

PacketController Contention Ratio

Version: 7.0

Updated: Dec. 2020

PacketController Network

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Table of Contents

Overview	∠
Service Plan Creation	4
Contention Ratio Creation	
Add Subscriber	

Overview

Contention ratio is actually dynamic bandwidth pool shared by the subscribers. The details of contention ratio please refer to http://en.wikipedia.org/wiki/Contention ratio

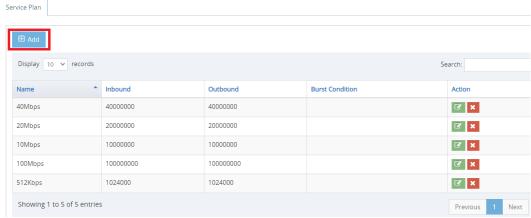
One example as below

- The contention ratio is 4:1
- Add the first subscriber with 1Mbps service plan to this contention ratio group, the contention group bandwidth pool is 1Mbps/4 = 256Kbps
- Add the 2rd subscriber with 21bps service plan to this contention ratio group, the contention group bandwidth pool is 256Kbps + 1Mbps/4 = 512Kbps
- Add the 3rd subscriber with 1Mbps service plan, the contention group bandwidth pool is 768Kbps
- The procedure repeats itself, if you add 4 subscribers with 1Mbps service plan, the contention group bandwidth pool is 1Mbps.
- The point is that the bandwidth pool is dynamic when you add subscriber to contention ratio group.

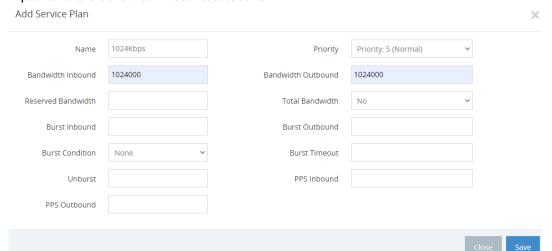
The detailed procedures please see the below

Service Plan Creation

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



Input name and bandwidth inbound/outbound

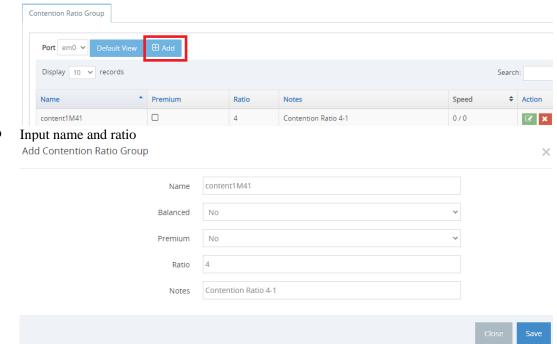


Click Save button

Notes: The parameter of bandwidth inbound/outbound is bps.

Contention Ratio Creation

Click Subscriber -> Contention Ratio and click Add Button

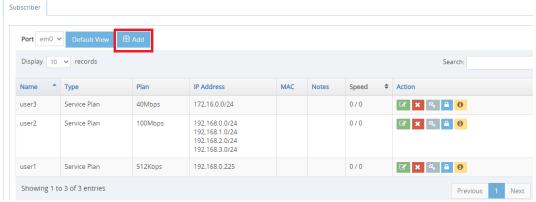


• Click Save button

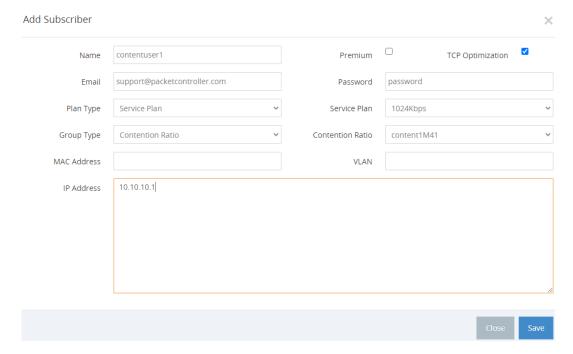
Notes: The balanced flag is to divide the bandwidth equally for ONLINE subscribers in this contention ratio group.

Add Subscriber

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

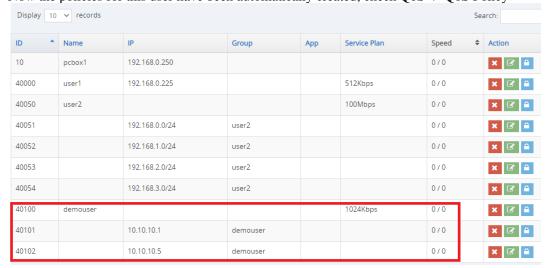


 Please fill in the forms of this user as below, select Service Plan in Plan Type dropdown and 1024Kbps in Service Plan dropdown, select Contention Ratio in Group Type dropdown and then select content1M41 in Contention Ratio dropdown



Notes: Select TCP Optimization for subscriber in most case.

- Click Save button
- Repeat the procedures to all other subscribers to this contention ratio
- Now the policies for this user have been automatically created, check QoS -> QoS Policy



Notes: It is recommended to have all the subscribers to utilize the SAME service plan for the same contention ratio.