



*Plexxi HCN™*  
*Release Notes*  
*Plexxi Connect Software*  
*Release 3.0.0*

*May 3, 2018*



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## About Plexxi Connect 3.0.0

This document contains information about the Plexxi Connect 3.0.0 release, which delivers new features as described within this document as well as software updates for Plexxi Connect.

## Software Versions Included

The following versions of software updates are included:

- Plexxi Connect UI
- Plexxi Connect vSphere Client plugin
- Plexxi Control Pack
- Nutanix Prism Pack
- VMware NSX Pack
- VMware vSphere Pack

## New in this Release

New features:

- Access Ports, Port Security, LAGs, VLANs are Configured in the Plexxi Connect UI.
- Nutanix AHV Bond Management in the Plexxi Connect UI.
- Host View for visualizing Nutanix and VMware environments including vSAN and NSX.
- vSAN integration to automatically isolate vSAN storage traffic.
- vSphere Client Plug-in which includes all of the Plexxi Connect UI functionality.
- Plexxi System Licensing.
- Plexxi Connect ISO Install in AHV Environments.
- Visualize NSX Host Environments in the Plexxi Connect UI.

## Related Documentation

The following documentation supports this release:

- *Plexxi Software Compatibility Matrix*, version 10 or greater, which identifies Plexxi hardware, software and software upgrade compatibility.
- *Plexxi Connect Installation, Upgrade and Administration Guide for Release 3.0.0*
- *Plexxi Connect UI Online Help*, available in the Plexxi Connect UI

This documentation is available on the Plexxi Resources > Technical Documentation page:

<http://www.plexxi.com/technical-documentation/>



## 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>

## Access Ports, Port Security, LAGs, VLANs are Configured in the Plexxi Connect UI

The following features can now be configured using the Plexxi Connect UI:

- Switch Access Ports.
- Link Aggregation Groups (LAGs).
- VLANs.
- Switch port security and MAC learning on a per-port basis is supported in the Plexxi Connect UI. Supported modes include: static MAC, sticky MAC, dynamic learning. MAC address learning limits and MAC address aging are also supported. For security violations, ports can be restricted or shut down.
- MAC address learning can be disabled on a per port and per VLAN basis. When disabled, Plexxi Switches will no longer learn the location of a MAC address, forcing all traffic towards MAC addresses behind these ports to be flooded.

For further information, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.

## Nutanix AHV Bond Management in the Plexxi Connect UI

Plexxi Connect harvests bridge, bond and interface details from discovered hosts, inspects their configuration, and determines if they are optimally configured. Additionally, Plexxi Connect identifies Plexxi fabrics, switches, and access ports associated with the discovered bonds, then inspects port and LAG settings to determine if they are optimized.

In the Plexxi Connect UI, the Bond Management page lists discovered host bonds along with their 'state'. Optional actions, Ignoring non-optimal bond states or Un-ignoring an ignored bond, can be performed on any bond.

Administrators can use this bond information to expose misconfigured hosts, bridges, bonds, interfaces, switches, access ports and fabrics

For further information, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.

## Host View in the Plexxi Connect UI

The Host view in the Plexxi Connect UI enables you to visualize Nutanix and VMware environments including vSAN and NSX. The Host View can be used:

- to troubleshoot issues within the host itself and determine if a host is connected correctly.
- to present users with a way to visualize if hosts, virtual machines, or VMKernel Adapters can pass traffic.

For further information, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.



## Visualize VMware NSX Host Environments in the Plexxi Connect UI

Plexxi Connect supports VMware NSX through the VMware NSX pack. With the VMware NSX pack configured, Plexxi Connect harvests VMware NSX environment data for presentation in the Plexxi Connect Host view.

For further information, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.

## VMware vSAN Integration

vSAN integration is supported to automatically isolate vSAN storage traffic. This feature is configured through the VMware vSphere pack.

For further information and to configure this feature, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.

## Manage Plexxi System Licensing

Plexxi hardware and software system licensing can now be installed and monitored through the Plexxi Connect UI.

For further information, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.

## VMware vSphere Client Plugin

The VMware vSphere Client Plug-in which is opened within the vSphere client includes all of the Plexxi Connect UI functionality.

For further information, refer to the Plexxi Connect Online Help:

- *Plexxi Connect Online Help*, available from the Release 3.0.0 Plexxi Connect UI.

## Plexxi Connect ISO Install in AHV Environments

Plexxi Connect can be installed in Nutanix AHV environments using an ISO installation.

For further Plexxi Connect installation information about, refer to the document:

- *Plexxi Connect Installation, Upgrade and Administration Guide* for Release 3.0.0.

## Issues Fixed in the 3.0.0 Release

Issue ID	Description
PXUI-3437	Plexxi Connect Pack passwords appeared to be blank when they were configured. Passwords now shown as ***** if there is an entry in that field.
PXUI-3397	In the Plexxi Connect UI, the element-to-element map did not show a complete representation of active-standby vSwitch adapters.
PXUI-3334	In the Plexxi Connect UI Network view, the AHV passive link representation was confusing.
PXPSE-2429	A VLAN was not added to a port after a vMotion of a VM.
PXPSE-2424	In a single-switch fabric where the fabric is looped back to the single switch to complete the confluent ring, the Plexxi Connect UI does not report any fabric peers.
PXSE-2258	The status for a disabled Plexxi Connect pack displayed as 'Disconnected'. It now displays as 'Disabled'.
PXPSE-2055	A VLAN Affinity provisioned for CVM Isolation has an extra VLAN.
PXPSE-1946	During an upgrade from Plexxi Connect 2.3.0 to 2.4.0, messages were generated indicating that the postgres package is not installed.
PXPSE-1877	Intermittently, when a VM was deleted, a VLAN was not removed from Plexxi Control.
PXPSE-1254	When a Support Bundle is created in Plexxi Connect, there may be a delay before the bundle is visible in the UI for download. This occurs when the support bundle is large and takes longer than expected to create. Once the bundle is created, it will appear in the UI for download.





## Known Issues in the 3.0.0 Release

### Known Plexxi Connect Issues

Issue ID	Description
	Plexxi Connect leverages LLDP and CDP advertise on distributed vSwitches to know where ESXi servers are cabled into the Plexxi Fabric. Ensure that DNS is properly configured on the ESXi servers so that LLDP sends out accurate information.
PXUI-3851	In the Plexxi Connect UI, on the Configuration > Switches > Ports page, the Port dropdown in the column header occasionally does not show the All selection even though numbers are listed for ports.
PXUI-3764	If run in Firefox, hovering over the ports in the port map on the top-right displays tool tips partially on the top-left.
PXUI-3271	The Microsoft Edge browser is not supported with the Plexxi Connect 3.x UI.
PXPSE-2532	<p>The Plexxi Connect cache is not updated when a QinQ group is deleted from a port in the Plexxi Control UI.</p> <p>In the Plexxi Control UI, if a QinQ group is added to a port, in the Plexxi Connect UI, only the CVLAN IDs are visible on the port because there is no knowledge of QinQ groups. If you subsequently delete the QinQ group from the port in the Plexxi Control UI, the Plexxi Connect UI maintains the CVLAN IDs on the ports.</p>
PXPSE-2458	After a VM is powered on, the Plexxi Connect Host view takes a long time to display the IP address of the VM.
PXPSE-1603	When a existing VLAN Affinities Fit Style is updated from Off to Incremental or Full a Fit will not be immediately run if this is the only change detected by Connect. If a Fit is necessary one can be run manually via Plexxi Control. The next change detected by Plexxi Connect that impacts the VLAN Affinity will result in a Fit being run.
PXPSE-1602	Under certain scenarios, it is possible that the Plexxi Control Jobs created by Plexxi Connect for managing VLAN Affinities can fail due to a lack of synchronization between 1 or more Jobs. When this occurs, Plexxi Control will be left in the correct state despite the Job failure.
PXPSE-1254	When a Support Bundle is created in Plexxi Connect, there may be a delay before the bundle is visible in the UI for download. This occurs when the support bundle is large and takes longer than expected to create. Once the bundle is created, it will appear in the UI for download.
PXPSE-1044 and 1141	Under certain scenarios, it is possible that the Plexxi Control Jobs created by Plexxi Connect can fail due to a lack of synchronization between 1 or more Jobs. When this occurs, Plexxi Control will be left in the correct state despite the Job failure.

Issue ID	Description
PXPSE-812	The vSphere pack in Plexxi Connect should not be configured with multiple configurations referencing the same vCenter server (e.g. one by its fully qualified domain name and one by IP address).
PXPSE-791	Plexxi Connect will not properly configure VLANs for Virtual Machines with Fault Tolerance enabled.
PXPSE-607	Plexxi Connect includes the Open VM Tools package. When Plexxi Connect is deployed in a VMware environment Open VM Tools will be run and it will sync the Plexxi Connect VM's clock with the time on the ESXi server. As a result users of Plexxi Connect should verify that their ESXi servers have the proper time configured (NTP is recommended).

## Known Nutanix Prism Issues

Issue ID	Description
ENG-86651	Prism reports the Plexxi port speeds incorrectly due the usage of SNMP ifSpeed which doesn't support 10GB or greater port speeds.