

## How to enable Weighted Fair Queuing (WFQ)

Configuration -> Bandwidth Management

**Bandwidth Management**

Bandwidth Management	<input checked="" type="checkbox"/> Enabled
Group Bandwidth Policies	<input checked="" type="checkbox"/> Enabled
Weighted Fair Queueing (WFQ)	<input checked="" type="checkbox"/> Enabled
	<input type="checkbox"/> Share Unused Bandwidth
Default Valid Subscriber Max Up Bandwidth	<input type="text" value="5120"/> (Kbps) <a href="#">i</a>
Default Valid Subscriber Max Down Bandwidth	<input type="text" value="5120"/> (Kbps) <a href="#">i</a>

Device queuing weight is based on the Bandwidth Caps. No other configuration needed. To work properly all users need to have some form of bandwidth cap.

This Feature only applies to oversubscribed system and will keep bandwidth availability proportional to the Bandwidth caps for all users.

Example:

User A purchases 4mb and User B is using 2 mb free if there is only 10 mb available then they can reach their caps. If there is only 3mb available then User A would be able to access 2mb and User B would be able to access 1mb because of the 2:1 ratio.

Brennan and Fred in the below graph purchased 2 times the bandwidth as the rest of the users:

