Release Notes for Cisco Smart PHY 3.2.0

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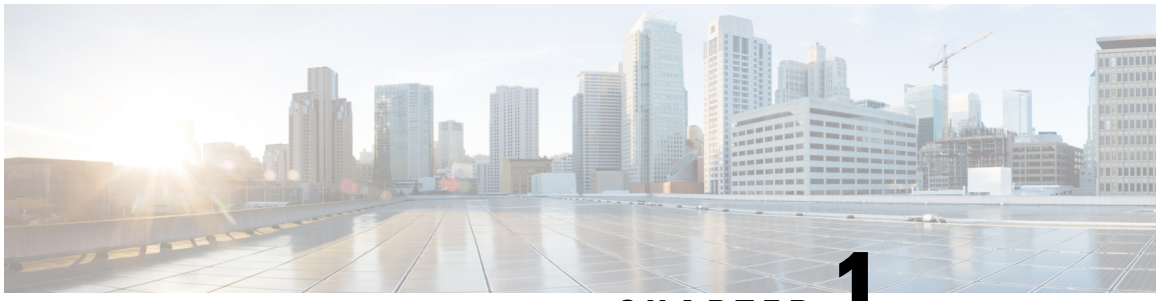


CHAPTER 1

What's New in Cisco Smart PHY 3.2.x

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 Features in Cisco Smart PHY 3.2.0, on page 1

New Features in Cisco Smart PHY 3.2.0

The new software features for Cisco Smart PHY 3.2.0 are the following:

Deployment of Cisco Smart PHY on Non UCS Environment

From this release, you can deploy Cisco Smart PHY on a non-UCS environment like customer-managed VMware infrastructure. The preferred deployment environment is Cisco Unified Computing System (UCS M5).

For details of deploying Cisco Smart PHY application, see *Cisco Smart PHY Installation Guide*.

Supports a Unique NDF Pseudowire Configuration

Cisco Smart PHY supports three NDF pseudowires for each downstream (DS) port, which adds up to 6 pseudowires for both the downstream ports on the second DS of the 2x2 RPD.

Supports Increased RPD Base Power Range

You can configure the RPD base power at a new range of 20–61 dBmV.

You can also configure the RPD base power and tilt parameters (frequency and slope) on all RPD types (1x1, 1x2, 2x2). This configuration is not limited to RPD shelves.

You must configure these parameters on the RPD for overwriting Cisco cBR-8 parameters. Following are the supported base power ranges:

- Node RPDs: 20–22 dBmV.
- Shelf RPDs: 24–61 dBmV.

Enhancements to GCP Redirect

Supports i15 CableLabs specifications for GCP redirect messages. However, to maintain compatibility with earlier versions, Cisco Smart PHY continues to use the old format unless you configure the new i15 version.

To enable i15, use the following procedure:

1. Create a file `rpdVersion.config` in the `/data/smartphy/config` directory in all three nodes.
2. Specify the RPD vendor name and version where you want to enable i15in the following syntax:

   ```
   <vendor: Vendor_Name>, <version: Version_Number>
   ```

   If the RPD vendor and the version, match with the file, Cisco Smart PHY redirects in the i15 format.

   If the file is not found or is empty, RPDs redirect with the old GCP redirect format without i15 changes.

   Following is a sample entry in the `rpdVersion.config` file:

   ```
   vendor: cisco.*, version: v9.5.* (with regex)
   vendor: Cisco, Version: v9.4 (exact match)
   ```

Enhancements to GCP Redirect Notification

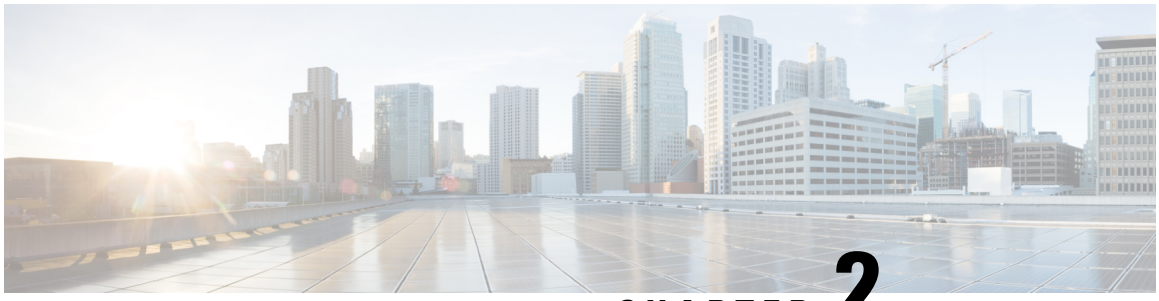
Processes the results of each GCP redirect notification. The result is available in the **RPD Details** window.

Enhancements to UI

When you create Service Definition, you can choose the Service Group Profiles available from the Cisco cBR-8 devices.

Enhancements to CSV Record Import

Allows you to import the records of 500 RPDs using the Smart PHY CSV file.



CHAPTER 2

Caveats

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Open Caveats in Cisco Smart PHY 3.2.0

The following caveats are found in the Cisco Smart PHY application:

Caveat ID Number	Description
CSCvx76464	Redis leader election fails at times and Cisco Smart PHY UI does not work in multi-node setup.
CSCvz73292	Cisco Smart PHY shows `ConfigurePushError` when RPD is edited with MD split enabled.
CSCvz12369	Existing CBR-8 inventory parameters not getting updated when inventory CSV file is used
CSCwa22234	Unable to delete RPD from RPD assignment page via UI/API, when only unmanaged principal core is con

Resolved Caveats in Cisco Smart PHY 3.2.0

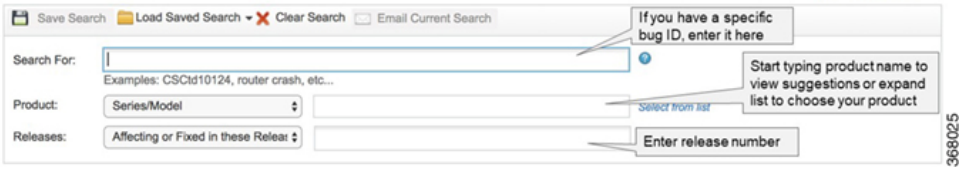
The following caveats are found in the Cisco Smart PHY application:

Caveat ID Number	Description
CSCvx75112	Inventory data not getting imported all the time soon after a fresh install

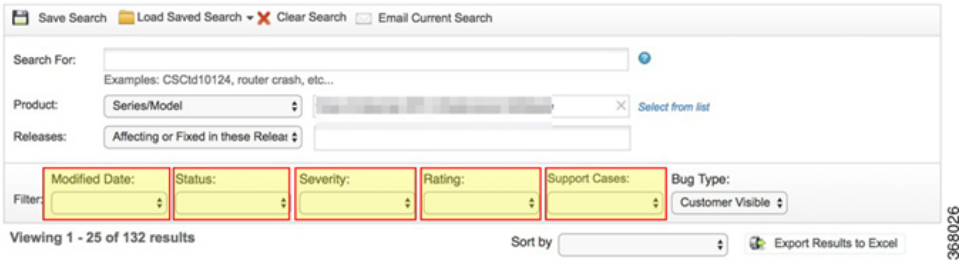
Cisco Bug Search

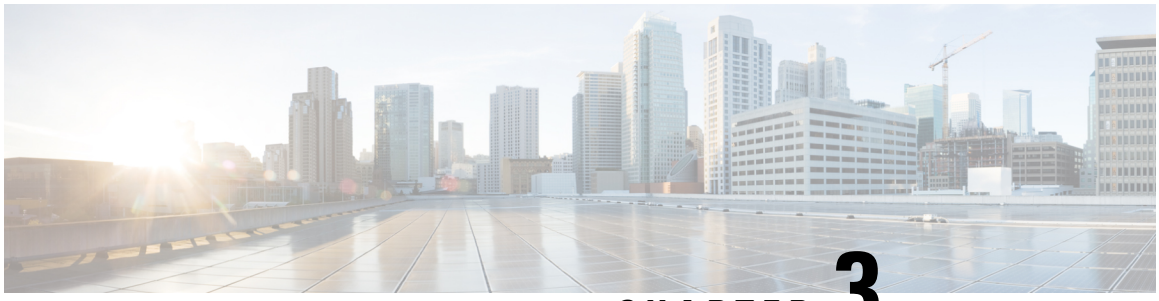
Use the Cisco Bug Search Tool to access open and resolved bugs for a release.

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.





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Other Important Information

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Software Version Compatibility

The following table shows the supported web browsers and the versions of Cisco cBR-8 router and RPD that are compatible to Cisco Smart PHY application 21.3.

Browser Version	Cisco cBR-8 Router Version	Cisco RPD Version
• Mozilla Firefox 88 and later • Google Chrome 90 and later • Microsoft Edge 90 and later	Cisco IOS XE Gibraltar 16.12.1z2 Cisco IOS XE Amsterdam 17.3.1z Cisco IOS XE Bengaluru 17.6.1	Cisco RPD 10.2

Cisco Smart PHY 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 Smart PHY is generally available for field deployment. However, we recommend that you validate and qualify Cisco Smart PHY in a limited field trial with your specific network configuration requirements in order to ensure a smoother, faster, and successful field deployment.

For information on Cisco Smart PHY, go through the following links:

- Cisco Smart PHY Install and Upgrade Guides
- Cisco Smart PHY User Guide

- Cisco Smart PHY Other Product Documentation