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QoS Port-based Settings on the RV130 and RV130W

Objective

Quality of Service (QoS) Port-based settings allow you configure each port on the device for QoS LAN settings using different priority levels for network traffic. This allows the router to prioritize and handle traffic differently on each port so you may get the best performance while connecting to a range of devices. The RV130 and RV130W supports up to four priority queues for traffic prioritization. This allows for greater network performance when different devices, such as IP phones, cameras, or internet devices that require varying amounts of bandwidth, share the same network.

The objective of this document is to show you how to configure QoS Port-based settings on RV130 and RV130W routers.

Applicable Devices

• RV130

• RV130W

Software Version

• v1.0.1.3

QoS Port-based Settings

Step 1. Log in to the web configuration utility and choose **QoS > QoS Port-based Settings**. The *QoS Port-based Settings* page appears:

Step 2. For each port in the *QoS Port-based Settings Table,* choose an option from the *Trust Mode* drop-down list.

The available options are defined as follows:
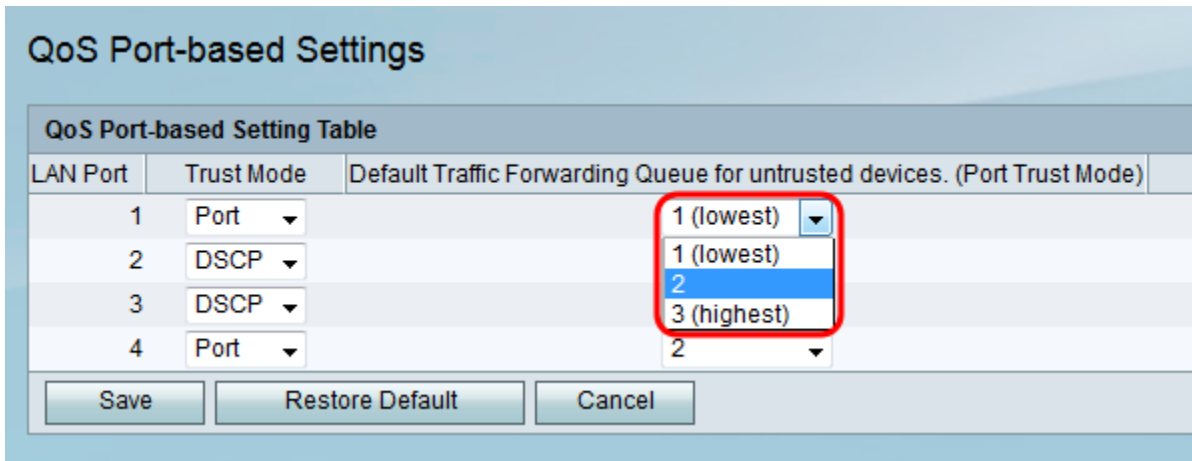
• Port — Enables port-based QoS settings. You can then set the traffic priority for the entire port in Step 3.

• DSCP — Differentiated Services Code Point (DSCP) is a priority level parameter that is added to the IP header of a packet on Layer 3. DSCP prioritizes the network traffic across the LAN based on the DSCP queue mapping on the *DSCP Settings* page. Refer to the document *DSCP Settings on the RV130 and RV130W* to configure DSCP.

• CoS — Class of Service (CoS) is a priority level parameter that is added to the frames on Layer 2, and is only present in trunked links. CoS prioritizes data packets when traffic is buffered in the switch due to congestion based on the CoS queue mapping on the *CoS Settings* page. Refer to the document *CoS Settings on the RV130 and RV130W* to configure CoS.

Step 3. If you chose **Port** in Step 2, choose a priority level for the port's outbound traffic from the *Default Traffic Forwarding Queue for untrusted devices* drop-down list. Higher numbers indicate higher priority. Otherwise, skip this step.
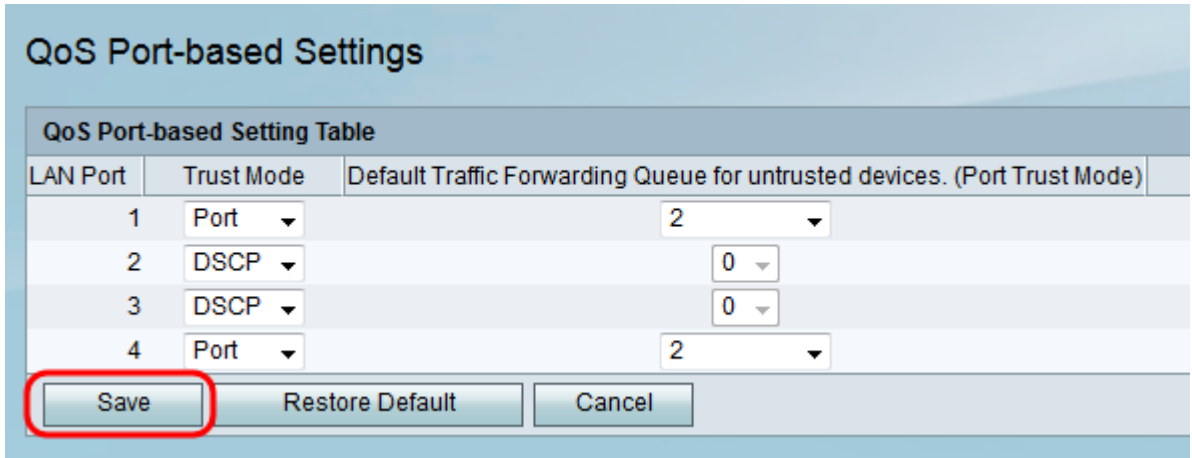
QoS Port-based Settings

QoS Port-based Setting Table

LAN Port	Trust Mode	Default Traffic Forwarding Queue for untrusted devices. (Port Trust Mode)
1	Port ▼	1 (lowest) ▼
2	DSCP ▼	1 (lowest)
3	DSCP ▼	2
4	Port ▼	3 (highest)
		2 ▼

Save	Restore Default	Cancel

Note: Higher priority will allow the port to have greater access to available bandwidth. This is important for devices such as IP phones, where call quality depends on a consistent, quality connection.

Step 4. Click **Save** to save your settings.

QoS Port-based Settings

QoS Port-based Setting Table

LAN Port	Trust Mode	Default Traffic Forwarding Queue for untrusted devices. (Port Trust Mode)
1	Port ▼	2 ▼
2	DSCP ▼	0 ▼
3	DSCP ▼	0 ▼
4	Port ▼	2 ▼

Save	Restore Default	Cancel