Release Notes for Cisco Smart PHY and Cisco Operations Hub 24.1.1

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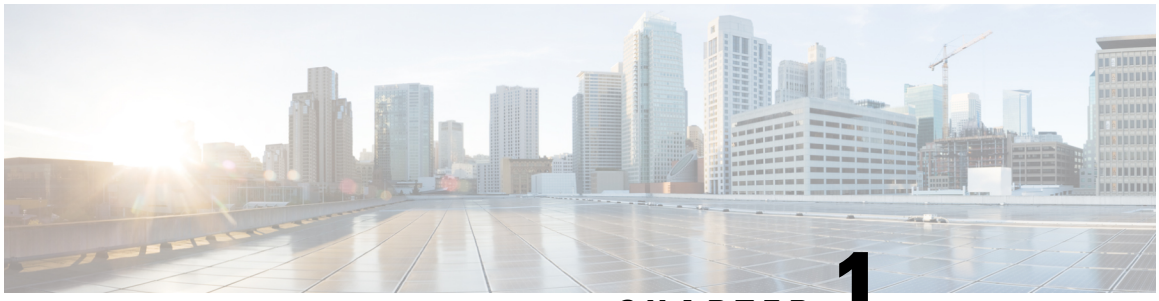


CHAPTER 1

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 24.1.1, on page 1
- New Features for Cisco Smart PHY and Cisco Operations Hub 24.1, on page 2

New Features for Cisco Smart PHY and Cisco Operations Hub 24.1.1

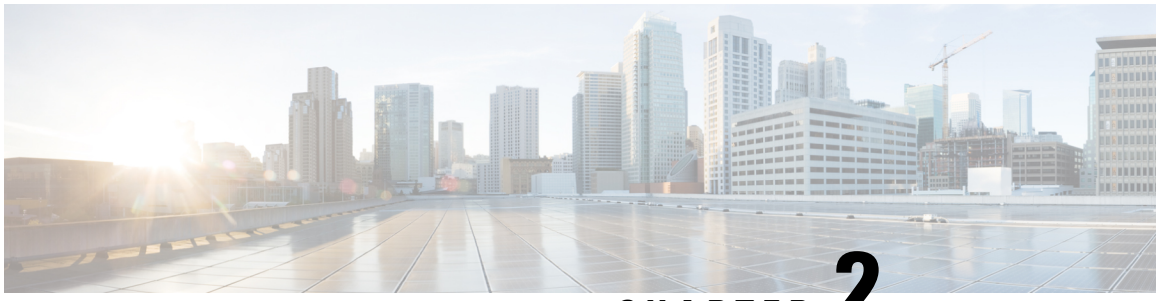
Feature	Description
Infrastructure and Deployment Enhancements	
Single NIC for NB and SB communication for Multi-node cluster	You can optionally deploy an All in one (AIO) or Multi-node cluster with a single vNIC.
RPD Provisioning	

Feature	Description
MAC Domain Split and US Bonding Group Enhancements	In this release, we have updated the MAC Domain Split functionality in Smart PHY. The Modification affects the validations for US Bonding Groups in a Service Group Profile, where additional validations for US Channels are included in Service Group Profile.
Other Enhancements	
NSO Enhancements	We have upgraded the Embedded NSO version to 6.1.8.

New Features for Cisco Smart PHY and Cisco Operations Hub 24.1

Feature	Description
Infrastructure and Deployment Enhancements	
Auto Deployer User Interface Enhancements	You can use guided flows in the Operations Hub Deployer GUI to: • Install a new cluster. • Upgrade, patch, and provision NIC on existing clusters. • Validate a cluster configuration file before using it.
General Upgrades	We have included multiple Security patches, upgraded 3rd party components and upgraded the Grafana version to 9.2.20.
RPD Provisioning and NSO Enhancements	
Support for 2x4 RPD	Cisco Smart PHY supports 2x4 RPD configurations in addition to 1x1, 1x2, and 2x2 RPD configurations.
Support for Using a Wildcard Character in the RPD Vendor and RPD Model Names	• When you create an SSD Profile, you can use a Wildcard character when you input the RPD Vendor and RPD Model names. • File Path in SSD profiles is supported.
NTF-ERR Support	Smart PHY can handle Error Notifications from RPD. Smart PHY adhers to CableLab specifications.
Enhancements for RPD Config Push Errors	In this release, we have enabled: • Easier identification of RPD Config Push errors. • Enhanced retry mechanism for Config Push Errors.
NSO Enhancements	We have upgraded the Embedded NSO version to 6.1.6.
Reconciliation Enhancements	

Feature	Description
cBR-8 Configuration Reconciliation Logic Enhancements	Smart PHY's cBR-8 configuration reconciliation logic is enhanced. You can trigger reconciliation for multiple cBR-8 simultaneously and perform reconciliation on one or more selected RPDs for a cBR-8 router. You can also reconcile 2x4 RPDs.
Reconciliation Reporting Enhancements	We have added enhanced reporting functionalities to review deviation and reconciliation actions offline.



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 24.1.1, on page 5
- Resolved Caveats in Cisco Smart PHY 24.1.1, on page 5
- Open Caveats in Cisco Smart PHY 24.1, on page 6
- Resolved Caveats in Cisco Smart PHY 24.1, on page 6
- Cisco Bug Search, on page 6

Open Caveats in Cisco Smart PHY 24.1.1

There are no new open caveats in the Cisco Smart PHY 24.1.1 release.

Resolved Caveats in Cisco Smart PHY 24.1.1

Identifier	Headline
CSCwi60786	After a Smart PHY upgrade, cBR-8 is appearing offline in Smart PHY UI
CSCwi72496	Support overlapping US bonding group with MD Split in Smart PHY
CSCwi82324	Incorrect deviation seen after modifying Latitude / Longitude values for Video Cores
CSCwi82325	Incorrect reconcile report in 2x4 RPD for DS 1st Logical Pairing RF parameters
CSCwi82326	Incorrect deviation report seen for US Port #1 RF Profile in 1x2 RPD
CSCwi87379	The primary-vip-ipv6 for any MN setup should have a CIDR value in between the range 1 to 112

Identifier	Headline
CSCwj04290	Smart PHY generates extra channels in fiber-node that were not defined in service group profile
CSCwj15305	SSH algorithm mismatch warning seen in cBR8
CSCwj15741	Reconciliation shows deviation when 2x2 RPD configured on same data and video are same
CSCwj33102	cBR8 is not coming online in Smart PHY because of AAA authentication failure
CSCwj35243	Reconciliation reports config deviation for 2x4 when none is present

Open Caveats in Cisco Smart PHY 24.1

Identifier	Headline
CSCwi60786	After a Smart PHY upgrade, cBR-8 is appearing offline in Smart PHY UI
CSCwi72496	Support overlapping US bonding group with MD Split in Smart PHY

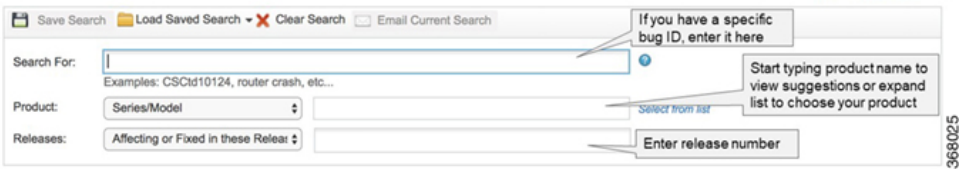
Resolved Caveats in Cisco Smart PHY 24.1

Identifier	Headline
CSCwh88982	DSG TgList is not reconciled properly
CSCwh88989	Highlighted Configuration deviation was offset by one line in the reconcile report
CSCwh97305	Service definition 1/3 side bar displays values as "-" when set to "0"
CSCwi07723	Health Monitoring & RBAC APIs fail with 500/401 error inconsistently

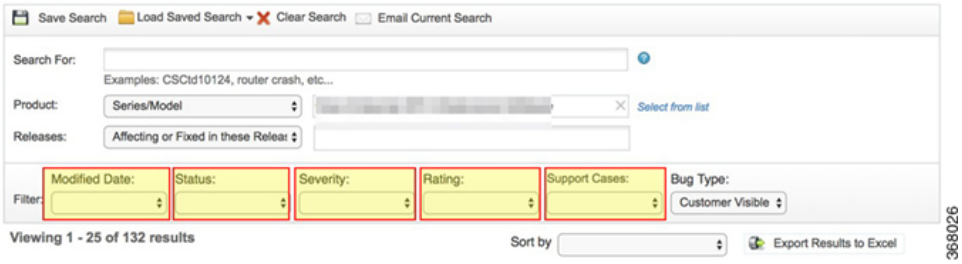
Cisco Bug Search

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.



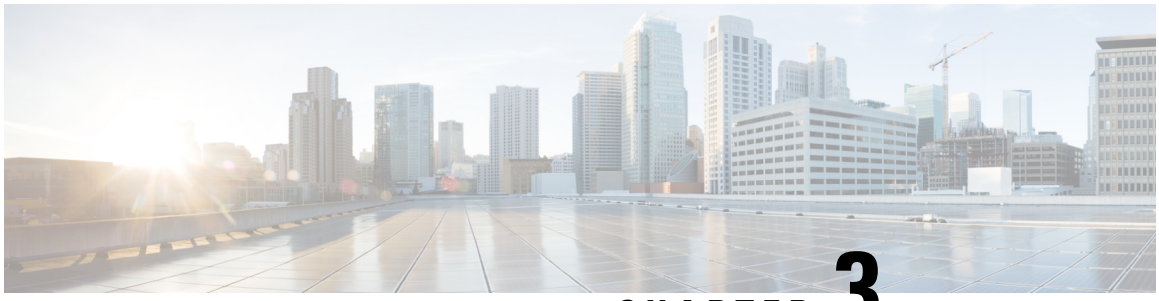
You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.



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

- Software Version Compatibility For Cisco Smart PHY 24.1.1 and 24.1, on page 9
- Cisco Smart PHY Documentation References, on page 10

Software Version Compatibility For Cisco Smart PHY 24.1.1 and 24.1

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 24.1.1 and 24.1.

Table 1: Software Version Compatibility For Cisco Smart PHY 24.1.1 and 24.1

Software	Supported Versions
Operating System	• Mac OS 12 and later • Windows 10 and later
Browser	• Mozilla Firefox Version 122 and later • Google Chrome Version 120 and later • Microsoft Edge Version 120 and later
Cisco cBR-8 Router	• Cisco IOS XE Dublin 17.12.1x • Cisco IOS XE Cupertino 17.9.1y1
Cisco RPD	• Cisco RPD 10.7 (Compatible with Cisco IOS XE Dublin 17.12.1x) • Cisco RPD 10.6 (Compatible with Cisco IOS XE Cupertino 17.9.1y1) • Cisco RPD 10.5 (Compatible with Cisco IOS XE Cupertino 17.9.1y1)

Software	Supported Versions
Smart PHY Upgrade	Cisco Smart PHY 24.1 Release is upgrade ready. You can upgrade to 24.1 from 23.3, 23.2, 23.1, 22.4, and 22.3.1 releases. Cisco Smart PHY 24.1.1 Release is upgrade ready. You can upgrade to 24.1.1 from 24.1, 23.3, 23.2, 23.1, 22.4, and 22.3.1 releases.

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