Release Notes for Cisco UCS Virtual Interface Card Drivers, Release 2.1

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Introduction

This release note discusses the new features, known limitations, and open caveats for Cisco UCS Virtual Interface Card (VIC) Drivers, Release 2.1. It does not cover new features, resolved and open caveats for third-party drivers, and known limitations.

Note   We sometimes update the documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

Use this document in conjunction with the document listed in the Related Documentation section.

Table 1 shows the online change history for this document.

Table 1   *Online Revision History*

Part Number	Revision	Revision Date	Description
OL-29921-01	A0	November 16, 2012	Created release notes.
	B0	July 12, 2013	Updated release notes for Release 2.1(2a).
	C0	July 22, 2013	Updated the New Software Features in Release 2.1(2a) section.

System Requirements

For a complete list of supported hardware and software, see the *Hardware and Software Interoperability Matrix* for this release located at:
http://www.cisco.com/en/US/products/ps10477/prod_technical_reference_list.html

New Software Features in Release 2.1

Release 2.1(2a), July 12, 2013

The Release 2.1(2a) adds support for the following:

- Configurable queue depth
- Configurable maximum number of outstanding I/Os
- Statistics collection/reporting
- Storage Enhancements
  - Windows 2012 NPIV Support

> **Note** This feature is not compatible with UCSM based FC zoning.

Release 2.1(1), November 16, 2012

The initial Release 2.1 does not include new software features.

Operating System Support

For complete information about the operating systems that Release 2.1 supports, see the Hardware and Software Interoperability for UCSM Managed Servers document for each Release 2.1 release located here:
http://www.cisco.com/en/US/partner/products/ps10477/prod_technical_reference_list.html

Resolved Caveats

Table 2 lists the caveats that have been resolved since Release 2.0(5).

Table 2   Resolved Caveats

Bug ID	Description
CSCua03773	FC statistics parameter seconds_since_last_reset not getting updated
CSCuc36058	Issues with fNIC driver image content and RPM.
CSCud20825	RHEL failure after upgrade fNIC to 1.5.0.20.
CSCud30257	fNIC Driver Tuneables Exposed through CLI
CSCud30263	fNIC Statistics Collection
CSCud95855	P81E VMWare Fnic driver causes memory leaks
CSCue06947	HP: no PLOGI ESX4 fnic to 3PAR target HBA FC044X after target port reset
CSCue21073	fNIC Driver 1.5.0.8 fails and PSODs
CSCuf60315	fNIC changing the order of sysfs cleanup during unload

Open Caveats

lists the open caveats in Release 2.1.

Table 3   Open Caveats

Bug ID	Description
CSCtq77181	The fNIC driver rate limit feature does not work for vHBA devices supported by the VIC 1280, VIC 1240, and VIC 1225 adapters.
CSCuh61202	When performing a IOM reset test from the CLI under heavy FC traffic load conditions, all the FC traffic stops on the UCS VIC 1240 and UCS M82-8P VIC adapters.

Customers using Red Hat Enterprise Linux version 5.8 or an earlier version should be aware that an libfc bug exists in distributions. The details of this bug are available in the Red Hat Bugzilla 884740.

Known Limitations and Behaviors

The following known limitations are not otherwise documented:

- Rx CRC errors might occur on interfaces that are experiencing a heavy amount of incoming traffic. Disabling the following BIOS settings reduces the number of errors:
  - C6
  - Speedstep
  - executeDisable
  - Turbo Boost

Related Cisco UCS Documentation

Documentation Roadmaps

For a complete list of all B-Series documentation, see the Cisco UCS B-Series Servers Documentation Roadmap available at the following URL: http://www.cisco.com/go/unifiedcomputing/b-series-doc.

For a complete list of all C-Series documentation, see the Cisco UCS C-Series Servers Documentation Roadmap available at the following URL: http://www.cisco.com/go/unifiedcomputing/c-series-doc

Other Documentation Resources

An ISO file containing all B and C-Series documents is available at the following URL: http://software.cisco.com/download/type.html?mdfid=283853163&flowid=25821. From this page, click **Unified Computing System (UCS) Documentation Roadmap Bundle**.

The ISO file is updated after every major documentation release.

Follow Cisco UCS Docs on Twitter to receive document update notifications.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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