

# PacketController Quota Subscriber

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**PacketController Network** 

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#### Overview

Most mobile contracts have a monthly data quota, limiting the amount you can download over the connection without incurring additional charges. The speed of subscriber is controlled by the by the amount of data utilized.

PacketController provides a very comprehensive Quota Management feature, we are going to illustrate how to achieve the following scenario in this document.

- Subscriber has 40GB monthly quota
- The daily usage is limited to 2GB and if it's over 2GB, the internet session is cut off.

Monthly usage	Speed
<30GB	4Mbps
>30GB and <35GB	3Mbps
>35GB and <39GB	2Mbps
>39GB and <40GB	1Mbps
>40GB	Block Internet Access

The detailed procedures please see the below

### **Add Service Plans**

🕀 Add							
Show 10 💙 entrie	s						Sea
Name	÷	Inbound		Outbound	Burst	Condition	Act
P-4Mbps		4000000		4000000			[4
P-3Mbps		3000000		3000000			
P-2Mbps		2000000		2000000			
P-1Mbps		1024000		1024000			6
Input name and ba			itbou				
Name	P-1Mb	ps		Prior	ity	Priority: 5 (Normal)	
Bandwidth Inbound	10240	00		Bandwidth Outbou	nd	1024000	
Reserved Bandwidth	0			Total Bandwid	dth	No	
Burst Inbound	0			Burst Outbou	nd	0	
Burst Condition	None	~		Burst Timeo	out	0	
	0			PPS Inbou	nd	0	

• Repeat the procedures to add service plan P-2Mbps, P-3Mbps and P-4Mbps

#### Notes:

## The parameter of bandwidth inbound/outbound is bps.

There is built-in Block-SP which is to cut off internet session.

### Add Quota Plan

•	Click Su	bscriber -> Quot	ta Plan and	click Add Bu	itton

Quota Plan					
🗄 Add					
Display 10 🗸 record	Is			Search:	
Name Direction	Daily Quota	Monthly Quota 1	Monthly Quota 2	Monthly Quota 3	Action
Input the settings	for the quota as	below:			
Name	40GB-Quota		Direction	Combined	
Notify	Yes	~	Notes		
Billing Cycle Day	1	~	Default Service Plan	P-4Mbps	
Daily Quota (GB)	2		Daily Service Plan	Block-SP	
Month Quota (GB)	40		OverQuota Plan	Block-SP	
Month Quota 1 (GB)	30		Service Plan 1	P-3Mbps	
Month Quota 2 (GB)	35		Service Plan 2	P-2Mbps	
Month Quota 3 (GB)	39		Service Plan 3	P-1Mbps	
Exclusion Days					Select All 🗌
Lower Hour	None	~	Upper Hour	None	

#### • Click Save button

Settings	Description				
Name	The quota name, its length should be in range 5-15				
Direction	The direction is to calculate the bandwidth usage based on				
	direction.				
	The options as below:				
	Combined: both download and upload				
	Download: download only				
	Upload: upload only				
	In most installation, Combined is used.				
Notify	Whether to enable mail notification sent to the customer, if				
	mail settings and subscriber mail set.				
	The following events would trigger the notification.				
	<ul> <li>Daily overquota</li> </ul>				
	<ul> <li>Monthly overquota</li> </ul>				
	<ul> <li>Monthly1 overquota</li> </ul>				
	<ul> <li>Monthly 2 overquota</li> </ul>				
	<ul> <li>Monthly 3 overquota</li> </ul>				
	Please refer settings below.				
Notes	The notes of quota and this setting is optional				
Billing Cycle Day	The day of month of the billing cycle.				
	For instance, if set to 1, it means the quota will be reset at				
	0:00 of first day on every month.				

Default Service Plan	The service plan to use when the quota starts.
Daily Quota (GB)	The daily bandwidth usage threshold, this setting is to prevent
Daily Quota (OB)	the abusive usage for subscribers with quota plans.
Daily Samiaa Dlan	The service plan to use when daily quota exceeds, in most
Daily Service Plan	installation, Block-SP can be used to block the internet
	session.
Month Quota (GB)	The monthly bandwidth usage threshold, when month quota
	exceeds, the status is set to monthly overquota.
OverQuota Plan	The service plan to use when month quota exceeds, in most
	installation, Block-SP can be used to block the internet
	session.
Month Quota 1 (GB)	The month quota 1 threshold, please note that month quota
	1/2/3 are used to switch the speed based on the bandwidth
	usage WHEN month quota NOT exceeds.
	The entire point of month quota $1/2/3$ is to prevent the abusive
	usage.
	Month quota 1 are mandatory and month quota 2/3 are
	optional.
	Please note that PacketController quota system checks the
	quota usage by the following order:
	Month Quota
	Month Quota 3
	Month Quota 2
	Month Quota 1
	So make must that Marth Quete & Marth Quete 2 & Marth
	So, make sure that Month Quota $>$ Month Quota $3 >$ Month Quota $2 >$ Month Quota $1$ in the exemple of this document.
	Quota $2 > Month Quota 1$ , in the example of this document:
	Month Quota: 40GB
	Month Quota 3: 39GB
	Month Quota 2: 35GB
Service Plan 1	Month Quota 1: 30GB
Service Plan I	The service plan to use when month quota 1 threshold
Month Quete 2 (CD)	exceeds.
Month Quota 2 (GB)	The month quota 2 threshold
Service Plan 2	The service plan to use when month quota 2 threshold
Manth Quata 2 (CD)	exceeds.
Month Quota 3 (GB)	The month quota 3 threshold
Service Plan 3	The service plan to use when month quota 3 threshold exceeds.
Evolusion Dava	
Exclusion Days	The Exclusion days/Lower Hour/Upper Hour is to exclude the
Lower Hour	bandwidth usage counted on days/time.
Upper Hour	This feature is to set the free zone for the subscribers with
	quota plans.
	For instance, you could get subscribers to use her duild for
	For instance, you could set subscribers to use bandwidth for
	free 8pm – 10pm on the weekends.

## Add Subscriber

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

Subscriber		
Port em0 🗸	🗄 Add	🖩 Configured BW
Show 10 💙	entries	

• Please fill in the forms of this user as below, select **Quota Plan** in Plan Type dropdown and **40GB-Quota** in Service Plan dropdown

	Name	quota-user	Premium DTCP	Opt. 🗹 Window 0
	Notes			
	Email		Password	password
	Plan Type	Quota Plan 🗸 🗸	Quota Plan	40GB-Quota
C	Group Type	None 🗸		
M	AC Address		VLAN	
	IP Address	192.168.0.220		

- Notes: Select TCP Opt for subscriber in most case.
- Click **Save** button

#### **Quota Stats**

You can review the subscriber statistics by clicking Log & Report-> Quota. You can check the Quota status of the subscribers as well as their actual data usage.

All Users        2022-07            Show         10    entries								
User 0	Quota Plan	Quota Direction	Status	Actual Usage	Month Allowance	Торир	Action	
demouser170		Combined	Over Quota	0	GB	OGB		
glennbox		Combined	Over Quota	0	GB	OGB	ai.	
quota-user	3G-Quota	Combined	Under Quota	147.1MB	3GB	1GB	<u>an</u>	

