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## VLANs

<https://campus.barracuda.com/doc/19333762/>

The Barracuda Load Balancer ADC supports Layer 2 virtual LANs (VLANs). VLANs allow you to partition a single Layer 2 network into multiple distinct broadcast domains, effectively allowing you to virtually isolate networks of Layer 2 traffic. The IEEE 802.1q VLAN networking standard is supported on both the Barracuda Load Balancer ADC network ports and on the management port.

### Configuring VLANs

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On the **NETWORK > VLANs** page in the Barracuda Load Balancer ADC web interface, identify your VLANs using the **Add VLAN** section. You must specify the VLAN name and ID, and select the interface to use. Once identified, the VLANs are available for selection when completing the following tasks:

- Associating a server or service with a VLAN
- Creating a static route

### Route to Multiple VLANs over an Interface

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If any interface on the Barracuda Load Balancer ADC has to route to multiple VLANs, it must be connected to the VLAN switch via a trunk (or hybrid) link, since traffic for multiple VLANs can only be transported over trunk links.

### Associating the Management Port with a VLAN

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You can associate the management port on the Barracuda Load Balancer ADC with a specific VLAN . If you have not specified a VLAN identifier already, you can go to the **BASIC > IP Configuration** page and simply specify one using the **VLAN ID** field and save the change.

If you need to change an existing VLAN identifier to another VLAN identifier or if you need to delete the VLAN identifier, complete the following steps (you can complete the same procedure using the IPv6 fields if you have configured IPv6 on your network):

1. On the **BASIC > IP Configuration** page, delete the **IPv4 Default Gateway**. Save the changes.
2. Configure the new **IPv4 Address**, **IPv4 Subnet Mask**, **IPv4 Default Gateway**, and the **VLAN ID** (if you need to delete the VLAN identifier, you can do so now). Save the changes.

Before you change the IP settings for the management port, ensure that the new settings are network accessible from your management PC. If you lose network access to the management port, you will need to connect to the console port on the Barracuda Load Balancer ADC and reconfigure the IP settings from the console.

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