

# packet

Portal > Knowledgebase > Technical > Networking > Native VLAN

---

## Native VLAN

Mo - 2019-04-29 - in Networking

Native VLAN feature enables support for untagged packets needed for private cloud deployment for ex with RHOS Introspection. When multiple VLANs are configured on the server port, the Native VLAN feature allows assigning one of the VLANs as native VLAN, so the packets destined for the native VLAN will always go out as untagged packets. Similarly, when the server port receives packets that are untagged, it will automatically be construed as belonging to native VLAN. This is currently supported only on non-bonded interfaces.

The Native VLAN feature is supported on servers with the 2-port NIC. Upon provisioning, all servers come up in Layer 3 mode by default. The 2-port NIC server boots up with a single bond, namely bond0 with both interfaces eth0 and eth1 configured as members of the bond. The support for this feature on 4-port NIC server such as n2.xlarge.x86 is planned.

Assigning VLANs onto the server, the server network mode needs to be changed to either Layer-2 only or Mixed Layer 2/Layer 3. In the Layer-2 only mode, VLANs can be assigned to either of the interfaces, with one of the VLANs marked as “native”. But, in the mixed Layer 2/Layer 3 mode, VLANs can be assigned to only the eth1 interface which is outside of the bond0 interface.

In order to set a VLAN as “native”, click on the “Manage” button next to it and follow the instructions.

Overview

**Network**

BGP

Storage

Traffic

SSH Keys

Timeline

Tags

Delete

## Network

LAYER 2 CONVERT TO OTHER NETWORK TYPE

This device is in bonded Layer 2 networking mode. You can add and remove Layer 2 networks to the bonded interface(s).

If you have a single VLAN assigned to a bond, 802.1Q tagging will not be enforced. If you have more than one VLAN assigned to a bond, 802.1Q tagging will take place and you will need to create subinterfaces of the bond in the Host OS to receive traffic destined for that particular VLAN.

Actions  + ADD NEW VLAN

<input type="checkbox"/>	INTERFACE ↕	VLAN ↕	802.1Q TAG ↕	NATIVE VLAN ↕		
<input type="checkbox"/>	bond0	1095 - Vlan A	Yes	No	MANAGE	REMOVE
<input type="checkbox"/>	bond0	1215 - Vlan B	Yes	No	MANAGE	REMOVE

Network

LAYER 2

This device is in bonded Layer 2 networking mode. You can add and remove

If you have a single VLAN assigned to a bond, 802.1Q tagging will not be enforced. If you have more than one VLAN assigned to a bond, 802.1Q tagging will take place and you will need to create subinterfaces of the particular VLAN.

Actions

<input type="checkbox"/>	INTERFACE ↕	VLAN ↕	802.1Q TAG ↕
<input type="checkbox"/>	bond0	1095 - Vlan A	Yes
<input type="checkbox"/>	bond0	1215 - Vlan B	Yes

### Manage Vlan ✕

**1095 - Vlan A**  
Native Vlan: no

Set Native Vlan

Overview

**Network**

BGP

Storage

Traffic

SSH Keys

Timeline

Tags

Delete

## Network

LAYER 2 CONVERT TO OTHER NETWORK TYPE

This device is in bonded Layer 2 networking mode. You can add and remove Layer 2 networks to the bonded interface(s).

If you have a single VLAN assigned to a bond, 802.1Q tagging will not be enforced. If you have more than one VLAN assigned to a bond, 802.1Q tagging will take place and you will need to create subinterfaces of the bond in the Host OS to receive traffic destined for that particular VLAN.

Actions  + ADD NEW VLAN

<input type="checkbox"/>	INTERFACE ↕	VLAN ↕	802.1Q TAG ↕	NATIVE VLAN ↕		
<input type="checkbox"/>	bond0	1095 - Vlan A	Yes	Yes	MANAGE	REMOVE
<input type="checkbox"/>	bond0	1215 - Vlan B	Yes	No	MANAGE	REMOVE

The native VLAN feature is also supported [through the API](#).

```
Tags
layer2
native_vlan
networking
vlan
```