



PacketController API Specification

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PacketController Networks

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Introduction

This document describes the API Interface to the PacketController Product. It describes in detail how to configure the various features of the PacketController product using the API.

Related Firmware Version

Published with PacketController version 7.0.104. The content is in sync with the latest PacketController firmware.

Overview

The API works by allowing a user or application to pass HTTPS requests to the PacketController product. The PacketController answers the request with an XML or Json formatted response.

Support HTTP Method

The APIs can be accessed by HTTPs request (either GET or POST method). The API client can be anything which could perform HTTP request, for instance:

Browser
wget
curl

Support Payload Format

Supported payload formats includes:

- XML
- JSON

The default payload format is XML, but it can be changed in runtime by appending JsonFormat=1 to the HTTP request, for instance:

```
https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getsp&JsonFormat=1
```

URL Format

URL Format is as below:

```
https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getsp&{params}={params}
```

Property	Description
IP	The ip address of PacketController management port.
user	The API user
token	The token for this API user
mod	The module identifier, it includes: qos subscriber report
cmd	The API method
params	The properties of this API method, the format is as below: ¶m1=value1¶m2=value2

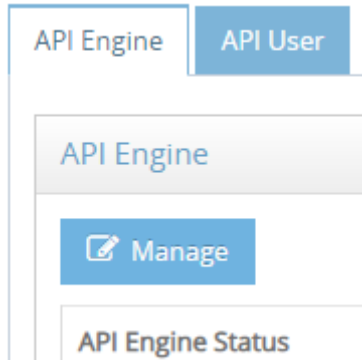
Response Code

For successful API call, the response state is 200 and code is ok.
For failed API call, the response state is 500 and code is error.

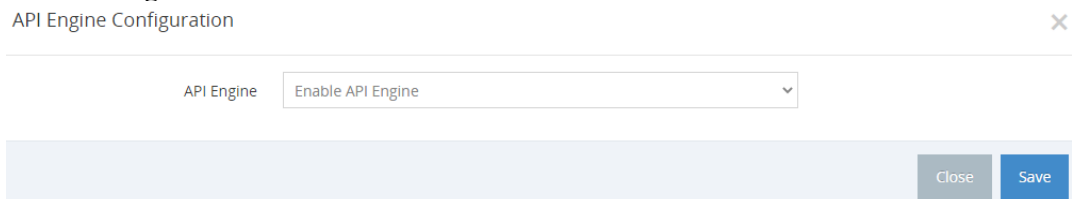
Enable API Engine

The API engine should be enabled before accessing API.

- Navigate to **System->API** and click API Engine tab



- Click **Manage** button

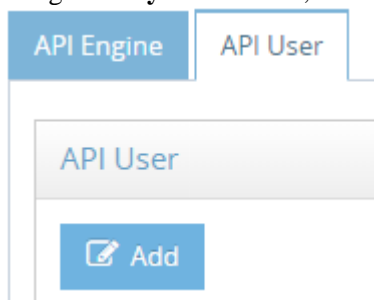


- Select Enable API Engine and click **Save** button

API User Setup

To perform API call, one api user is required to be configured.

- navigate to **System -> API**, click API User Tab and click Add button



- Add API User page will pop up

Add API User ✕

API User

Modules Access

Enable API Log No ▾

Notes

Close
Save

- Input the settings and click Save

Add API User ✕

API User

Modules Access

Enable API Log Yes ▾

Notes

Close
Save

- The api user will be shown

API User	Token	Notes
apiuser	87787fe132e06b75d1001b38532e7ef4e44b8f19	API User for billing

Notes: The token is generated automatically after the api user added. And this token can be regenerated by click icon in Action column.

API User	Token	Notes	Status	Action
apiuser	87787fe132e06b75d1001b38532e7ef4e44b8f19	API User for billing	●	✎ ✖ 🔒 🔄 Regen Token

Settings	Description
API User	The name for this api user
Module Access	The modules access for this api user, it includes: QoS Subscriber Logs & Reports
Enable API Log	Whether to log the operation of this api user
Notes	The notes for this api user

API Logs

The API logs is stored if enabled for API user.

- navigate to **Los & Reports** -> **Audit Log**, click API Log Tab

User	Time	Module	Command	Details
apiuser	2020-12-12 08:30:21	subscriber	getsp	
apiuser	2020-12-12 08:01:05	subscriber	getsp	

- Click icon in Details column

API Details ✕

Log ID	55
API User	apiuser
Time	2020-12-12 08:30:21
Module	subscriber
Command	getsp
Full Command	user=apiuser&token=87787fe132e06b75d1001b38532e7ef4e44b8f19&mod=subscriber&cmd=getsp&name=100Mbps

Close

Commands for Subscriber Module

These are commands of subscriber module. The module identifier is “subscriber” The commands currently supported is.

Command	Description
listsp	The command to return all the service plans
getsp	The command to return one specific service plan
addsp	The command to add one service plan
editsp	The command to edit one specific service plan
delsp	The command to delete one service plan
listtp	The command to return all the time plans
gettp	The command to return one specific time plan
listusergrp	The command to return all the user groups
getusergrp	The command to return one specific user group
addusergrp	The command to add one user group
editusergrp	The command to edit one specific user group
delusergrp	The command to delete one user group
listcontgrp	The command to return all the contention ratio groups
getcontgrp	The command to return one specific contention ratio group
addcontgrp	The command to add one contention ratio group
editcontgrp	The command to edit one specific contention ratio group
delcontgrp	The command to delete one contention ratio group
listsubscriber	The command to return all the subscribers
getsubscriber	The command to return one specific subscriber

addsubscriber	The command to add one subscriber
editsubscriber	The command to edit one subscriber
delsubscriber	The command to delete one subscriber
disablesubscriber	The command to disable one subscriber
enablesubscriber	The command to enable one subscriber
regensubscriber	The command to re-generate the rules of one subscriber
blocksubscriber	The command to block one subscriber
unblocksubscriber	The command to unblock one subscriber
getbwstats	The command to return the real time bandwidth stats of one subscriber
getqstats	The command to return the used bandwidth of one subscriber with quota plan

listsp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=listsp

XML Output

```
<response state="200" code="ok">
<data>
<serviceplan>100Mbps</serviceplan>
<serviceplan>10Mbps</serviceplan>
<serviceplan>1Mbps</serviceplan>
<serviceplan>5Mbps</serviceplan>
</data>
</response>
```

Json Output

```
{
  "serviceplan": [
    "100Mbps",
    "10Mbps",
    "1Mbps",
    "5Mbps"
  ],
  "state": 200,
  "code": "ok"
}
```

getsp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getsp&name={service plan name}

Properties	Description	Type	Values
name	The name of service plan	string	String length is 5-40

addsp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=addsp&name={service plan name}&bwin={The download speed in bps}&bwout={The upload speed in bps}

Properties	Description	Type	Values
name	The name of service plan	string	String length is 5-40
bwin	The download speed and the parameter are bps	Integer	0 - 40000000000
bwout	The upload speed and the parameter are bps	integer	0 - 40000000000

editsp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=editsp&name={service plan name}&bwin={The download speed in bps}&bwout={The upload speed in bps}

Properties	Description	Type	Values
name	The name of existing service plan	string	String length is 5-40
bwin	The download speed and the parameter are bps	Integer	0 - 40000000000
bwout	The upload speed and the parameter are bps	integer	0 - 40000000000

delsp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=delsp&name={service plan name}

Properties	Description	Type	Values
name	The name of existing service plan	string	String length is 5-40

listtp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=listtp

XML Output

```
<response state="200" code="ok">
<data>
<timeplan>newtp1</timeplan>
</data>
</response>
```

Json Output

```
{
  "timeplan": [
    "newtpl"
  ],
  "state": 200,
  "code": "ok"
}
```

gettp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=gettp&name={time plan name}

XML Output

```
<response state="200" code="ok">
<data>
<timeplan>
<id>8</id>
<profile>newtpl</profile>
<times>6:00am, 6:00pm</times>
<actions>1Mbps, 5Mbps</actions>
<days>Sun, Mon, Tue, Wed, Thu, Fri, Sat</days>
</timeplan>
</data>
</response>
```

Json Output

```
{
  "timeplan": {
    "id": "8",
    "profile": "newtpl",
    "times": "6:00am, 6:00pm",
    "actions": "1Mbps, 5Mbps",
    "days": "Sun, Mon, Tue, Wed, Thu, Fri, Sat"
  },
  "state": 200,
  "code": "ok"
}
```

Properties	Description	Type	Values
name	The name of time plan	string	String length is 5-40

listusergrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=listusergrp

XML Output

```
<response state="200" code="ok">
<data>
```

```
<usergrp>statgroup</usergrp>
</data>
</response>
```

Json Output

```
{
  "usergrp": [
    "statgroup"
  ],
  "state": 200,
  "code": "ok"
}
```

getusergrp

API Call

<https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getusergrp&name={user group name}>

XML Output

```
<response state="200" code="ok">
<data>
<usergrp>
<id>45</id>
<name>statgroup</name>
<balanced_group>0</balanced_group>
<ifname>em0</ifname>
<ptype>0</ptype>
<bwprofile>100Mbps</bwprofile>
<time_profiles/>
<notes>notes</notes>
<premium>0</premium>
</usergrp>
</data>
</response>
```

Json Output

```
{
  "usergrp": {
    "id": "45",
    "name": "statgroup",
    "balanced_group": "0",
    "ifname": "em0",
    "ptype": "0",
    "bwprofile": "100Mbps",
    "time_profiles": "",
    "notes": "notes",
    "premium": "0"
  },
  "state": 200,
}
```

```

    "code": "ok"
}

```

Properties	Description	Type	Values
name	The name of user group	string	String length is 5-15

addusergrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=addusergrp&port={The port name}&name={user group name}¬es={The comments}&balanced_group={The flag to indicate whether this user group is balanced}&premium={The flag to indicate whether this user group is premium}&ptype={Its service plan or time plan}&bwprofile={The service plan name}&time_profiles={The time plan name}&burstthresh_in={burstthresh_in}&burstperiod_in={burstperiod_in}&burstthresh_out={burstthresh_out}&burstperiod_out={burstperiod_out}&maxusers={The max. users allowed for this user group}

Properties	Description	Type	Values
port	The external port of bridge	string	it is mandatory, the external port of the bridge can be seen in Network->Port of WUI. Please note if there are multiple bridges, there will be multiple external ports.
name	The name of user group	string	String length is 5-15
notes	The comments	string	It is optional. The valid character length 5-250
balanced_group	Whether this user group is balanced, if yes, all the online/active users in this user group will get equal chunk of bandwidth	integer	It is mandatory 0:not balanced 1:balanced
premium	Whether this user group is premium	integer	It is mandatory 0:no premium 1:premium
ptype	The plan type	integer	It is mandatory 0:service plan 1:time plan
bwprofile	The service plan name	String	It is mandatory if ptype is 0
time_profiles	The time plan name	String	It is mandatory if ptype is 1
burstthresh_in	burstthresh_in	Integer	It is optional
burstperiod_in	burstperiod_in	Integer	It is optional
burstthresh_out	burstthresh_out	Integer	It is optional

burstperiod_out	burstperiod_out	Integer	It is optional
maxusers	The max. users allowed in this user group	Integer	It is mandatory 0:unlimited

editusergrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=editusergrp&name={user group name}¬es={The comments}&balanced_group={The flag to indicate whether this user group is balanced}&premium={The flag to indicate whether this user group is premium}&ptype={Its service plan or time plan}&bwprofile={The service plan name}&time_profiles={The time plan name}&burstthresh_in={burstthresh_in}&burstperiod_in={burstperiod_in}&burstthresh_out={burstthresh_out}&burstperiod_out={burstperiod_out}&maxusers={The max. users allowed for this user group}

Properties	Description	Type	Values
name	The name of user group	string	String length is 5-15
notes	The comments	string	It is optional. The valid character length 5-250
balanced_group	Whether this user group is balanced, if yes, all the online/active users in this user group will get equal chunk of bandwidth	integer	It is mandatory 0:not balanced 1:balanced
premium	Whether this user group is premium	integer	It is mandatory 0:no premium 1:premium
ptype	The plan type	integer	It is mandatory 0:service plan 1:time plan
bwprofile	The service plan name	String	It is mandatory if ptype is 0
time_profiles	The time plan name	String	It is mandatory if ptype is 1
burstthresh_in	burstthresh_in	Integer	It is optional
burstperiod_in	burstperiod_in	Integer	It is optional
burstthresh_out	burstthresh_out	Integer	It is optional
burstperiod_out	burstperiod_out	Integer	It is optional
maxusers	The max. users allowed in this user group	Integer	It is mandatory 0:unlimited

delusergrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=delusergrp&name={user group name}

Properties	Description	Type	Values
name	The name of existing user group	string	String length is 5-15

listcontgrp

API Call

`https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=listcontgrp`

XML Output

```
<response state="200" code="ok">
<data>
<contgrp>content101</contgrp>
<contgrp>content51</contgrp>
</data>
</response>
```

Json Output

```
{
  "contgrp": [
    "content101",
    "content51"
  ],
  "state": 200,
  "code": "ok"
}
```

getcontgrp

API Call

`https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getcontgrp&name={contention ratio group name}`

XML Output

```
<response state="200" code="ok">
<data>
<contgrp>
<id>7</id>
<name>content101</name>
<ratio>10</ratio>
<balanced_group>0</balanced_group>
<ifname>em0</ifname>
<notes>contention1</notes>
<premium>0</premium>
</contgrp>
</data>
</response>
```

Json Output

```
{
  "contgrp": {
    "id": "7",
```

```

        "name": "content101",
        "ratio": "10",
        "balanced_group": "0",
        "ifname": "em0",
        "notes": "contention1",
        "premium": "0"
    },
    "state": 200,
    "code": "ok"
}

```

Properties	Description	Type	Values
name	The name of contention ratio group	string	String length is 5-40

addcontgrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=addcontgrp&port={The port name}&name={contention group name}¬es={The comments}&balanced_group={The flag to indicate whether this contention group is balanced}&premium={The flag to indicate whether this contention group is premium}&ratio={The contention ratio }

Properties	Description	Type	Values
port	The external port of bridge	string	it is mandatory, the external port of the bridge can be seen in Network->Port of WUI. Please note if there are multiple bridges, there will be multiple external ports.
name	The name of contention group	string	String length is 5-15
notes	The comments	string	It is optional. The valid character length 5-250
balanced_group	Whether this contention group is balanced, if yes, all the online/active users in this user group will get equal chunk of bandwidth	integer	It is mandatory 0:not balanced 1:balanced
premium	Whether this contention group is premium	integer	It is mandatory 0:no premium 1:premium
ratio	The contention ratio	integer	It is mandatory

editcontgrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=editcontgrp&name={contention group name}¬es={The comments}&balanced_group={The flag to indicate whether this contention group is balanced}&premium={The flag to indicate whether this contention group is premium}&ratio={The contention ratio }

Properties	Description	Type	Values
name	The name of contention group	string	String length is 5-15
notes	The comments	string	It is optional. The valid character length 5-250
balanced_group	Whether this contention group is balanced, if yes, all the online/active users in this user group will get equal chunk of bandwidth	integer	It is mandatory 0:not balanced 1:balanced
premium	Whether this contention group is premium	integer	It is mandatory 0:no premium 1:premium
ratio	The contention ratio	integer	It is mandatory

delcontgrp

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=delcontgrp&name={contention group name}

Properties	Description	Type	Values
name	The name of existing contention group	string	String length is 5-15

listssubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=listssubscriber

XML Output

```
<response state="200" code="ok">
<data>
<subscriber>demouser</subscriber>
<subscriber>ivanuser</subscriber>
<subscriber>user1</subscriber>
</data>
</response>
```

Json Output

```
{
```

```
    "subscriber": [  
      "demouser",  
      "ivanuser",  
      "user1"  
    ],  
    "state": 200,  
    "code": "ok"  
  }  
}
```

getsubscriber

API Call

<https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getsubscriber&name={subscriber name}>

XML Output

```
<response state="200" code="ok">  
<data>  
<subscriber>  
<id>5</id>  
<name>demouser</name>  
<email>support@packetcontroller.com</email>  
<ptype>0</ptype>  
<plans>100Mbps</plans>  
<gtype>2</gtype>  
<ugroup>content101</ugroup>  
<addr>192.168.0.225</addr>  
<maddr/>  
<vlan/>  
<password>password</password>  
<enabled>1</enabled>  
<premium>0</premium>  
<port>em0</port>  
<tcpopt>0</tcpopt>  
</subscriber>  
</data>  
</response>
```

Json Output

```
{  
  "subscriber": {  
    "id": "5",  
    "name": "demouser",  
    "email": "support@packetcontroller.com",  
    "ptype": "0",  
    "plans": "100Mbps",  
    "gtype": "2",  
    "ugroup": "content101",  
    "addr": "192.168.0.225",  
    "maddr": "",  
    "vlan": "",  
    "password": "password",  
  }  
}
```

```
        "enabled": "1",
        "premium": "0",
        "port": "em0",
        "tcpopt": "0"
    },
    "state": 200,
    "code": "ok"
}
```

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

addsubscriber

API Call

```
https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=addsubscriber&name={
subscriber name}&port={port name}&premium={premium flag}&tcpopt={tcp optimization
flag}&window={The window size}&email={email}&password={password}&ptype={plan
type}&plans={plan}&gtype={group type}&ugroup={user group}&maddr={mac
address}&vlan={vlan id}&addr={ip address}&notes={notes}
```

XML Output

```
<response state="200" code="ok">
<data>
<subscriber>
<id>5</id>
<name>demouser</name>
<email>support@packetcontroller.com</email>
<ptype>0</ptype>
<plans>100Mbps</plans>
<gtype>2</gtype>
<ugroup>content101</ugroup>
<addr>192.168.0.225</addr>
<maddr/>
<vlan/>
<password>password</password>
<enabled>1</enabled>
<premium>0</premium>
<port>em0</port>
<tcpopt>0</tcpopt>
</subscriber>
</data>
</response>
```

Json Output

```
{
  "subscriber": {
    "id": "5",
    "name": "demouser",
    "email": "support@packetcontroller.com",
    "ptype": "0",
    "plans": "100Mbps",
```

```

    "gtype": "2",
    "ugroup": "content101",
    "addr": "192.168.0.225",
    "maddr": "",
    "vlan": "",
    "password": "password",
    "enabled": "1",
    "premium": "0",
    "port": "em0",
    "tcpopt": "0"
  },
  "state": 200,
  "code": "ok"
}

```

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15, it is mandatory The name can only contain alphanumeric characters, underscore and hyphen.
port	The external port of bridge	String	it is mandatory, the external port of the bridge can be seen in Network->Port of WUI. Please note if there are multiple bridges, there will be multiple external ports.
premium	Whether it is premium	String	It is optional Set it to on if it is premium. The format is premium=on
tcpopt	Whether to enable TCP optimization	String	It is optional Set it to on if tcp optimization required. The format is tcpopt=on
window	The window size	Integer	It is optional 0-64000 By default it is 0 and only set to other value after consultation with PacketController support.
email	The primary email account of subscriber	Email	It is optional
password	The password to access subscriber portal	String	It is mandatory. The length is 5-20

ptype	The plan type	Integer	It is mandatory 0:service plan 1:time plan 2:quota plan 3:app plan
plans	The plan	String	It is mandatory Depending on ptype, the actual plan for the subscriber. For instance, if ptype is set to 0, then set one service plan to subscriber. The service plan name list can be retrieved via api getsp
gtype	The group type	Integer	It is mandatory 0:None 1:User group 2:Contention Ratio
ugroup	The group	String	Depending on gtype, the actual group for the subscriber. If gtype is 0, then this field is not required. If gtype is 1, this field is mandatory, the user group name list can be retrieved via api listusergrp. If gtype is 2, this field is mandatory, the contention ratio group name list can be retrieved via api listcontgrp.
maddr	The mac address	Mac address	It is optional The mac address format is in 00:11:22:33:44:55:66
vlan	The vlan ID	Integer	It is optional The vlan id, 2 – 4093 Please note that VLAN must be in 802.1Q format
addr	The ip address	String	It is mandatory Comma-separated ip or subnet list, the following are valid

			10.10.10.2,10.10.10.3 Or 10.10.10.0/24,10.10.1.0/24 Or 10.10.10.1
notes	The comments for this subscriber	String	It is optional. The valid character length 5-250

editsubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=editsubscriber&name={subscriber name}&premium={premium flag}&tcpopt={tcp optimization flag}&window={The window size}&email={email}&password={password}&ptype={plan type}&plans={plan}>ype={group type}&ugroup={user group}&maddr={mac address}&vlan={vlan id}&addr={ip address}¬es={notes}

Properties	Description	Type	Values
name	The name of existing subscriber	string	String length is 5-15, it is mandatory The name can only contain alphanumeric characters, underscore and hyphen.
premium	Whether it is premium	String	It is optional Set it to on if it is premium. The format is premium=on
tcpopt	Whether to enable TCP optimization	String	It is optional Set it to on if tcp optimization required. The format is tcpopt=on
window	The window size	Integer	It is optional 0-64000 By default it is 0 and only set to other value after consultation with PacketController support.
email	The primary email account of subscriber	Email	It is optional
password	The password to access subscriber portal	String	It is mandatory. The length is 5-20
ptype	The plan type	Integer	It is mandatory 0:service plan 1:time plan 2:quota plan 3:app plan

plans	The plan	String	<p>It is mandatory</p> <p>Depending on ptype, the actual plan for the subscriber. For instance, if ptype is set to 0, then set one service plan to subscriber.</p> <p>The service plan name list can be retrieved via api getsp</p>
gtype	The group type	Integer	<p>It is mandatory</p> <p>0:None 1:User group 2:Contention Ratio</p>
ugroup	The group	String	<p>Depending on gtype, the actual group for the subscriber.</p> <p>If gtype is 0, then this field is not required.</p> <p>If gtype is 1, this field is mandatory, the user group name list can be retrieved via api listusergrp.</p> <p>If gtype is 2, this field is mandatory, the contention ratio group name list can be retrieved via api listcontgrp.</p>
maddr	The mac address	Mac address	<p>It is optional</p> <p>The mac address format is in 00:11:22:33:44:55:66</p>
vlan	The vlan ID	Integer	<p>It is optional</p> <p>The vlan id, 2 – 4093</p> <p>Please note that VLAN must be in 802.1Q format</p>
addr	The ip address	String	<p>It is mandatory</p> <p>Comma-separated ip or subnet list, the following are valid</p> <p>10.10.10.2,10.10.10.3</p> <p>Or</p> <p>10.10.10.0/24,10.10.1.0/24</p> <p>Or</p>

			10.10.10.1
notes	The comments for this subscriber	String	It is optional. The valid character length 5-250

delsubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=delsubscriber&name={subscriber name}

XML Output

```
<response state="200" code="ok">
<data>
<message>The subscriber user1 deleted</message>
</data>
</response>
```

Json Output

```
{
  "message": "The subscriber user1 deleted",
  "state": 200,
  "code": "ok"
}
```

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

disablesubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=disablesubscriber&name={subscriber name}

XML Output

```
<response state="200" code="ok">
<data>
<message>The subscriber user1 disabled</message>
</data>
</response>
```

Json Output

```
{
  "message": "The subscriber user1 disabled",
  "state": 200,
  "code": "ok"
}
```

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

enablesubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=enablesubscriber&name={subscriber name}

XML Output

```
<response state="200" code="ok">
<data>
<message>The subscriber user1 enabled</message>
</data>
</response>
```

Json Output

```
{
  "message": "The subscriber user1 enabled",
  "state": 200,
  "code": "ok"
}
```

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

regensubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=regensubscriber&name={subscriber name}

XML Output

```
<response state="200" code="ok">
<data>
<message>The subscriber user1 rule re-generated</message>
</data>
</response>
```

Json Output

```
{
  "message": "The subscriber user1 rule re-generated",
  "state": 200,
  "code": "ok"
}
```

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

blocksubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=blocksubscriber&name={subscriber name}

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

unblocksubscriber

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=unblocksubscriber&name={subscriber name}

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

getbwstats

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getbwstats&name={subscriber name}

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15

The return values include:

bwin: The current download speed in bps

bwout: The current upload speed in bps

packets: The current packets passing through

drops: The current quantity of packet drops

getqstats

API Call

https://{IP}/api?user={user}&token={token}&mod=subscriber&cmd=getqstats&name={subscriber name}&month={The month}

Properties	Description	Type	Values
name	The name of subscriber	string	String length is 5-15
month	The month	String	The format is YYYY-MM, for instance, 2022-02

The return values include:

bwin: The used bytes of bandwidth in download

bwout: The used bytes of bandwidth in upload

bwtot: The total used bytes of bandwidth both in download and upload
