Abstract

This document describes new features, installation and update instructions, and known limitations for the HPE Virtual Connect SE 16Gb FC Module for HPE Synergy. This release is intended for administrators that configure, manage, and troubleshoot compute modules interconnects and storage systems on HPE Synergy using HPE Synergy Composer powered by HPE OneView.
Notices

The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.


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Interconnect module firmware installation and update instructions

For installation and update instructions, refer to documents available at http://www.hpe.com/info/synergy-docs.
Changes delivered in HPE Virtual Connect SE 16Gb FC Module for HPE Synergy

Changes delivered in firmware version 5.10.69

This firmware version is designed to:

- Address CVE-2018-7120.
- Block UDP port 52357.
- Fix a firmware activation issue that occurs during a logical enclosure (LE) firmware update.

**NOTE:** This feature requires HPE OneView 5.00 or later as a prerequisite.

- Include all changes from firmware version 5.01.51.

Changes delivered in firmware version 5.01.51

This firmware version is designed to:

- Enhance support for the HPE Virtual Connect SE 16Gb FC Module for HPE Synergy.
- Resolve the issue described in the following HPE Customer Bulletin for HPE Virtual Connect SE 16Gb FC Module for HPE Synergy:
  

- Add support for CPU utilization monitoring.

**NOTE:** This feature requires HPE OneView 4.20 or later as a prerequisite.

- Include all changes from firmware version 4.10.50.

Changes delivered in firmware version 4.10.50

This firmware version is designed to:

- Add support for the FIPS cryptography mode.

**NOTE:** This feature requires HPE OneView 4.10 or later as a prerequisite.

- Resolve an issue when the remote syslog configuration is not cleared during a factory reset.

- Include all changes from firmware version 4.00.33.

Changes delivered in firmware version 4.00.33

This firmware version is designed to:

- Add support for N-port trunks with an upstream or top-of-rack Brocade switch.
NOTE: This feature requires HPE OneView 4.00 or later as a prerequisite.

- Remove the use of the following older and weaker SSH and TLS ciphers:
  - aes128-cbc
  - 3des-cbc
  - aes192-cbc
  - aes256-cbc
  - DES-CBC3-SHA

- Resolve security vulnerabilities of the following:
  - CVE-2016-0800
  - CVE-2016-6515
  - CVE-2015-8325
  - CVE-2015-0291
  - CVE-2016-2183

- Include all changes from firmware version 1.05.24.

**Changes delivered in firmware version 1.05.24**

This firmware version is designed to:

- Add support for bidirectional port monitoring of server ports using the port monitoring functionality.
- Add support for throughput utilization data for each uplink and downlink port.

NOTE: This feature requires HPE OneView 3.10 or later as a prerequisite.

- Include all changes from firmware version 1.03.01.

**Changes delivered in firmware version 1.03.01**

The firmware version 1.03.01 is designed to support HPE Virtual Connect SE 16Gb FC Module for HPE Synergy.

NOTE: Requires HPE OneView 3.00 or later as a prerequisite.
The following table indicates disruptive versus non-disruptive firmware updates.

- Non-disruptive firmware update is a warm reboot of the management plane that does not impact the switching or data plane.
- Disruptive firmware update is a cold reboot of the interconnect module that impacts both the management and data plane.

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<th>Current installed firmware</th>
<th>Disruptive change to</th>
<th>Non-disruptive change to</th>
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For more information on HPE Synergy firmware and driver updates, see the [HPE OneView for Synergy Firmware and Driver Update Guide](#).
Websites

General websites
Hewlett Packard Enterprise Information Library including the HPE OneView Support Matrix, Virtual Connect manuals, release notices, and white papers
  www.hpe.com/info/EIL
Single Point of Connectivity Knowledge (SPOCK) Storage compatibility matrix
  www.hpe.com/storage/spock
Storage white papers and analyst reports
  www.hpe.com/storage/whitepapers

Hewlett Packard Enterprise documentation websites
HPE OneView Global Dashboard documentation
  www.hpe.com/info/ovglobaldashboard-docs
HPE OneView documentation
  www.hpe.com/info/oneview/docs
HPE Synergy documentation
  www.hpe.com/info/synergy-docs

For additional websites, see Support and other resources.
Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
  
  http://www.hpe.com/info/assistance

- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
  
  http://www.hpe.com/support/hpesc

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.

- To download product updates:
  
  Hewlett Packard Enterprise Support Center
  
  www.hpe.com/support/hpesc

  Hewlett Packard Enterprise Support Center: Software downloads
  
  www.hpe.com/support/downloads

  Software Depot
  
  www.hpe.com/support/softwaredepot

- To subscribe to eNewsletters and alerts:
  
  www.hpe.com/support/e-updates

- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center More Information on Access to Support Materials page:
  
  www.hpe.com/support/AccessToSupportMaterials

IMPORTANT: Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.
Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

http://www.hpe.com/support/selfrepair

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information
HPE Get Connected
www.hpe.com/services/getconnected
HPE Proactive Care services
www.hpe.com/services/proactivecare
HPE Proactive Care service: Supported products list
www.hpe.com/services/proactivecaresupportedproducts
HPE Proactive Care advanced service: Supported products list
www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information
Proactive Care central
www.hpe.com/services/proactivecarecentral
Proactive Care service activation
www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty information for your product, see the links provided below:

HPE ProLiant and IA-32 Servers and Options
www.hpe.com/support/ProLiantServers-Warranties
HPE Enterprise and Cloudline Servers
www.hpe.com/support/EnterpriseServers-Warranties
HPE Storage Products
www.hpe.com/support/Storage-Warranties
HPE Networking Products
www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts
Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

Documentation feedback

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