Release Notes for Cisco Smart PHY and Cisco Operations Hub 24.2

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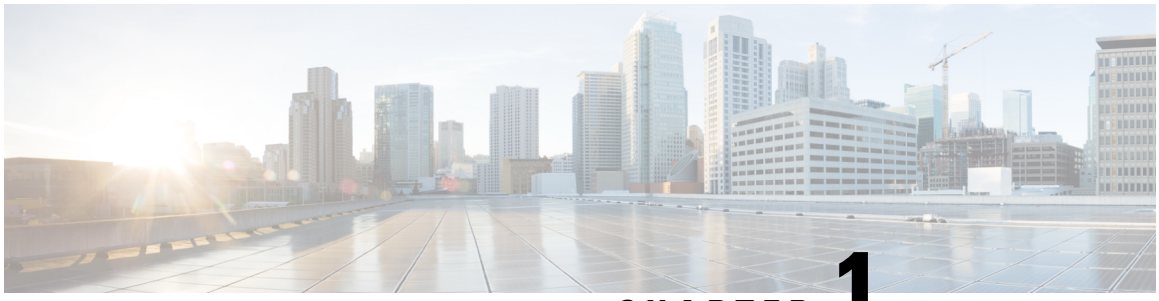


CHAPTER 1

What's New

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.

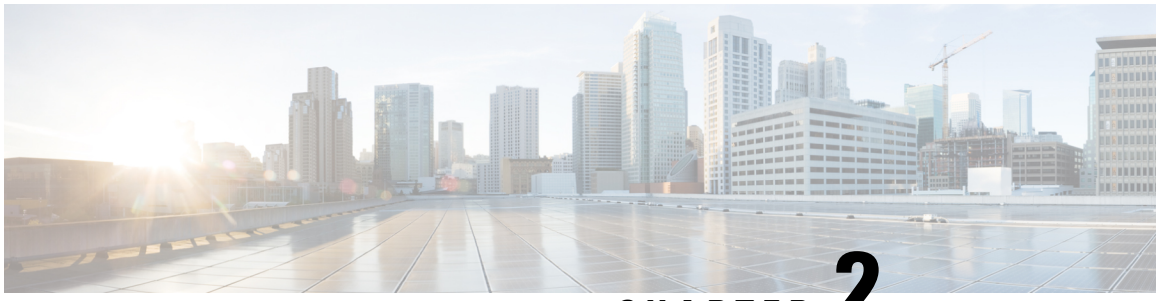
Cisco is continuously enhancing the product with every release and this section covers a brief description of key features and enhancements that were added. It also includes links to detailed documentation, where available.

• New Features for Cisco Smart PHY and Cisco Operations Hub 24.2, on page 1

New Features for Cisco Smart PHY and Cisco Operations Hub 24.2

Feature	Description
Infrastructure Enhancements	
Modernized and Refreshed Smart PHY NSO Error Messages	Smart PHY displays NSO-related errors in a user-friendly format, and only shows useful or relevant information regarding the NSO error.
Standardizing All 2/3 Sidebar Table Views	Smart PHY has consistent standardized functionality across all its 2/3 sidebar tables.
RPD Provisioning Enhancements	

Feature	Description
Configure Maximum Retries for RPD SSD Operations	With this release, you can configure the maximum number of Smart PHY's failed consecutive SSD operations and also configure the duration between the retry attempts. Enabling this feature allows you to manually configure and provide better control of the retry attempts and duration, instead of the default indefinite duration and retry attempts.
Support for 128 RPDs per Line Card	Smart PHY's supports 128 RPDs per Line Card. A total of 32 DOCSIS Service Groups + 32 Video Service Groups can be configured on a Kobol-R line card (CBR-CCAP-LC-G2-R). This adds support for an additional 32 new Video Service Groups (downstream-video) in addition to the existing 32 Service Groups (downstream-cable).
Other Enhancements	
I15 Specifications - GCP Redirect Global Configuration	With this release, if an RPD fails to be redirected using Smart PHY's I15 compliant GCP Redirect, then you can configure a redirect of the same RPD with its original pre-I15 redirect behavior.



CHAPTER 2

Caveats

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.

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.

- Open Caveats in Cisco Smart PHY 24.2, on page 3
- Resolved Caveats in Cisco Smart PHY 24.2, on page 3
- Cisco Bug Search, on page 4

Open Caveats in Cisco Smart PHY 24.2

Identifier	Headline
CSCwk70443	On Smart PHY 24.1.2 -> Fails to import of RPD Association CSV taken from Smart PHY-24.1 version [Error: Data core IP Address is NULL]
CSCwk77923	Newly added core after DB import won't come online when first csv import without a matching credential profile
CSCwm49811	Sometime it needs to perform Save to SmartPHY twice to update correct peer rpds list in DB

Resolved Caveats in Cisco Smart PHY 24.2

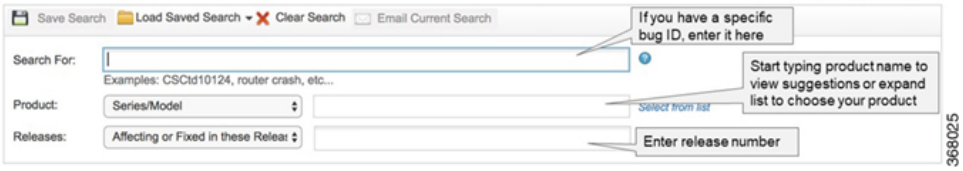
Identifier	Headline
CSCwj69664	Ordering in aux core configuration can result in cosmetic reconciliation warnings
CSCwk70433	Reconciliation panel does not update diff data
CSCwk70436	SmartPHY should not change default cBR CLIs

Identifier	Headline
CSCwk70438	RPD should not be reprovisioned when pilot tone profile is changed in Service Definition
CSCwk70440	Reconciliation reports config deviation for 2x2 when none is present
CSCwk76743	Multiple core reconciliation shows as deviation when two RPDs are configured in different cBR8s with same controller id
CSCwk80761	Behavior change needed for RPD location description
CSCwk80766	UI element overlaps text in drop down lists
CSCwm07936	Reduce Smart PHY retries after hitting ConfigPushError
CSCwm14555	If you select "x keep, 0 replace" option, csv import won't proceed
CSCwm49128	Reconciliation is finding diffs for fiber-node configs that are the same CLIs
CSCwm56980	Reconciliation incorrectly reports config deviation for 2x2 peerRpds
CSCwm54113	SmartPHY found deviation caused by extra space in same CLI
CSCwm65452	base-power not Reconciled after Save to SmartPHY

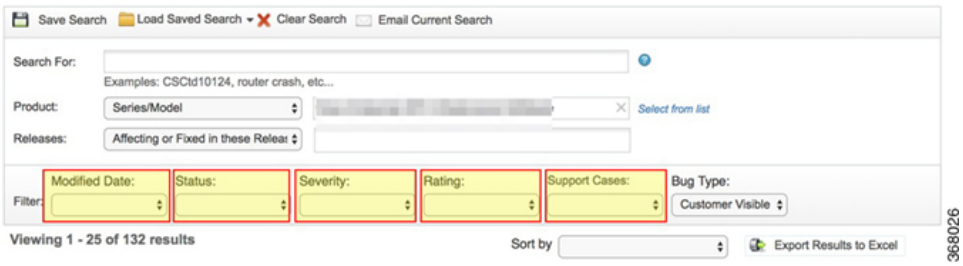
Cisco Bug Search

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.



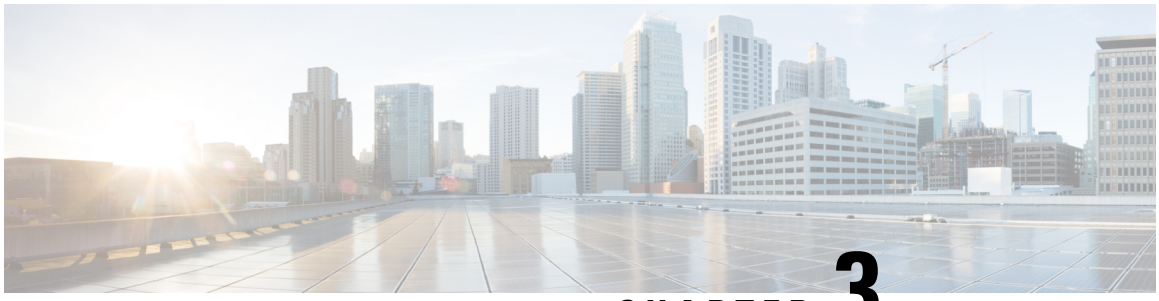
You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.



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.



CHAPTER 3

Other Important Information

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- Cisco Smart PHY Documentation References, on page 8

Software Version Compatibility For Cisco Smart PHY 24.2

The following table shows the supported operating systems, web browsers, and the versions of Cisco cBR-8 router and RPD that are compatible with Cisco Smart PHY Application 24.2.

Table 1: Software Version Compatibility For Cisco Smart PHY 24.2

Software	Supported Versions
Operating System	• Mac OS 12 and later • Windows 10 and later
Browser	• Mozilla Firefox Version 129 and later • Google Chrome Version 129 and later • Microsoft Edge Version 130 and later
Cisco cBR-8 Router	• Cisco IOS XE Dublin 17.15.1w • Cisco IOS XE Dublin 17.12.1z1
Cisco RPD	Cisco RPD 10.8 (Compatible with Cisco IOS XE Dublin 17.15.1w & 17.12.1z1)
Smart PHY Upgrade	You cannot upgrade older versions of Cisco Smart PHY to Cisco Smart PHY, Release 24.2 using In-Place Software Upgrade.

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 Operations Hub and Smart PHY REST API Guide
- Cisco Smart PHY Other Product Documentation