



Hewlett Packard
Enterprise

HPE Plexxi HCN™
Release Notes
Switch Software
Release 4.1.1

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Introduction

This document contains information about Plexxi Switch Release 4.1.1, which delivers updates for Plexxi Switch and support for the HPE FM 2072 Composable Fabric module (Plexxi switch 2e).

Software Versions Included

The following versions of software updates are included:

- Plexxi Switch 4.1.1
- Plexxi Control 4.1.0

Supported Hardware

Plexxi Switch release 4.1.1 is supported on the following switches:

- Switch 1x (PX-S1X)
- Switch 2 (PX-S2)
- Switch 2s (PX-S2S)
- Switch 2p (PX-S2P)
- Switch 2sp (PX-S2SP)
- Switch 2e (PX-S2E) or HPE FM 2072
- Switch 3eq (PX-S3EQ)

New Features

The following new features and software changes are included in this release:

- HPE FM 2072 Composable Fabric module support.
- HPE FM 2072 uses new rails.

Related Documentation

The following additional documentation supports this release:

- *Plexxi Compatibility Matrix, Version 13* or greater, HPE part # P12877-002. The *Plexxi Compatibility Matrix* contains version-specific software and hardware support information as well as cable and transceiver support information.
- *Plexxi Switch Administrator Guide using Linux and Plexxi CLI, Release 4.1.0*, HPE part # P12878-001
- *Plexxi Control Installation, Upgrade and Administration Guide, Release 4.1.0*, HPE part # P12882-001
- *Plexxi Switch 2e (HPE FM 2072) Hardware and Installation Guide*, HPE part # P12886-002
- *Plexxi Switch 3eq Hardware and Installation Guide*, HPE part # P12883-001
- *Plexxi Getting Started Guide, Small and Medium Deployments, Releases: Switch-Control 4.1.x and Connect 3.1.x*, HPE part # P12885-002
- *Plexxi Control Online Help* is available while logged into the Plexxi Control UI

Documentation (except Online Help) is available on the Support > Technical Documentation page of <http://www.plexxi.com>.

Contacting Plexxi Support

Plexxi Technical Support services are available to answer your questions and to make sure that your software and hardware continue to operate properly.

You can contact Plexxi Support at:

support@plexxi.com

1.888.415.9809 (US/Canada toll-free)

+1 603-782-0702 (US/International)

<http://support.plexxi.com>

HPE FM 2072 Composable Fabric Module Support

Plexxi Switch Release 4.1.1 fully supports all Plexxi switches as well as the following HPE Composable Fabric module:

- HPE Composable Fabric FM 2072 rack connectivity module

The following HPE and Plexxi switch models are equivalent:

HPE Model	Plexxi Model
FM 2072	Switch 2e

IMPORTANT: The HPE FM 2072 and Plexxi Switch 2e are based on the same hardware, however they use different rails.

HPE FM 2072 Uses New Rails

New rails are provided with HPE FM 2072 Composable Fabric modules. To install an HPE FM 2072 switch module in a rack, refer to the guide: *Plexxi Switch 2e (HPE FM 2072) Hardware and Installation Guide*, HPE part # P12886-002.

Known Issues in this Release

Issue ID	Description
	<p>Issue when upgrading switch software on any Plexxi switch to Switch 4.1.0:</p> <p>Before upgrading a switch from a pre-3.3.0 release, if you have Link Aggregation Groups with member ports on different switches (MLAGs), and you are running STP/Loopguard in your environment connected to Plexxi, please contact Plexxi Support for a pre-upgrade script.</p>
	<p>Multicast traffic over an MLAG is not supported.</p>
PXCTL-3448	<p>L2VPN configuration tasks should not be executed at a rate higher than 1 every 30 seconds.</p>
PXSW-2501	<p>The following issue exists:</p> <p>When a switch that is on the In-Band Management LAG is rebooted, the LACP configuration is not restored on the In-Band Management LAG.</p>
PXSW-2443	<p>The following MC traffic issue exists:</p> <p>When an MC receiver host moves, MC traffic still gets delivered to the port it was attached to previously until the IGMP JOIN on that port times out.</p>
PXSW-2440	<p>The following MC traffic issue exists when increasing the confluent ring size:</p> <p>An access port that was part of an MC group prior to increasing the confluent ring size is removed from the group after the confluent ring size is increased.</p>
PXSW-2165	<p>An issue exists where:</p> <p>If the following User Defined Path conditions exist:</p> <ul style="list-style-type: none"> • the path uses confluent ring ports • the last switch in the path (egress switch) is the Ubervisor switch <p>And if a Flow Entry has the following characteristics:</p> <ul style="list-style-type: none"> • Path action is selected • The user defined path stated above is selected • The egress ports on the Ubervisor egress switch (last switch in path) are not selected <p>Broadcast, unknown unicast, and unknown multicast traffic will not be forwarded. Known unicast and known multicast traffic is forwarded as expected.</p> <p>To solve this issue, if the Ubervisor switch is the egress switch for a User Defined Path that uses the confluent ring, in Plexxi Control, when configuring the Flow Entry, explicitly select the egress ports on the egress (Ubervisor) switch.</p> <p>If the last switch in the path is not an Ubervisor switch, traffic flows as expected.</p>

Issue ID	Description
PXSW-2162	In a Flow Entry created in Plexxi Control that uses the Path action, the Flow Entry might match a flow that does not originate on the source switch defined in the user-defined path.
PXSW-1216	Before increasing the size of the confluent ring using the Plexxi Switch CLI, you must remove any configuration from the ports to be added to the confluent ring LAG. This configuration includes L1 Replication, Fabric Link Encapsulation and User Defined Paths.