

View Port Statistics on the CVR100W VPN Router

Objective

The *Port Statistics* page shows a wide range of important port information that can be helpful to troubleshoot in order to see what went wrong and where the errors occurred in the network. The *Port Statistics* page is also helpful to gather data and see the amount of activity on each port. This article explains how to view the port statistics on the CVR100W VPN Router.

Applicable Device

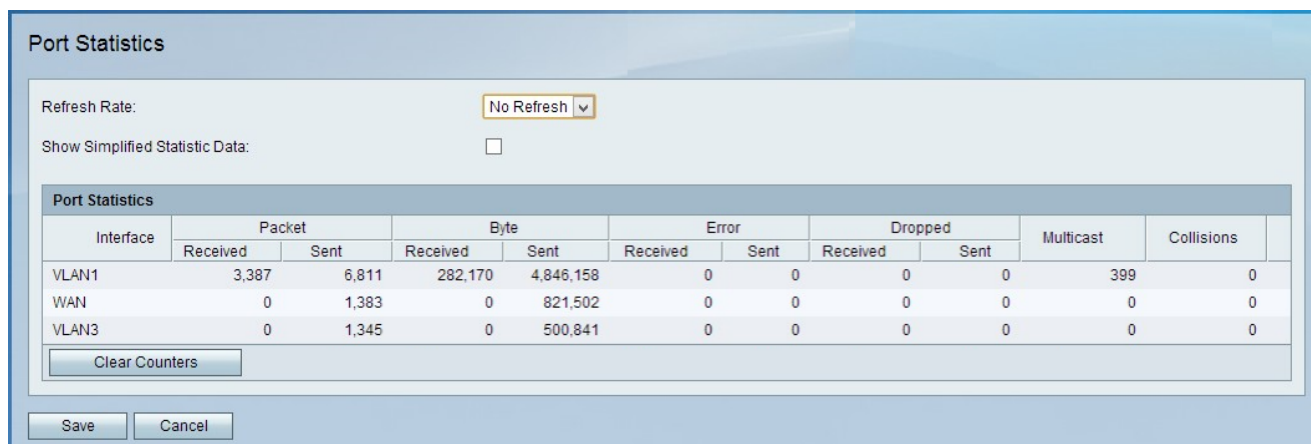
- CVR100W VPN Router

Software Version

- 1.0.1.19

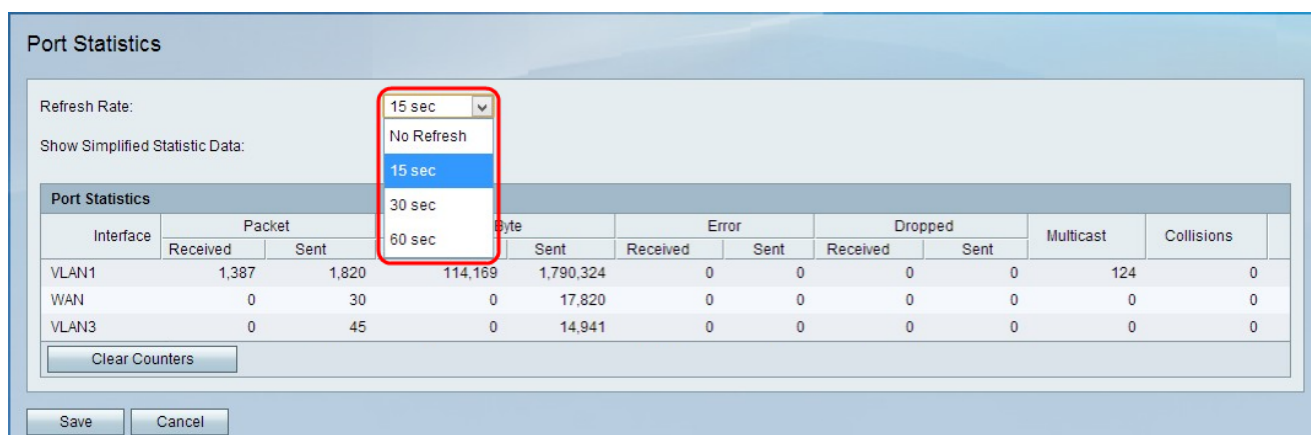
Port Statistics

Step 1. Log in to the web configuration utility and choose **Status > Port Statistics**. The *Port Statistics* page opens:



The screenshot shows the 'Port Statistics' page. At the top, there is a 'Refresh Rate:' dropdown menu set to 'No Refresh'. Below it is a checkbox for 'Show Simplified Statistic Data:' which is unchecked. The main table displays statistics for three interfaces: VLAN1, WAN, and VLAN3. The table has columns for Packet (Received, Sent), Byte (Received, Sent), Error (Received, Sent), Dropped (Received, Sent), Multicast, and Collisions. A 'Clear Counters' button is located below the table. At the bottom, there are 'Save' and 'Cancel' buttons.

Interface	Packet		Byte		Error		Dropped		Multicast	Collisions
	Received	Sent	Received	Sent	Received	Sent	Received	Sent		
VLAN1	3,387	6,811	282,170	4,846,158	0	0	0	0	399	0
WAN	0	1,383	0	821,502	0	0	0	0	0	0
VLAN3	0	1,345	0	500,841	0	0	0	0	0	0



The screenshot shows the 'Port Statistics' page with the 'Refresh Rate:' dropdown menu open. The menu options are '15 sec', 'No Refresh', '30 sec', and '60 sec'. The '15 sec' option is highlighted. The table below shows updated statistics for the same three interfaces. The 'Clear Counters' button and 'Save'/'Cancel' buttons are also visible.

Interface	Packet		Byte		Error		Dropped		Multicast	Collisions
	Received	Sent	Received	Sent	Received	Sent	Received	Sent		
VLAN1	1,387	1,820	114,169	1,790,324	0	0	0	0	124	0
WAN	0	30	0	17,820	0	0	0	0	0	0
VLAN3	0	45	0	14,941	0	0	0	0	0	0

Step 2. Choose the time the device waits to refresh the page from the Refresh Rate drop-

down list. The possible values are No Refresh, 15 sec, 30 sec and 60 sec.

Step 3. (optional) To show data as kilobytes instead of bytes, check the **Show Simplified Statistic Data** check box.

The following data is displayed in the Port Statistics table:

- Interface — The name of the interface.
- Packet — The number of sent and received packets.
- Byte — The number of sent and received bytes.
- Error — The number of sent and received packet errors.
- Dropped — The number of packets that were dropped.
- Multicast — The number of multicast packets sent. A multicast is when a packet of information is sent from one source to specific multiple destinations simultaneously.
- Collisions — The number of signal collisions on this port. A collision occurs when more than one devices attempts to send a packet to the same network segment at the same time. This causes hold-ups in the system as well as inefficiency in the network.

Step 4. (Optional) To clear all recorded statistics, click **Clear Counters**.

Step 5. Click **Save** to save the changes.