



PacketController Application Plan

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PacketController Network

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Overview

Application plan allows ISP to micro management applications per subscriber. This means you can create a policy defining the management of certain traffic types and apply it on a per user basis. This allows for greater control over subscribers and the traffic they generate.

The example as below:

- 1024Kbps inbound and 1024Kbps outbound
- Among 1024Kbps, 512Kbps for HTTP(s) traffic, no P2P and 512Kbps for other applications
- Block the customized porn websites

The detailed procedures please see the below

Service Plan Creation

- Click Subscriber -> Service Plan and click **Add** Button

Name	Inbound	Outbound	Burst Condition	Action
40Mbps	40000000	40000000		
20Mbps	20000000	20000000		
10Mbps	10000000	10000000		
100Mbps	100000000	100000000		
512Kbps	1024000	1024000		

- Input name and bandwidth inbound/outbound

Add Service Plan

Name	1024Kbps	Priority	Priority: 5 (Normal)
Bandwidth Inbound	1024000	Bandwidth Outbound	1024000
Reserved Bandwidth		Total Bandwidth	No
Burst Inbound		Burst Outbound	
Burst Condition	None	Burst Timeout	
Unburst		PPS Inbound	
PPS Outbound			

Close Save

- Click **Save** button
- Repeat the procedures to add service plan 512Kbps and Block-SP

Notes:

The parameter of bandwidth inbound/outbound is bps.

The Block-SP service plan utilizes the Block (Deny) priority, the screenshot as below:

Add Service Plan ✕

Name	<input type="text" value="BlockSP"/>	Priority	<input type="text" value="Block (Deny)"/>
Bandwidth Inbound	<input type="text"/>	Bandwidth Outbound	<input type="text"/>
Reserved Bandwidth	<input type="text"/>	Total Bandwidth	<input type="text" value="No"/>
Burst Inbound	<input type="text"/>	Burst Outbound	<input type="text"/>
Burst Condition	<input type="text" value="None"/>	Burst Timeout	<input type="text"/>
Unburst	<input type="text"/>	PPS Inbound	<input type="text"/>
PPS Outbound	<input type="text"/>		

Close Save

App Group Creation

- Click DPI -> App Group and click **Add** Button

App Group Configuration

Display records

- Input the name
Add App Group ✕

Name

Close Save

- Click **Save** button

Porn List Creation

- Click DPI -> Web Sites and click **Add** Button

Web Site Configuration

App Group

Display records

- Select pornlist in App Group dropdown and Batch Import in Entity Type, and then upload the cvs file containing the list of porn websites

Add Web Site ✕

App Group

Entry Type

Web Site File
 Drag & Drop Files

- Click **Save** button

Notes:

*The file must be in cvs file extension, for instance, porn.csv
 One website per line and it can contain thousands of websites
 The website should NOT contain HTTP:// or HTTPS:// or www, the good example is facebook.com*

Application Plan Creation

- Click Subscriber -> Application Plan and click **Add** Button

Application Plan

+ Add

Display records Search:

Name	Profile Type	Profile	Action
appplan1	Service Plan	100Mbps	<input type="button" value="edit"/> <input type="button" value="list"/> <input type="button" value="delete"/>

- Input the settings for the application plan as below:

Add Application Plan ✕

Name

Type

Service Plan

Notes: This is to set the overall bandwidth limit for the subscriber and it supports either service plan or time plan.

- Click **Save** button

Application Rule Creation


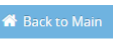
- Click Subscriber -> Application Plan and find the appplan2

Display records

Name	Profile Type	Profile	Action
appplan2	Service Plan	1024Kbps	<input type="button" value="edit"/> <input type="button" value="list"/> <input type="button" value="delete"/>
appplan1	Service Plan	100Mbps	<input type="button" value="edit"/> <input type="button" value="list"/> <input type="button" value="delete"/>

- Click icon  in Action column
- Click **Add** button

Application Rule

Search:

Sequence	Name	App Group	Protocol	Port	Service Plan	Action
----------	------	-----------	----------	------	--------------	--------

- Add httprule as below and click **Save** button

Add Application Rule ✕

Name

App Group

Protocol

Port

Priority

Service Plan

- Add p2prule as below and click **Save** button

Add Application Rule ✕

Name

App Group

Protocol

Port

Priority

Service Plan

- Add pornrule as below and click **Save** button

Add Application Rule ✕

Name

App Group

Protocol

Port

Priority

Service Plan

- Add othersrule as below and click **Save** button

Add Application Rule ✕

Name:

App Group:

Protocol:

Port:

Priority:

Service Plan:

- All the rules shown as below

Sequence	Name	App Group	Protocol	Port	Service Plan	Action
1	httprule		http		512Kbps	  
2	p2prule		p2p			   
3	pornrule	pornlist				   
4	othersrule				512Kbps	  

Notes:

*The othersrule above serves as the default rule.
 The rule has the order (aka sequence) and it will be matched from lower to higher, you could adjust the order of rule by clicking   icons in Action column of each rule.*
















Add Subscriber

- Click Subscriber-> Subscriber, select the port and then click **Add** button

Subscriber

Port:

Display: records Search:

Name	Type	Plan	IP Address	MAC	Notes	Speed	Action
user3	Service Plan	40Mbps	172.16.0.0/24			0 / 0	    
user2	Service Plan	100Mbps	192.168.0.0/24 192.168.1.0/24 192.168.2.0/24 192.168.3.0/24			0 / 0	    
user1	Service Plan	512Kbps	192.168.0.225			0 / 0	    

Showing 1 to 3 of 3 entries Previous Next

- Please fill in the forms of this user as below, select **Application Plan** in Plan Type dropdown and **applan2** in Application Plan dropdown

Add Subscriber ✕

Name Premium TCP Optimization

Email Password

Plan Type Application Plan

Group Type

MAC Address




























VLAN

IP Address

Notes: Select TCP Optimization for subscriber in most case.

- Click **Save** button
- Now the policies for this user has been automatically created, check QoS -> QoS Policy

Display records Search:

ID	Name	IP	Group	App	Service Plan	Speed	Action
40152		10.10.10.8	timeuser			0 / 0	  
40200	appuser				1024Kbps	0 / 0	  
40201		10.10.10.200	appuser	http	512Kbps	0 / 0	  
40202		10.10.10.200	appuser	p2p		0 / 0	  
40203		10.10.10.200	appuser			0 / 0	  
40204		10.10.10.200	appuser		512Kbps	0 / 0	  
40205		10.10.10.201	appuser	http	512Kbps	0 / 0	  
40206		10.10.10.201	appuser	p2p		0 / 0	  
40207		10.10.10.201	appuser			0 / 0	  
40208		10.10.10.201	appuser		512Kbps	0 / 0	