

VLAN Membership on the CVR100W VPN Router

Objective

A Virtual LAN (VLAN) can create multiple logical LANs inside one physical LAN by breaking up broadcast domains. These broken up broadcast packets go to specific ports of the LAN based on VLAN IDs that are assigned to them. It is also based on if they are tagged, untagged or excluded. VLANs can be used to securely organize broadcast traffic. For example, a company would use VLANs to separate the broadcast traffic that the managers receive from the broadcast traffic that the normal workforce receives. This article explains how to create a new VLAN membership on the CVR100W VPN Router.

Applicable Device

- CVR100W VPN Router

Software Version

- 1.0.1.19

VLAN Membership

Step 1. Log in to the web configuration utility and choose **Networking > LAN > VLAN Membership**. The *VLAN Membership* page opens:

VLAN Membership

Create VLANs and assign the Outgoing Frame Type.
Up to six VLANs total can be created. VLAN IDs must be in the range (4 - 15).

Select	VLAN ID	Description	Port 1	Port 2	Port 3	Port 4
<input type="checkbox"/>	1	Default	Untagged	Untagged	Untagged	Untagged
<input type="checkbox"/>	3	For Guest Network	Excluded	Excluded	Excluded	Excluded

Add Row Edit Delete

Save Cancel

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Select	VLAN ID	Description	Port 1	Port 2	Port 3	Port 4
<input type="checkbox"/>	1	Default	Untagged	Untagged	Untagged	Untagged
<input type="checkbox"/>	3	For Guest Network	Excluded	Excluded	Excluded	Excluded

Add Row Edit Delete

Save Cancel

Step 2. Click **Add Row** to create a new VLAN. A new row is added to the *VLAN Membership* page:

VLAN Membership

Create VLANs and assign the Outgoing Frame Type.
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You must save before you can edit or delete.

Select	VLAN ID	Description	Port 1	Port 2	Port 3	Port 4
<input type="checkbox"/>	1	Default	Untagged	Untagged	Untagged	Untagged
<input type="checkbox"/>	3	For Guest Network	Excluded	Excluded	Excluded	Excluded
<input type="checkbox"/>			Tagged	Tagged	Tagged	Tagged

Add Row Edit Delete

Save Cancel

VLAN Membership

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Up to six VLANs total can be created. VLAN IDs must be in the range (4 - 15).

You must save before you can edit or delete.

Select	VLAN ID	Description	Port 1	Port 2	Port 3	Port 4
<input type="checkbox"/>	1	Default	Untagged	Untagged	Untagged	Untagged
<input type="checkbox"/>	3	For Guest Network	Excluded	Excluded	Excluded	Excluded
<input type="checkbox"/>	10	user1	Tagged	Tagged	Tagged	Tagged

Add Row Edit Delete

Save Cancel

Step 3. Enter a VLAN ID number (ranging between 4-15) in the VLAN ID field.

VLAN Membership

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You must save before you can edit or delete.

VLAN Settings Table							
Select	VLAN ID	Description	Port 1	Port 2	Port 3	Port 4	
<input type="checkbox"/>	1	Default	Untagged	Untagged	Untagged	Untagged	
<input type="checkbox"/>	3	For Guest Network	Excluded	Excluded	Excluded	Excluded	
<input type="checkbox"/>	10	user1	Tagged	Tagged	Tagged	Tagged	

Step 4. Enter a description for the new VLAN in the Description field.

Step 5. Under Port 1, 2, 3, and 4 chose one of the three options for each port:

- **Untagged** — The port is labeled as untagged. All packets that are untagged will be sent to this port. This includes all packets that have not been tagged with specific VLAN IDs and are by default, VLAN 1.
- **Tagged** — The port is labeled as tagged. All packets that have been given a specific VLAN ID identical to the VLAN ID configured in the row are sent to this port.
- **Excluded** — The port is labeled as excluded. The port is not a part of the VLAN.

Step 6. Click **Save**.

Step 7. (Optional) To edit the VLAN, check the box of the VLAN, click **Edit**, edit the desired fields, and click **Save**.

Step 8. (Optional) To delete the VLAN, check the box of the VLAN, click **Delete**, and click **Save**.