



Release Notes for Cisco Remote PHY for Cisco 1x2 / Compact Shelf RPD Software 2.2

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CONTENTS

CHAPTER 1 Introduction 1

System Requirements 1

Memory Requirements for Cisco 1x2 / Compact Shelf RPD Software 2.2 1

Hardware Supported 2

Determining the Software Version for Cisco 1x2 / Compact Shelf RPD Software 2.2 2

Microcode Software for Cisco 1x2 / Compact Shelf RPD Software 2.2 3

New and Changed Information 3

New Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2 3

Modified Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2 4

Integrated Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2 4

MIBs 4

MIBs in Cisco 1x2 / Compact Shelf RPD Software 2.2 4

Obtaining Documentation and Submitting a Service Request 4

CHAPTER 2 Caveat List 5

Cisco Bug Search 5

Open Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2 6

Resolved Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2 6

Contents



Introduction

This release notes contain information about downloading and installing Cisco 1x2 / Compact Shelf RPD Software 2.2 and its maintenance releases. It also provides new and changed information, hardware support, limitations and restrictions, and caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2 and its maintenance releases.

We recommend that you view the field notices for this release to see if your software or hardware platforms are affected. If you have an account on Cisco.com, you can find field notices at http://www.cisco.com/en/US/customer/support/tsd products field notice summary.html .

If you do not have a Cisco.com login account, you can find field notices at http://www.cisco.com/en/US/support/tsd products field notice summary.html .



Note

Cisco 1x2 / Compact Shelf RPD Software 2.2 is generally available for field deployment. However, we recommend that you validate and qualify Cisco 1x2 / Compact Shelf RPD Software 2.2 in a limited field trial with your specific network configuration requirements in order to ensure a smoother, faster, and successful field deployment.

This chapter includes the following sections:

- System Requirements, on page 1
- New and Changed Information, on page 3
- MIBs, on page 4
- Obtaining Documentation and Submitting a Service Request, on page 4

System Requirements

These sections describe the system requirements for Cisco 1x2 / Compact Shelf RPD Software and its maintenance releases:

Memory Requirements for Cisco 1x2 / Compact Shelf RPD Software 2.2



Note

Memory is not configurable for the Cisco Remote-PHY device.

Table 1: Memory Recommendations for the Cisco Remote-PHY Device

Feature Set	Cisco RPHY Processor	Software Image	Fixed Memory	Runs From
CISCO RPHY 2.2	NXP LS1043A	RPD-V2-2.itb.SSA	1G Bytes	Bootflash:

Hardware Supported

For detailed information about the hardware supported in Cisco 1x2 / Compact Shelf RPD Software and its maintenance releases, see:

http://www.cisco.com/c/en/us/td/docs/cable/cbr/installation/guide/b cbr how and what to order.html.

Determining the Software Version for Cisco 1x2 / Compact Shelf RPD Software 2.2

To determine the version of the Cisco 1x2 RPD software running on your Cisco Remote-PHY Device, log in and enter the **show version** EXEC command:

```
R-PHY#show ver
Cisco RPD Software, version v2.2, build by rpd-release, on 2017-10-24 09:06:29
Branch information:
        RPD branch: (detached from RPD V2 2 20171024)
        OpenRPD branch: (detached from RPD_V2 2 20171024)
        SeresRPD branch: (detached from RPD V2 2 20171024)
System image file is:
current image is /bootflash/RPD-V2-2.itb.SSA.act
Bootloader version:
Primary: U-Boot 2016.01 (Apr 12 2017 - 09:13:28 +0800) * Golden: U-Boot 2016.01 (Apr 12 2017 - 09:13:28 +0800)
IOFPGA version:
IOFPGA: 0x0351
SECVER: 0x17042101
System uptime:
05:15:34 up 4 min, load average: 0.76, 0.63, 0.26
System CPU information:
           : 0
processor
Features
                : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer : 0x41
CPU architecture: 8
CPU variant : 0x0
               : 0xd03
CPU part.
CPU revision
               : 1
processor
Features
               : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer: 0x41
CPU architecture: 8
CPU variant : 0x0
               : 0xd03
CPU part
CPU revision : 4
```

```
processor : 2
Features : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer: 0x41
CPU architecture: 8
CPU variant : 0x0
               : 0xd03
CPU part
CPU revision
               : 4
processor : 3
Features : fp asimd evtstrm aes pmull sha1 sha2 crc32
CPU implementer: 0x41
CPU architecture: 8
CPU variant : 0x0
CPU part
             : 0xd03
CPU revision : 4
System memory information:
MemTotal: 898128 kB
MemFree:
                210184 kB
               277148 kB
MemAvailable:
Buffers:
                  2260 kB
Cached:
                 71732 kB
Hardware Information:
Hardware Version
                             : 1.1
                            : RPHY-RPD
Product Number (PID)
PCA Serial Number
                             : CAT2109E1C9
                             : P1B-13
Asset ID
System MAC Address
                             : 10:04:9f:b1:13:00
R-PHY#
```



Note

System image file name for a factory installed image is /bootflash/RPD-V2-2.itb. System image file name for a Secure Software Download(SSD) from the Cisco software download page is /bootflash/RPD-V2-2.itb.SSA.

Microcode Software for Cisco 1x2 / Compact Shelf RPD Software 2.2

This section describes microcode software that is supported for the Cisco cBR Series Converged Broadband Routers.

For more information, see the Upgrading the Cisco cBR Series Converged Broadband Routers for Cisco IOS XE Everest 16.6.1 guide.

New and Changed Information

The following sections list the new hardware and software features supported on the Cisco cBR Series Converged Broadband Routers in this release:

New Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no new software features in Cisco 1x2 / Compact Shelf RPD Software 2.2.

Modified Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no modified software features in Cisco 1x2 / Compact Shelf RPD Software 2.2.

Integrated Software Features in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no integrated features in Cisco 1x2 / Compact Shelf RPD Software 2.2 release.

MIBs

To locate and download MIBs for selected platforms, Cisco IOS XE releases, and feature sets, use Cisco MIB Locator found at the following URL:

https://mibs.cloudapps.cisco.com/ITDIT/MIBS/servlet/index

MIBs in Cisco 1x2 / Compact Shelf RPD Software 2.2

There are no new MIBs in the Cisco 1x2 / Compact Shelf RPD Software 2.2 release.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see What's New in Cisco Product Documentation.

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the What's New in Cisco Product Documentation RSS feed. The RSS feeds are a free service.



Caveat List

This chapter describes open severity 1 and 2 caveats and select severity 3 caveats.

The *Open Caveats* section lists open caveats that apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.

The bug IDs are sorted alphanumerically.



Note

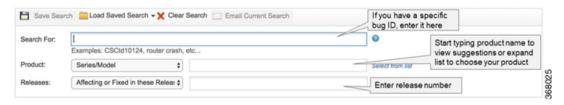
The *Caveats* section includes the bug ID and a short description of the bug. For details on the symptoms, conditions, and workaround for a specific caveat you must use the Bug Search Tool.

- Cisco Bug Search, on page 5
- Open Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2, on page 6
- Resolved Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2, on page 6

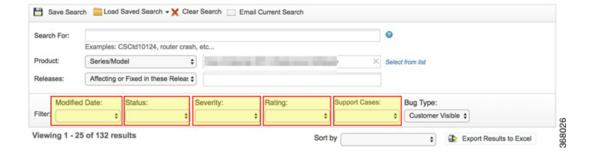
Cisco Bug Search

Use the Cisco Bug Search Tool to access open and resolved bugs for a release.

The tool allows you to search for a specific bug ID, or for all bugs specific to a product and a release.



You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.



Open Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2

Caveat ID Number	Description
CSCvg02212	RPHY: Interleaves are not support for Annex B

Resolved Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2

Caveat ID Number	Description	
CSCve18110	rpd stuck at init(clock)	
CSCve19967	RPD SSD download fail due to Cannot allocate memory	
CSCve73662	Dummy info in show cable rpd identification or version	
CSCve75751	D31:RxMER is wrong when modem online	
CSCve88972	RPD grouping take long time to choose primary	
CSCve94405	Failed to IPv6 SSD from RPD side	
CSCve96162	RPHY: Support for pre-equalization and ingress noise cancellation on RPD	
CSCvf06301	RPHY: modem p-online after change the RPD ds controller profile	
CSCvf06396	Should not print out system file path msg after SSH login to RPD	
CSCvf09983	1RU shelf: small rate downstream packets drop in low or high temperature	
CSCvf10050	RPD may take long time to be operational	
CSCvf17069	OFDM power is changed after mute and no-mute the channel	
CSCvf23411	Re-config the QAM channel will impact the existing Pilot channel setting	
CSCvf33966	traffic loss erratically when no and add back the OOB profile	

Caveat ID Number	Description	
CSCvf38677	RPD cannot be online after double failure until a reset	
CSCvf58658	RPHY: after cBR changed equalization and inc_enable, show cli can not update on node side.	
CSCvf60415	RPHY - RPD does not come online when using Interleaver depth > 1	
CSCvf70748	RPHY: interop l2tp session id duplicated when multiple SCQAM and OFDM channe	
CSCvf67474	RPD stuck and not keep rebooting	
CSCvf11078	Pilot tone power level can not be adjusted in expected range	

Resolved Caveats for Cisco 1x2 / Compact Shelf RPD Software 2.2