.xxx/filtTemplates

Create Filter Template

POST https://xxx.xxx.xxx.xxx/filterTemplateAdd

Body Syntax

{"name":"NewFilterTemp","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","innerVlanId":"","outerVlanId":"","dscp":"","ipProtocol":"","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","egressFilterPort":""}

Note – The filter type may be PASSALL, PASSBY or DENYBY.

Modify Filter Template

POST https://xxx.xxx.xxx.xxx/filterTemplateChange

Body Syntax

{"name":"NewTemplate","description":"","enabled":true,"filterType":"PASSBY","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","ipProtocol":"","srcIp":"10.10.10.11","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","outerVlanId":"","innerVlanId":"","dscp":"","egressFilterPort":"","oldName":"NewTemplate"}

Delete Filter Template

POST https://xxx.xxx.xxx.xxx/filterTemplateRemove
Body Syntax

"name":"NewFilterTemp"

Display Config Map Counts

GET https://xxx.xxx.xxx.xxx/configMapCounts

Create Config Map / Ingress Filter

POST https://xxx.xxx.xxx.xxx/configMapAdd

Body Syntax


Note - In the bypass filter mode config maps may be made:
Port 1 to Port 3
Port 2 to Port 4
Multiple ingress filters may be added

Modify Config Map Priority

POST https://xxx.xxx.xxx.xxx/configMapPriorityEnableChange

Body Syntax

[{"name":"CM1","enabled":true},{"name":"CM2","enabled":true},{"name":"CM3","enabled":true}]

Note – String the config maps as shown in the above example. The priority is established highest to lowest based on the order listed.

Enable/Disable Config Map

POST https://xxx.xxx.xxx.xxx/configMapPriorityEnableChange

Body Syntax

[{"name":"CM1","enabled":true},{"name":"CM2","enabled":false},{"name":"CM3","enabled":true}]
Note – String the config maps as shown in the above example. Config maps may be enabled or disabled by modifying the “enabled” option true/false, true = enabled, false = disabled.

Delete Config Map

POST https://xxx.xxx.xxx.xxx/configMapRemove

Body Syntax

["CM1", "CM2", "CM3"]

Note – Identify the config map(s) using the “name”.

Clear Config Map Counters

POST https://xxx.xxx.xxx.xxx/configMapCountsClear

Refresh Config Map Counters

GET https://xxx.xxx.xxx.xxx/configMapCounts

11.3. Port Info

Display Port Configuration

GET https://xxx.xxx.xxx.xxx/portConfigGet

Modify Port Configuration

PUT https://xxx.xxx.xxx.xxx/portConfigPut

Body Syntax

{"ports": [{"portNumber": "1", "speedSet": "1G", "mode": "normal", "description": "description", "sfpVendorPn": "," , "split": "NO"}, {"portNumber": "2", "speedSet": "10G", "mode": "normal", "description": "description", "sfpVendorPn": "," , "split": "NO"}, {"portNumber": "3", "speedSet": "10G", "mode": "normal", "description": "description", "sfpVendorPn": "," , "split": "NO"}, {"portNumber": "4", "speedSet": "10G", "mode": "normal", "description": "description", "sfpVendorPn": "," , "split": "NO"}]}

Note – Whenever modifying a port(s) all ports must be included in the body syntax.

Display Port Availability

GET https://xxx.xxx.xxx.xxx/portAvailability
Display Port Statistics

GET https://xxx.xxx.xxx.xxx/portCounterGet

Clear Port Statistics

PUT https://xxx.xxx.xxx.xxx/portCounterClear