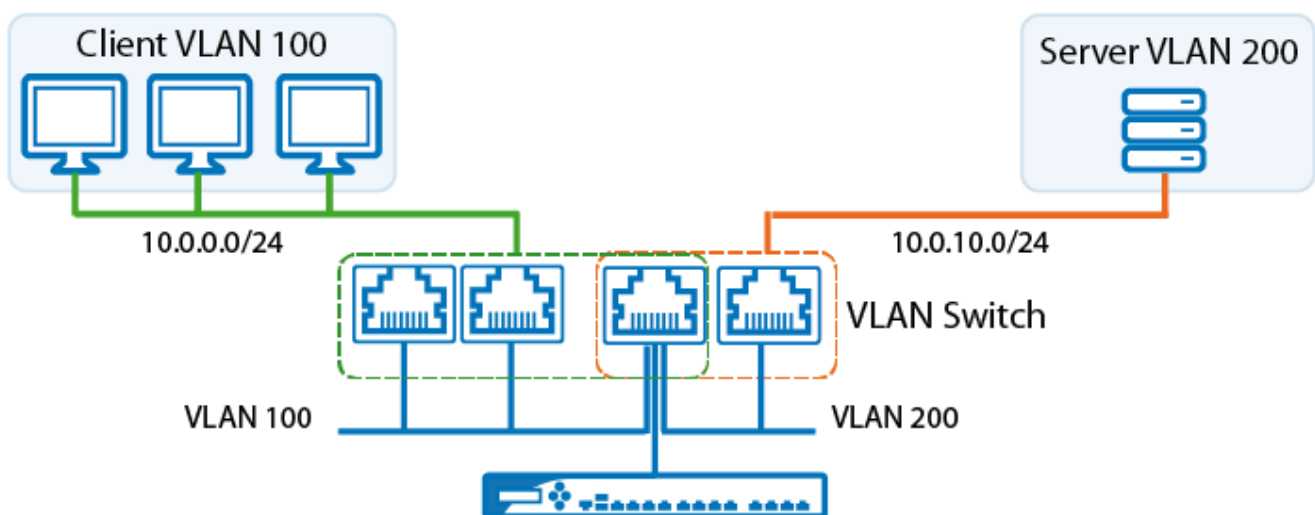


How to Configure a VLAN

<https://campus.barracuda.com/doc/28966962/>

You must have a properly configured 802.1q-capable switch to support VLANs and at least one unconfigured port on your X-Series Firewall.

You can use VLANs to simulate several LANs on one physical network interface (but only one MAC address). The physical interface behaves as if it were several interfaces, and the switch behaves as if it were multiple switches. VLANs let multiple virtual networks share switches, cables, and routers. All VLANs created on a host interface share the bandwidth of the physical interface. However, you can configure bandwidth policies (QoS) to specify how much bandwidth an interface can use. The Barracuda NextGen Firewall X-Series can use up to 256 VLANs on one physical network interface and a maximum of 4096 VLANs globally. Only unconfigured ports can be used to create VLAN interfaces.



Create a virtual interface

1. Go to the **NETWORK > IP Configuration** page.
2. In the **Virtual Interface Configuration** section, add an entry for the VLAN. In the VLAN configuration.

You can only select ports that are not in use, capable of supporting VLANs and connected to a correctly configured VLAN switch.

3. Click **Save Changes**.
4. At the top of the page, click on the warning message to execute the new network configuration. It can take up to two minutes for the settings to be applied.

The VLAN interface then appears in the **Network Interface Configuration** section. VLAN interface

names are displayed in the format: p<port number>.<vlan id>

Interface	Port	Link Type/Name	MAC Address	MTU	Speed	Use QoS
ath0		WIFI interface				No
ath2		WIFI interface				No
ath3		WIFI interface				No
p1				1500	100 Mbps	Yes
p2			00:10:13:28:28:65	1500	Unknown	Yes
p2.100		VLAN interface			Unknown	No
p2.200		VLAN interface			Unknown	No
p3				1500	Unknown	No
p4			00:10:13:28:28:67	1500	Unknown	No
phbr-bridge						No

Next steps

After adding the virtual interface, you can use it in your network configurations as if it were a physical interface. Continue with any of the following network configuration articles:

- [How to Configure Static Network Interfaces](#)
- [How to Configure a Static Route](#)
- [How to Configure a Bridge](#)
- [How to Configure Bandwidth Policies or QoS](#)

Figures

1. vlan_config.png
2. vlan_interface_list.png

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