Release Notes for Cisco Smart PHY and Cisco Operations Hub 23.1

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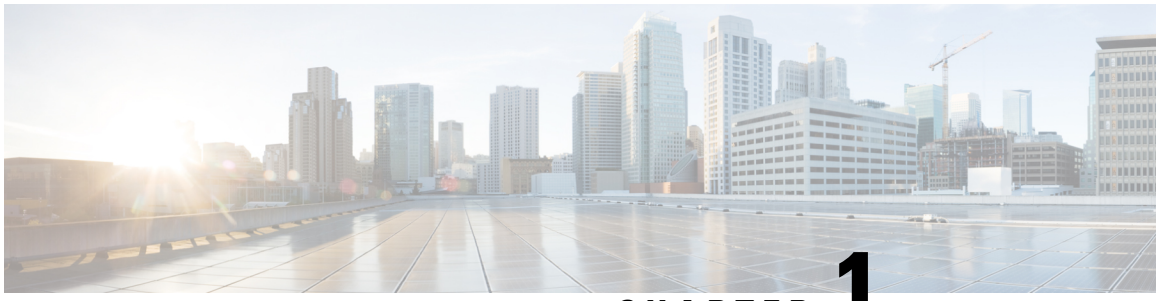


CHAPTER 1

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 23.1, on page 1

New Features for Cisco Smart PHY and Cisco Operations Hub 23.1

Feature	Description
Infrastructure Improvements	
Cluster Maintenance Support	Cisco Operations Hub allows cluster maintenance tasks during cluster planned maintenance window or node failure.
TLS Certificate Management	Cisco Operations Hub supports the configuration of Ingress TLS Certificate using Operations Hub WebUI.
Smart License Management	Cisco Operations Hub supports Cisco Smart Licensing where users can reserve and configure RPD license using Operations Hub WebUI.
Upgrade of Ubuntu and K8s Version	Ubuntu is upgraded to v20.04 and K8s is upgraded to v1.24.

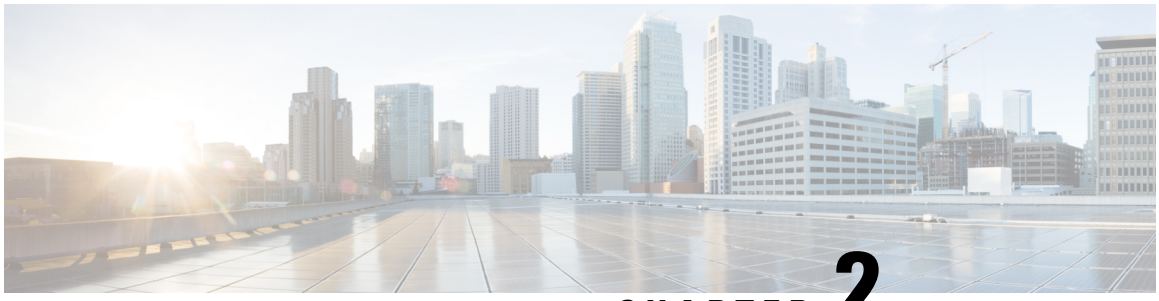
Feature	Description
RPD Provisioning Enhancements	
Configure Multiple Video Cores for RPDs	Smart PHY supports multiple CCAP cores for Video Service configuration.
Bulk RPD Provisioning Insights	You can view the real-time status of pending, executing, and completed RPD Provisioning tasks from a dedicated UI.

Feature	Description
cBR-8 Configuration Reconciliation enhancements	You can perform Smart PHY Reconciliation using Smart PHY WebUI.

Feature	Description
Clearing Smart PHY Database Without Redeploying the Cluster	You can clear (delete) all the data within the Smart PHY database without having to redeploy the cluster. This operation is similar to a factory reset.

Feature	Description
Smart PHY UI Updates	User Interfaces changes include: • Overview page: Additional Provisioning KPIs and new Application KPIs have been added. The KPIs include- Provisioning Tasks (Succeeded and Failed), GCP Redirects, Cloud Node status, Micro Services status, API Server status, and Smart Licensing status. • Inventory and RPD Associations pages: A dedicated 360° View table action is added. • RPD 360° View sidebar: An Overview tab has been added to the sidebar. • CCAP 360° View sidebar: An Uptime KPI has been added to the Overview tab. RPDs associated to a CCAP device are also visible. • Search fields have been added to dropdown menus.

Feature	Description
Smart PHY Upgrade	Cisco Smart PHY 23.1 Release is upgrade ready. You can upgrade to 23.1 from 22.4, 22.3.1, 22.3, and 22.2.1 releases.



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 23.1, on page 3
- Resolved Caveats in Cisco Smart PHY 23.1, on page 4
- Cisco Bug Search, on page 4

Open Caveats in Cisco Smart PHY 23.1

Identifier	Headline
CSCwe68788	Unplanned maintenance of the infra node will lead to an ETCD node crash
CSCwe80896	In-place upgrade takes a long time.
CSCwe87486	After RPD Mac address reconciliation, RPD information not showing as expected
CSCwe87491	In reconciliation report for 1x2 and 2x2 RPD US Controller ID value in Smart PHY show up as Null.
CSCwe87812	Newly provisioned TLS certificate is not showing up correctly in UI
CSCwe97401	Inventory page of Smart PHY shows error "Service not available, try again after some time." as inventory-manager pod is not in Running state
CSCwf09183	RPD CSV Import having Multiple Video Core fails

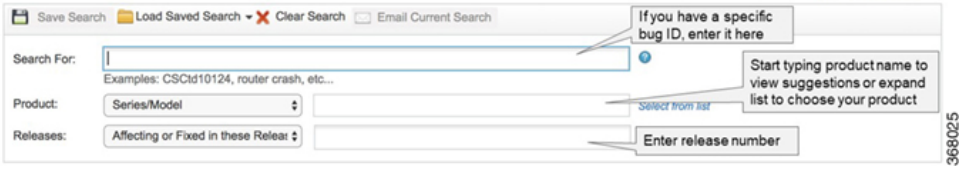
Resolved Caveats in Cisco Smart PHY 23.1

Identifier	Headline
CSCwe11906	NDF, NDR Failure messages are not clear
CSCwe98487	Defined filter will cause RPD association page to go blank intermittently
CSCwe98452	TLS certificate upload gives file extension error

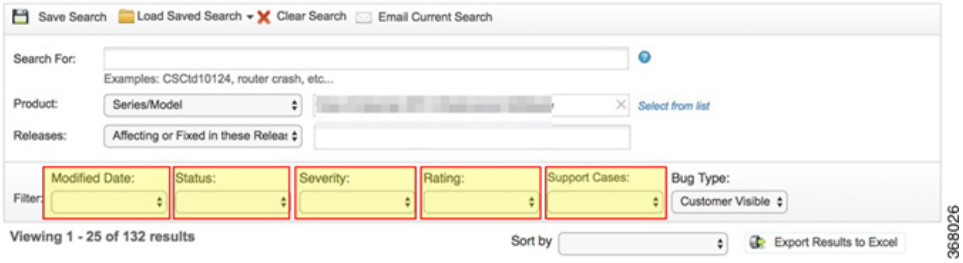
Cisco Bug Search

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.



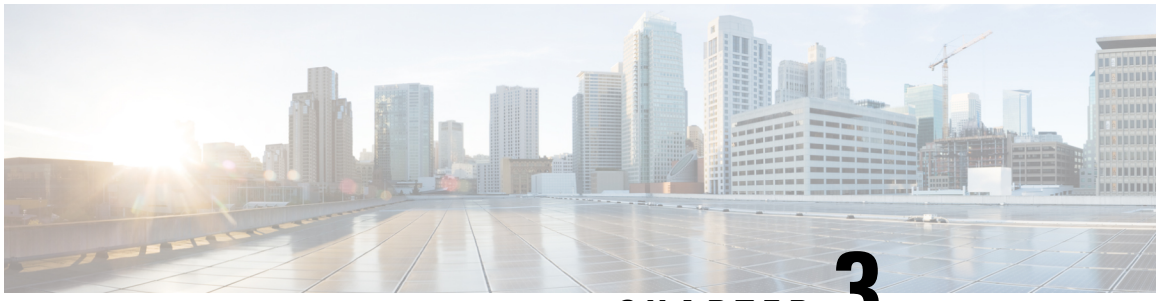
You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.



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 23.1, on page 5
- Cisco Smart PHY Documentation References, on page 5

Software Version Compatibility For Cisco Smart PHY 23.1

The following table shows the supported web browsers and the versions of Cisco cBR-8 router and RPD that are compatible with Cisco Smart PHY Application 23.1.

Browser Version	Cisco cBR-8 Router Version	Cisco RPD Version
• Mozilla Firefox Version 111 and later • Google Chrome Version 111 and later • Microsoft Edge Version 111 and later	• Cisco IOS XE Cupertino 17.9.1y • Cisco IOS XE Cupertino 17.9.1x • Cisco IOS XE Gibraltar 16.12.1z2 and Cisco IOS XE Gibraltar 16.12.1z2 ES	• Cisco RPD 10.5 (Compatible with Cisco IOS XE Cupertino 17.9.1y and Cisco IOS XE Cupertino 17.9.1x) • Cisco RPD 10.4 (Compatible with Cisco IOS XE Cupertino 17.9.1x) **Note** RPD version should be compatible with cBR-8 versions.

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