

Tools & Resources

# Bug Search Tool

Bug Search (/bugsearch/) CSCuu29425

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## enic: native (untagged) packets on RHEL7 seen as tagged/vlan 0 CSCuu29425

### Description

**Symptom:**

In RHEL 7.0 and RHEL 7.1, inbound packets belonging to native VLAN are seen tagged with VLAN id 0.

**Conditions:**

This happens to all the received packets belonging to native VLAN

**Workaround:**

None

**Further Problem Description:**

In data center Ethernet, Ethernet adapters retaining priority tags is an acceptable behaviour. Cisco VIC adapters do this by default.

In the case of packets belonging to native VLAN, the VLAN ID in the tag retained along with the priority bits will be 0. The meaning of VLAN ID 0 along with priority bits is that the VLAN ID is not valid. The behaviour of RHEL kernels has been to strip this before handing it over to the upper layers (bridges, soft-switches, tcpdump, etc).

Due to some patches submitted upstream and picked up by Redhat, this behaviour changed in RHEL 7.0 and RHEL 7.1. The upstream patch that fixes this has been added to RHEL 7.2.

The following are the relevant patches.

<http://lists.openwall.net/netdev/2013/09/10/30> (<http://lists.openwall.net/netdev/2013/09/10/30>)

<https://lists.linuxfoundation.org/pipermail/bridge/2015-July/009630.html>

(<https://lists.linuxfoundation.org/pipermail/bridge/2015-July/009630.html>)

Was the description about this Bug Helpful? (0)

### Details

Last Modified: Jun 12, 2018

Known Affected Releases: (1)

Known Fixed Releases: (0)

Status: Fixed

2.2(3.243)B

Download software for Cisco UCS Virtual Interface Card (<http://software.cisco.com/download/navigator.html?mdfid=283724092>)

Severity: 2 Severe

Product: (1)

Cisco UCS Virtual Interface Card

Support Cases: 4

### Community Discussion on CSCuu29425 - Cisco Community

1 Discussion(s)

Cisco UCS/Nexus 802.1P tagging (VLAN0) on traffic between blades (<https://community.cisco.com/t5/unified-computing-system/cisco-ucs-nexus-802-1p-tagging-vlan0-on-traffic-between-blades/td-p/3755502>)

I have a UCS system setup with 6248UP fabric interconnects (2 x 6248UP connected to a chassis with 2 x 2208xp fabric extenders), running the latest 4.x release on everything, it's basically a fresh setup. Nothing fancy, uplinked to a pair of Nexus 3064 switches. I have 3 blades in it. They have Ubuntu 18 LTS on them and seem mostly fine. I can ping/ssh/whatever between them and it all works great. I need to PXE boot some virtual machines on them to run a variety of tasks so I have DNSmasq to run ...

Author: Jonathan Bayless | Posted: November 29, 2018 | Latest activity: December 1, 2018

Start Community Discussion ([https://community.cisco.com/t5/forums/postpage/board-id/5451-discussions-cisco-bug-discussions?message-subject=CSCuu29425-enic-native-\(untagged\)-packets-on-RHEL7-seen-as-tagged/vlan-0-1](https://community.cisco.com/t5/forums/postpage/board-id/5451-discussions-cisco-bug-discussions?message-subject=CSCuu29425-enic-native-(untagged)-packets-on-RHEL7-seen-as-tagged/vlan-0-1))

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