Restful API Guide

P10GSFPBPFE

08/2024

Release Version: 4.29.12

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Restful API Basics

The restful API supports JSON over HTTPS. The restful API data types supported; GET, POST, and PUT.

This document contains restful API syntax examples that may be used as a reference. The specific restful API syntax may be captured using the GUI under the Developer Tools / Network / Headers and Preview.

Login

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 Example

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

Example Session ID:

```
Set-Cookie: session=id=9iNS4gEJcOsQ9QcgVPd;path=/
```

Note: 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)

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

Body Syntax Example

```
{"chassisName":"System Test","keyPressTimeout":"3000"}
```

Logout

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

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 Example

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

Note: Key press timeout range 60-3600 seconds.

Display Authentication

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

Enable Primary TACACS

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

Body Syntax Example

```
{"local":true,"tacacs":{"on":true,"server":"192.168.1.166","secret":"xyz","timeout":"5
"},"tacacs2":{"on":false,"server":"10.10.10.200","secret":"xyz","timeout":"5"}}
```

Disable Primary TACACS

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

Body Syntax Example

```
{"local":true,"tacacs":{"on":false,"server":"192.168.1.166","secret":"xyz","timeout":"
5"},"tacacs2":{"on":false,"server":"10.10.10.200","secret":"xyz","timeout":"5"}}
```

Enable Secondary TACACS

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

Body Syntax Example

```
{"local":true,"tacacs":{"on":false,"server":"10.10.10.200","secret":"xyz","timeout":"5
"},"tacacs2":{"on":true,"server":"192.168.1.173","secret":"richardson1","timeout":"5"}
}
```

Disable Secondary TACACS

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

Body Syntax Example

```
{"local":true,"tacacs":{"on":false,"server":"10.10.10.200","secret":"xyz","timeout":"5
"},"tacacs2":{"on":false,"server":"192.168.1.173","secret":"richardson1","timeout":"5"
}}
```

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 Example

```
{"name":"NewGroup","privileges":["AAA","USR","DTC","DTV","EXC","IPC","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 Example

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

Delete Group

POST `https://xxx.xxx.xxx.xxx/groupDelete`

Body Syntax Example

```
{“name”:”NewGroup”}
```

Display User

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

Create User

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

Body Syntax Example

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

Change User Password

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

Body Syntax Example

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

Delete User

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

Body Syntax Example

```
{"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 No Authentication

PUT https://xxx.xxx.xxx.xxx/dateTime

Body Syntax Example

```
{"timeZone":"America/Chicago","ntp":{"on":true,"ipAddress":"192.168.1.132","authentica
tion":"none","authSym":{"keynum":"1","keytype":"MD5","key":"key"}},"date":"5/30/2024",
"ntpStatus":"off","time":"10:51"}
```

Enable NTP Authentication

PUT https://xxx.xxx.xxx.xxx/dateTime

Body Syntax Example

```
{"timeZone":"America/Chicago","ntp":{"on":true,"ipAddress":"192.168.1.132","authentica
tion":"symmetric","authSym":{"keynum":"1","keytype":"md5","key":"%M5zLvl6t~/CT\"D<JI3`
"}},"date":"5/30/2024","ntpStatus":"off","time":"10:52"}
```

Disable NTP

PUT https://xxx.xxx.xxx.xxx/dateTime

Body Syntax Example

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

Set Date/Time Manually

PUT https://xxx.xxx.xxx.xxx/dateTime

Body Syntax Example

{"timeZone":"America/Chicago","ntp":{"on":false,"ipAddress":"127.0.0.1","authentication":"none","authSym":{"keynum":"1","keytype":"MD5","key":"key"}},"date":"5/30/2024","ntpStatus":"off","time":"11:26"}

Set Network Setting

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

Body Syntax Example

{"ipv4Enable":true,"loadedSslCertUsed":false,"sslCertLoaded":false,"address":"192.168.1.28/24","mask":"255.255.255.0","gateway":"192.168.1.1","ipv6Enable":false,"ipv6Address":"","ipv6Gateway":"","currentIpv4Address":"192.168.1.28","currentIpv6Address":""}

Display Syslog

GET https://xxx.xxx.xxx.xxx/syslogCfg

Enable Syslog

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

Body Syntax Example

{"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 Example

{"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 Example

```
{"on":true,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3us
er":"user1234","v3authType":"MD5","v3authPass":"auth1234","v3privPass":"priv1234","v3p
rivProt":"DES","communityPassword":"public","mode":"V2rw"}
```

Enable SNMPv3 MD5/DES

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

Body Syntax Example

```
{"on":true,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3us
er":"user1234","v3authType":"MD5","v3authPass":"auth1234","v3privPass":"priv1234","v3p
rivProt":"DES","communityPassword":"public","mode":"V3"}
```

Enable SNMPv3 SHA/AES

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

Body Syntax Example

```
{"on":true,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3us
er":"user1234","v3authType":"SHA","v3authPass":"auth1234","v3privPass":"priv1234","v3p
rivProt":"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 Example

```
{"on":false,"accessPort":"161","trapPort":"162","trapIpAddress":"xxx.xxx.xxx.xxx","v3u
ser":"user","v3authType":"MD5","v3authPass":"auth1234","v3privPass":"prov1234","v3priv
Prot":"DES","communityPassword":"gtpublic","mode":"V2rw"}
```

Reboot

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

Set Mode

Bypass

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

Body Syntax Example

```
{"mode":"bypass"}
```

Span

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

Body Syntax Example

```
{"mode":"span1"}
```

Span (Packet Inject)

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

Body Syntax Example

```
{"mode":"span2"}
```

Breakout

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

Body Syntax Example

```
{"mode":"breakout"}
```

Filter

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

Body Syntax Example

```
{"mode":"filter"}
```

Aggregate

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

Body Syntax Example

```
{"mode":"aggregate"}
```

Filter Tap

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

Body Syntax Example

```
{"mode":"filtertap"}
```

Bypass Filter

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

Body Syntax Example

```
{"mode":"bypassfilter"}
```

Bypass Mode

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 Example

```
{"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 Example

```
{"gt-
taps":[{"forceBypass":"false","forceInline":"false","fosFailMode":"closed","lfpEnable"
:"false","reverseBypass":"false","tapDescription":"","tapElements":[{"description":"el
ement","isGroup":"false","monitorPortsE":[],"monitorPortsI":[],"portA":"1","portB":"1"
},{"description":"element","isGroup":"false","monitorPortsE":[],"monitorPortsI":[],"po
rtA":"3","portB":"4"},{"description":"element","isGroup":"false","monitorPortsE":[],"m
onitorPortsI":[],"portA":"2","portB":"2"}]}]}
```

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"SFP+SR
","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"portNumber":"2","speedSet":"
10G","mode":"normal","description":"port description","sfpVendorPn":"SFP+SR
","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"portNumber":"3","speedSet":"
10G","mode":"normal","description":"port description","sfpVendorPn":"SFP+SR
","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"portNumber":"4","speedSet":"
10G","mode":"normal","description":"port description","sfpVendorPn":"SFP+SR
","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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

Span Mode

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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

Span Packet Inject Mode

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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

Breakout Mode

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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

Filter Mode

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 Example

{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"10.10.10.10","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","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 Example

{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","ipProtocol":"","srcIp":"10.10.10.20","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","l4SrcStartPort":"","l4DstStartPort":"","l4SrcEndPort":"","l4DstEndPort":"","outerVlanId":"","innerVlanId":"","dscp":"","egressFilterPort":"","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","oldName":"Example"}

Delete Filter Template

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

Body Syntax Example

```
{"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 Example

```
{"loadBalanceGroup":{},"configMap":{"ingressPorts":["01"],"egress":{"ports":["02"],"tr
unkGroup":""},"name":"","description":"","enabled":true,"ingressFilters":[{"name":"Exa
mple","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"
ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp"
:"10.10.10.10","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255",
"srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6
Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","innerVlanId":"","outerVlanId":"","dsc
p":"","ipProtocol":"","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4Dst
EndPort":"","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 Example

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

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 Example

```
[{"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 Example

```
["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

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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`

Aggregate Mode

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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

Filter Tap Mode

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 Example

```
{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"10.10.10.10","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","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 Example

```
{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","ipProtocol":"","srcIp":"10.10.10.25","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","l4SrcStartPort":"","l4DstStartPort":"","l4SrcEndPort":"","l4DstEndPort":"","outerVlanId":"","innerVlanId":"","dscp":"","egressFilterPort":"","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","oldName":"Example"}
```

Delete Filter Template

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

Body Syntax Example

```
{"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 Example

```
{"loadBalanceGroup":{},"configMap":{"ingressPorts":["01"],"egress":{"ports":["03"],"trunkGroup":""},"name":"","description":"","enabled":true,"ingressFilters":[{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"10.10.10.10","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","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 Example

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

Note: String the config maps as shown in the above example. Priority is established from highest to lowest based on the order listed.

Enable/Disable Config Map

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

Body Syntax Example

```
[{"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 Example

```
["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

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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`

Bypass Filter Mode

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 Example

```
{"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 Example

```
{"gt-
taps":[{"forceBypass":"true","forceInline":"false","fosFailMode":"closed","lfpEnable":
"false","reverseBypass":"false","tapDescription":"","tapElements":[{"description":"ele
ment","isGroup":"false","monitorPortsE":[],"monitorPortsI":[],"portA":"1","portB":"1"}
,{"description":"element","gElements":[{"portA":"3","portB":"4"}],"groupType":"bypassF
ilter","isGroup":"true"},{"description":"element","isGroup":"false","monitorPortsE":[]
,"monitorPortsI":[],"portA":"2","portB":"2"}]}]}
```

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 Example

{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"10.10.10.10","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","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 Example

{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","ipProtocol":"","srcIp":"10.10.10.20","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","l4SrcStartPort":"","l4DstStartPort":"","l4SrcEndPort":"","l4DstEndPort":"","outerVlanId":"","innerVlanId":"","dscp":"","egressFilterPort":"","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","oldName":"Example"}

Delete Filter Template

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

Body Syntax Example

{"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 Example


```
{"loadBalanceGroup":{},"configMap":{"ingressPorts":["01"],"egress":{"ports":["03"],"trunkGroup":""},"name":"","description":"","enabled":true,"ingressFilters":[{"name":"Example","description":"","enabled":true,"filterType":"PASSBY","srcMac":"","srcMacMask":"ff:ff:ff:ff:ff:ff","dstMac":"","dstMacMask":"ff:ff:ff:ff:ff:ff","etherType":"","srcIp":"10.10.10.10","srcIpMask":"255.255.255.255","dstIp":"","dstIpMask":"255.255.255.255","srcIp6":"","srcIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","dstIp6":"","dstIp6Mask":"FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF.FFFF","innerVlanId":"","outerVlanId":"","dscp":"","ipProtocol":"","l4SrcStartPort":"","l4SrcEndPort":"","l4DstStartPort":"","l4DstEndPort":"","egressFilterPort":""}]},"egressFilters":{"03":[]}}
```


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 Example


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


Note: String the config maps as shown in the above example. Priority is established from highest to lowest based on the order listed.

Enable/Disable Config Map

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

Body Syntax Example


```
[{"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 Example

```
["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`

Display Port Configuration

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

Modify Port Configuration

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

Body Syntax Example

```
{"ports":[{"portNumber":"1","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"2","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"3","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","split":"NO"},{"
portNumber":"4","speedSet":"10G","mode":"normal","description":"port
description","sfpVendorPn":"","vlanIdTagAdd":"0","vlanIdTagStrip":"0","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`