Release Notes for Cisco Remote PHY Shelf 7200 Software 1.4

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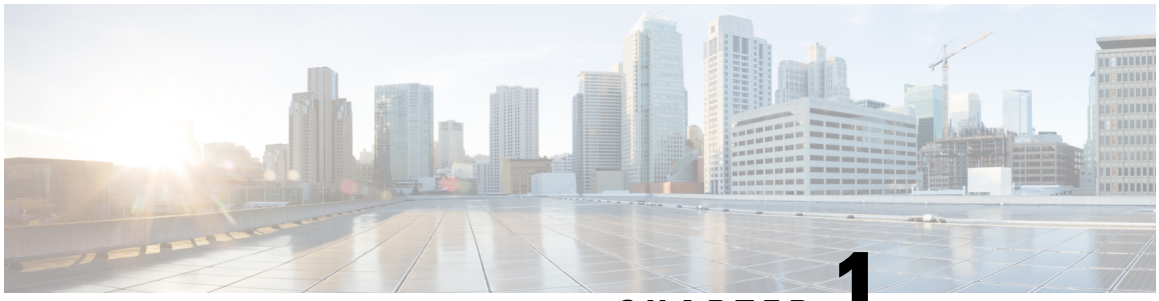


CHAPTER 1

Introduction

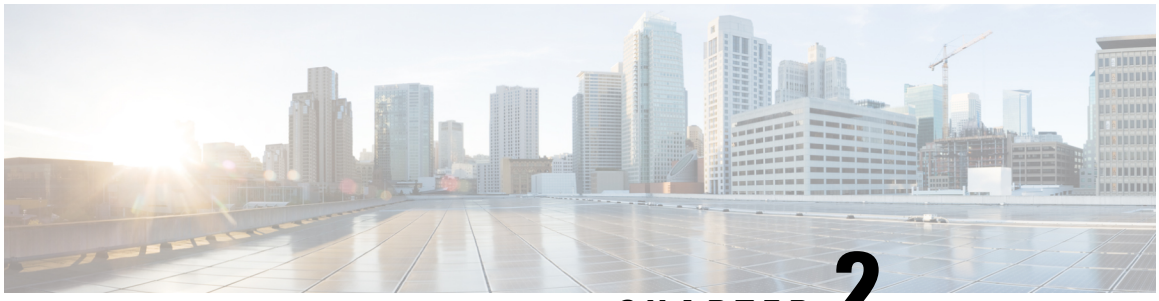
- Introduction, on page 1

Introduction

This Release Notes contain information about downloading and installing Cisco Remote PHY Shelf 7200 Software 1.4 and its maintenance releases. It also provides new and changed information, hardware support, limitations, and restrictions. The document also lists the caveats for Cisco Remote PHY Shelf 7200 Software 1.4 and its maintenance releases.

Note Before you can perform the upgrade to Cisco Remote PHY Shelf 7200 Software 1.4, ensure that the HA-shelf password is not the default password, which is *admin*. If the default password is *admin*, change the password. The Cisco Remote PHY Shelf 7200 linecards are disabled if the default password is not changed; it is enabled when the default password is changed.

Introduction



CHAPTER 2

What's New in Cisco Remote PHY Shelf 7200 Software 1.4

Note Explore the Content Hub, the all new portal that offers an enhanced product documentation experience.

- Use faceted search to locate content that is most relevant to you.
- Create customized PDFs for ready reference.
- Benefit from context-based recommendations.

Get started with the Content Hub at content.cisco.com to craft a personalized documentation experience.

Do provide feedback about your experience with the Content Hub.

Cisco is continuously enhancing the product with every release and this section covers a brief description of key features and enhancements that were added. It also includes links to detailed documentation, where available.

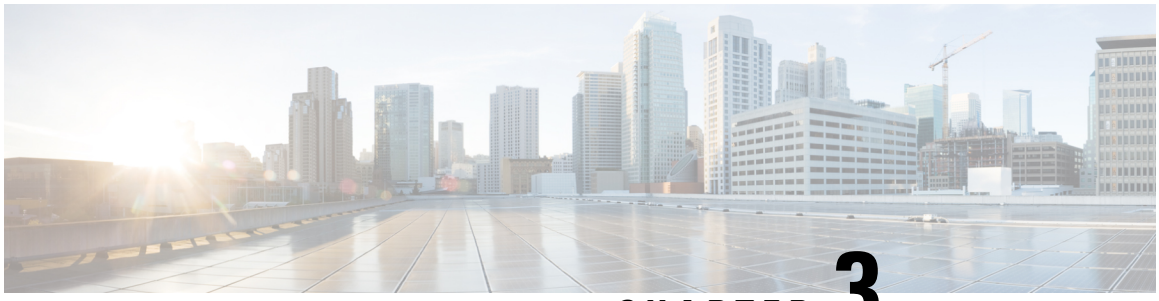
- New Software Features in Cisco Remote PHY Shelf 7200 Software 1.4, on page 3
- New Hardware Features in Cisco Remote PHY Shelf 7200 Software 1.4, on page 3

New Software Features in Cisco Remote PHY Shelf 7200 Software 1.4

There are no new software features for Cisco Remote PHY Shelf 7200 Software 1.4 release.

New Hardware Features in Cisco Remote PHY Shelf 7200 Software 1.4

There are no new hardware features for Cisco Remote PHY Shelf 7200 Software 1.4 release.



CHAPTER 3

Caveats

- Open Caveats for Cisco Remote PHY Shelf 7200 Software 1.4, on page 5
- Resolved Caveats for Cisco Remote PHY Shelf 7200 Software 1.4, on page 5
- Cisco Bug Search, on page 6

Open Caveats for Cisco Remote PHY Shelf 7200 Software 1.4

Identifier	Headline
CSCwc62567	cbr-8 and HA shelf, OFDMA channel at Init_RegProc on HA shelf not Init_Complete
CSCwd59185	some erpd can't get ipv6 address after hashelf reboot
CSCwd78543	PTP process crash when the eRPDs are not configured for one LC and then LCSO

Resolved Caveats for Cisco Remote PHY Shelf 7200 Software 1.4

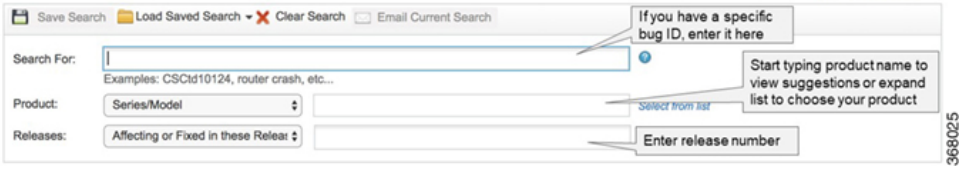
Identifier	Headline
CSCvr89842	RPHY-7200 HA Shelf - "show inventory" wrong Serial Number for PID: HA-RPHY-CHASSIS
CSCvw77606	cBR set hd-shelf value by MIB docsRphyCtrlInitProvCtrlTable failed
CSCvw80286	about 30% modems offline and re-online when lcha on hd-shelf for several times
CSCvy80740	HA shelf LCHA, some erpd docsis downstream depi configurartion lost
CSCvy82470	active and stby slot all reboot after cli trigger hdshelf lcha with 12 upstream all config
CSCwa34009	INS_PKT_CNT increasing on FPGA during high load of DOCSIS traffic and VoD (Root cause)
CSCwb01729	hashelf udhcpc events missing port number

Identifier	Headline
CSCwb23322	hashelf log_rotate cron script is not running properly in FCC
CSCwb29172	sensor_alarm traceback found on bulefin console, cause 'show environment alarm' display none
CSCwb83400	Sometimes TOD is not correct if not all erpds online in the LC
CSCwc35259	after hashelf running for a weeks ,found one LC'erpd fail online and ssh login fail
CSCwc91444	HASHELF: support security request task CT1903, disable all LCs when default credentials is used.
CSCwd13066	FCC reboot, LCHA cause other LC keep cold status
CSCwd15057	dlm not work for erpd sometimes, LCHA can more easily trigger it.
CSCwd50960	Fan type is not displayed on show platform
CSCwd70938	one LC keep printing traceback, ssh erpd fail, trace_rotate.sh process reloads

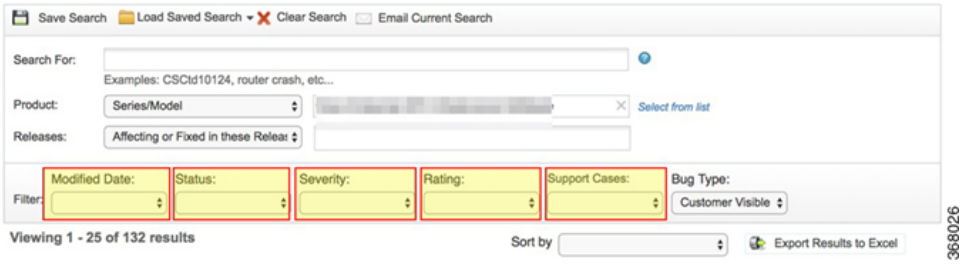
Cisco Bug Search

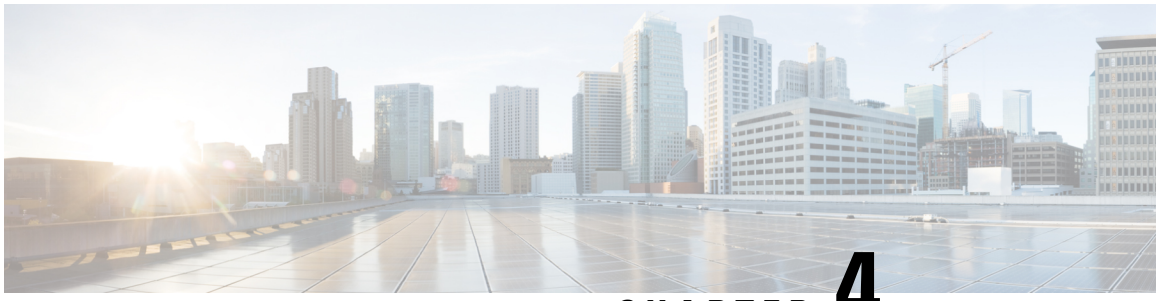
Use the Cisco Bug Search Tool to access open and resolved bugs for a release.

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.





CHAPTER 4

Supported Packages and System Requirements

- Memory Requirements, on page 7
- Hardware Supported, on page 7
- Determining the Software Version, on page 7

Memory Requirements

Note Memory is not configurable for the Cisco Remote PHY Shelf 7200 Software 1.4.

Table 1: Memory Recommendations for the Cisco Remote PHY Shelf 7200 Software 1.4

Feature Set	Cisco RPHY Processor	Software Image	Fixed Memory	Runs From
FCC	LS1043A	HA-SHELF-V1-4.itb	2GB	Bootflash:
RPD LC	LS1088	HA-SHELF-V1-4.itb	8GB	Bootflash:

Hardware Supported

For information about the supported hardware on Cisco Remote PHY Shelf 7200 Software 1.4 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.

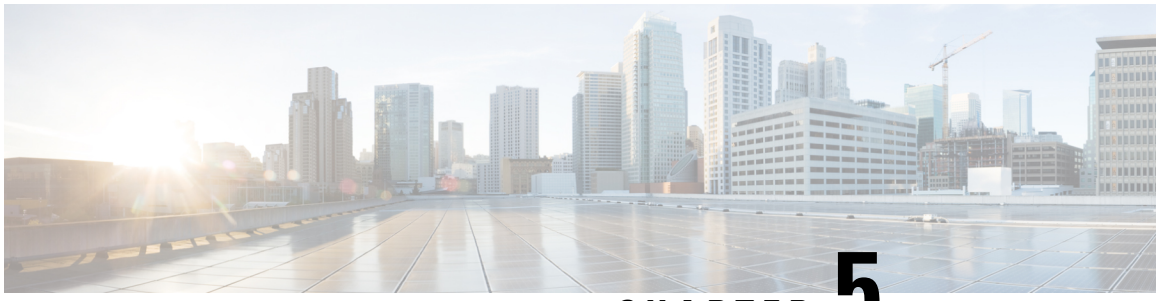
Determining the Software Version

To determine the version of the Cisco Remote PHY Shelf 7200 Software 1.4 running on your Cisco Remote PHY Shelf 7200 device from FCC, LC, eRPD, and CMTS, log in and enter the **show version** EXEC command:

```
HA-Shelf-FCC#show version
```

```
Cisco HA-Shelf Software, version v1.4, build by HA-Shelf-release, on 2022-12-07 10:47:31
Branch information:
FCC branch: (HEAD detached at HA-SHELF_V1_4_20221207)
OpenRPD branch: (HEAD detached at HA-SHELF_V1_4_20221207)

System image file:
Current image is "/bootflash/HA-SHELF-V1-4.itb"
Primary image is "/bootflash/HA-SHELF-V1-4.itb"
Secondary image is "/bootflash/hds-throttle_v1.4-221205_040000.itb.sign"

System uptime: 2 hours, 15 minutes, 30 seconds

Last reload reason: Reboot

System memory information:
MemTotal:        1861152 kB
MemFree:         1045252 kB
MemAvailable:    1299576 kB
Buffers:            2812 kB
Cached:           336528 kB

For more credits info of HA-Shelf used open source, use "show version credits"


HA-Shelf-Slot-0#show version
Cisco HA-Shelf Software, version v1.4, build by HA-Shelf-release, on 2022-12-07 10:47:31
Branch information:
Linecard branch: (HEAD detached at HA-SHELF_V1_4_20221207)
OpenRPD branch: (HEAD detached at HA-SHELF_V1_4_20221207)

System image file:
Current image is from FCC
Backup image is "/bootflash/HA-SHELF-V1-4.itb"

System uptime: 2 hours, 13 minutes, 30 seconds

Last reload reason: Reboot

System memory information:
MemTotal:        5913280 kB
MemFree:         1897588 kB
MemAvailable:    1995472 kB
Buffers:            6208 kB
Cached:           336156 kB

For more credits info of HA-Shelf used open source, use "show version credits"


HA-Shelf-eRPD-1/0#show version
Cisco HA-Shelf Software, version v1.4, build by HA-Shelf-release, on 2022-12-07 10:47:31
Branch information:
Linecard branch: (HEAD detached at HA-SHELF_V1_4_20221207)
OpenRPD branch: (HEAD detached at HA-SHELF_V1_4_20221207)

System image file:
Current image is from FCC
Backup image is "/bootflash/HA-SHELF-V1-4.itb"

System uptime: 2 hours, 13 minutes, 2 seconds

Last reload reason: Reboot

System memory information:
MemTotal:        5913280 kB
MemFree:         1894236 kB
```

```
MemAvailable:    1991076 kB
Buffers:            5668 kB
Cached:           333128 kB

For more credits info of HA-Shelf used open source, use "show version credits"


CBR8#show cable rpd badb.ad17.6020 version
Load for five secs: 59%/5%; one minute: 60%; five minutes: 56%
Time source is NTP, 12:21:17.636 CST Fri Dec 9 2022

RPD ID                          : badb.ad17.6020
SN                              : CAT2219E1RY
CurrentSwVersion                : v1.4
Boot Rom Version                : 25 *
Device DescriptionBoot          : HDShelf


CBR8#show cable rpd badb.ad17.6020 sw-version
Load for five secs: 54%/5%; one minute: 60%; five minutes: 58%
Time source is NTP, 12:23:19.735 CST Fri Dec 9 2022

RPD ID          SwVersion
badb.ad17.6020  v1.4
```



CHAPTER 5

Other Important Information

- Cisco Remote PHY Shelf 7200 and Cisco cBR Series Converged Broadband Routers Version Compatibility, on page 11
- Cisco Remote PHY Shelf 7200 Upgrade, on page 11
- Cisco Remote PHY Shelf 7200 Documentation References, on page 11
- Supported Transceiver Modules, on page 12

Cisco Remote PHY Shelf 7200 and Cisco cBR Series Converged Broadband Routers Version Compatibility

Before proceeding with the upgrading or downgrading operation, be aware that the versions of Cisco cBR-8 router and Cisco Remote PHY Shelf 7200 must be compatible. The following table provides information on the compatible cBR-8 and Cisco Remote PHY Shelf 7200 versions:

Cisco Remote PHY Shelf 7200 Software Version	Compatible Cisco cBR-8 software Version
Cisco Remote PHY Shelf 7200 Software 1.4	Cisco IOS XE Amsterdam 17.9.1w

Cisco Remote PHY Shelf 7200 Upgrade

When upgrading to Cisco Remote PHY Shelf 7200 Software 1.4 from Cisco Remote PHY Shelf 7200 Software 1.2, you must upgrade the UBoot using the firmware package provided on the Software Download page. Refer to Upgrade Guide for Cisco Remote PHY Shelf 7200 Software 1.x for more information.

When upgrading to Cisco Remote PHY Shelf 7200 Software 1.4 from Cisco Remote PHY Shelf 7200 Software 1.3, no firmware upgrade required.

Cisco Remote PHY Shelf 7200 Documentation References

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 at Cisco.com, you can find the field notices at http://www.cisco.com/en/US/customer/support/tsd_products_field_notice_summary.html.

If you do not have an account at Cisco.com, you can find the field notices at http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.

Note Cisco Remote PHY Shelf 7200 Software 1.4 is generally available for field deployment. To ensure a smoother, faster, and successful field deployment, we recommend that you validate and qualify the software in a limited field trial.

For information on Cisco Remote PHY Shelf 7200, go through the following page:

- Cisco Remote PHY Shelves

Supported Transceiver Modules

For more information on the supported transceiver modules, see Transceiver Module Group (TMG) Compatibility Matrix.