



*Plexxi HCN™*  
*Release Notes*  
*Switch and Control Software*  
*Release 3.3.1*

January 19, 2018



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## Introduction

This document contains information about the Plexxi 3.3.1 release, which delivers software updates for Plexxi Switch and Plexxi Control.

## Software Versions Included

The following versions of software updates are included:

- Plexxi Switch 3.3.1
- Plexxi Control 3.3.1

## Supported Hardware

Plexxi release 3.3.1 is supported on the following Plexxi 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)
- Switch 3eq (PX-S3EQ)

## Related Documentation

The following additional documentation supports this release:

- *Plexxi Compatibility Matrix, Version 9 or greater.* The *Plexxi Compatibility Matrix* contains version-specific software and hardware support information as well as cable and transceiver support information.
- *Plexxi Control Installation, Upgrade and Administration Guide, Releases 3.2.2 through 3.3.0*
- *Plexxi Switch Administrator Guide using Linux and Plexxi CLI, Release 3.3.0*
- *Plexxi Switch 3eq Hardware and Installation Guide, Document Version 2*
- *Plexxi Getting Started Guide, Small and Medium Deployments, Releases: Switch-Control 3.2.2 – 3.3.0 and Connect 2.4.x, Document Version 1*

The documentation above is available on the Resources > Technical Publications page of [plexxi.com](http://plexxi.com).

- *Plexxi Control Online Help* which is available while logged into the Plexxi Control UI

## 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](mailto:support@plexxi.com)

1.888.415.9809 (US/Canada toll-free)

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

<http://support.plexxi.com>

## Issues Fixed in this Release

Issue ID	Description
PXUI-3515	Fixed an issue where the Plexxi Control UI did not allow changes to the enable/disable flag for IP routes; the Apply button did not activate. The Apply button is now activated when a route status is changed from enabled to disabled or vice versa.
PXSW-3555	Fixed an issue where an incorrect kernel cache setting could, if exceeded, result in slow switch responses leading to peering loss, ring breaks, and LACP state changes.

## Known Issues in this Release

Issue ID	Description
	Issue when upgrading switch software on any Plexxi switch to Switch 3.3.0: Before upgrading to Switch 3.3.0, if you have Link Aggregation Groups with member ports on different switches (MLAG), and you are running STP/Loopguard in your environment connected to Plexxi, please contact Plexxi Support for a pre-upgrade script to be applied. You can obtain the script file, <code>pre-upgrade-3.3-MLAG.sh</code> from the Switch > releases > 3.3.0 directory of <a href="http://software.plexxi.com">software.plexxi.com</a> .
	Multicast and unicast routing protocols over an MLAG are not supported. L2 multicast over MLAG works.
PXCTL-3617	After completing the upgrade to 3.3.0, it is highly recommended that a new full fit is executed.
PXCTL-3448	L2VPN configuration tasks should not be executed at a rate higher than 1 each 30 seconds.
PXSW-3545	Changing the confluent ring size from the default 2 interfaces to 3 or 4 does not require a ring reboot. However, after expansion, reducing the number of ports in the confluent ring does require a reboot for correct operation.
PXSW-2501	The following issue exists: 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.
PXSW-2443	The following MC traffic issue exists: 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.

Issue ID	Description
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"> <li>• the path uses confluent ring ports</li> <li>• the last switch in the path (egress switch) is the Ubervisor switch</li> </ul> <p>And if a Flow Entry has the following characteristics:</p> <ul style="list-style-type: none"> <li>• Path action is selected</li> <li>• The user defined path stated above is selected</li> <li>• The egress ports on the Ubervisor egress switch (last switch in path) are not selected</li> </ul> <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 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>
PXSW-2162	<p>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.</p>
PXSW-1216	<p>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.</p>