Release Notes for Cisco Smart PHY 22.1

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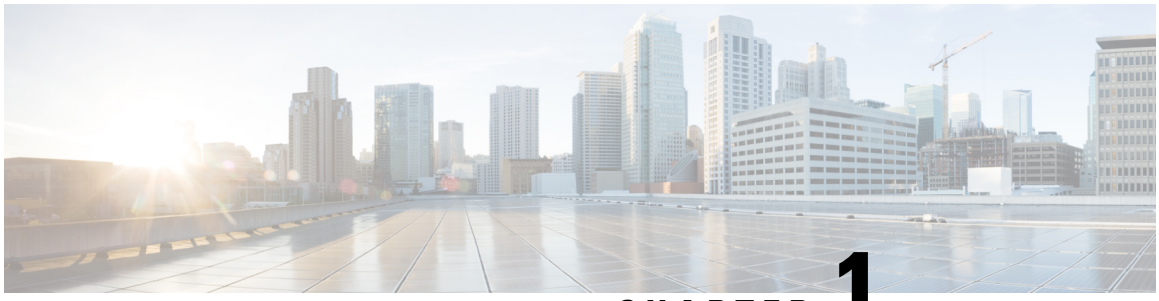


CHAPTER 1

What's New in Cisco Smart PHY 22.1

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 22.1, on page 1

New Features in Cisco Smart PHY 22.1

New software features for Cisco Smart PHY 22.1 are the following:

Provisioning Enhancements

- This release introduces RF power adjust profiles. An RF power adjust profile consists of an RF channel list and an RF power adjustment value. Applying an RF power adjust profile to a service definition gives you the flexibility to modify the RPD's downstream RF power output on a per-channel basis.
- Ability to configure two OFDMA channels per upstream controller.
- A new user interface that is used to manage GCP redirect configuration.
- Cisco Smart PHY's configuration micro-service (cfg-service) is upgraded to version 5.7.1, NED is upgraded to version 6.77.10.
- Two new API endpoints that are used to:
  - Create and delete service definitions in bulk.

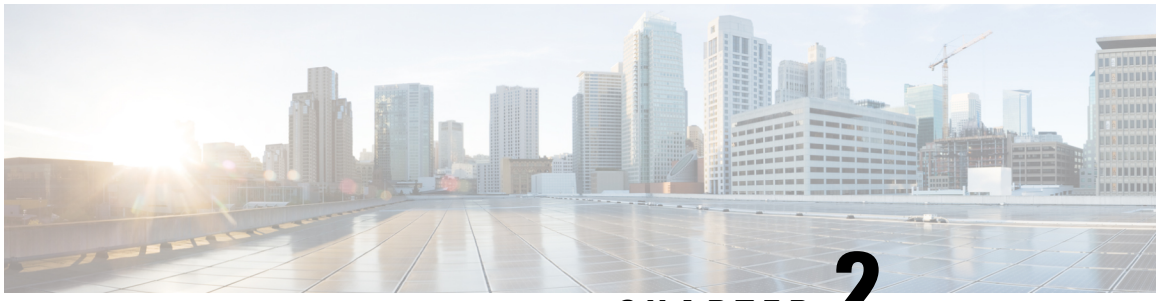
- Retrieve current RPD configuration from cBR8.

Operational and Monitoring Changes

- Stores and displays IPv6 addresses in lowercase in compliance with section 4.3 of IETF RFC 5952.
- Cisco Operations Hub introduces the capability to export its configuration, including:
  - RBAC & User management data
  - Login banner content
  - Tags
  - User-created Grafana dashboards
  - User-created Kibana dashboards
- Supports production deployments of All-in-One (AIO) Operations Hub clusters.
- Several Grafana dashboards in Cisco Operations Hub's Dashboard section are updated.

Infrastructure Improvements

- Cisco Operations Hub and Smart PHY add support for VMware vSphere 7.
- Cisco Operations Hub and Smart PHY add support for in-place upgrades to future releases.
- Cisco Operations Hub adds support for path-based ingress URL routing.
  - This improvement simplifies the DNS configuration that is required to deploy and operate a cluster.
  - The Deployer VM still requires host-based ingress URL routing.
- The Auto Deployer is upgraded and adds support for the following cluster deployment options:
  - Assignment of multiple NTP servers
  - Customization of a cluster’s pod, service, and container subnets
  - Deployments into a user-created vCenter datastore folder



CHAPTER 2

Caveats

- Open Caveats in Cisco Smart PHY 22.1, on page 3
- Resolved Caveats in Cisco Smart PHY 22.1, on page 3
- Cisco Bug Search, on page 4

Open Caveats in Cisco Smart PHY 22.1

Caveat ID Number	Description
CSCwb20669	RF power adjustment configuartion not cleaned up properly in cBR8.
CSCwb06506	No error message shown when 2x2 specific service definition changes are pushed to 1x1 RPDs.
CSCwb22367	NDF/NDR profiles are not cleaned up properly in cBR8.
CSCwb33213	OOB profiles are not cleaned up properly in cBR8.
CSCwb33603	RPD edit operation not working for 1x2 RPD from Smart PHY UI; DS / US data service groups show "-".
CSCwb33699	All RPDs are not listed in the UI on performing 'save & assign' after editing Service Definition.

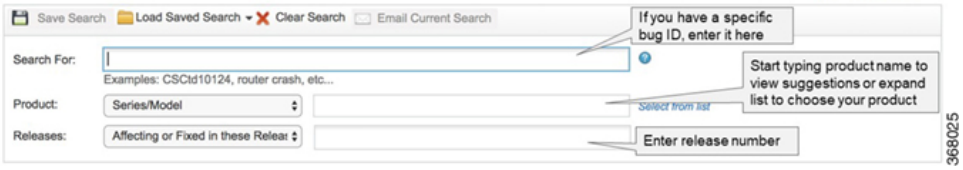
Resolved Caveats in Cisco Smart PHY 22.1

Caveat ID Number	Description
CSCwa16318	'Container KPI Details' & 'Container KPI Overview' Dashboards are missing Data.
CSCwa22340	Smart PHY 21.3 autodeployer mandates private-key-file tag in day 0.
CSCwa31101	Sample Inventory and RPD Association CSV templates are broken.

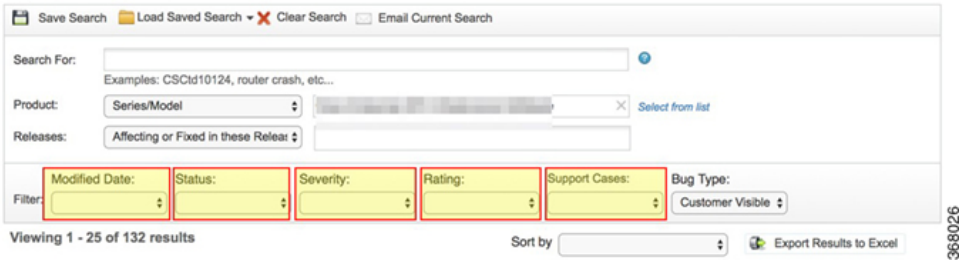
Cisco Bug Search

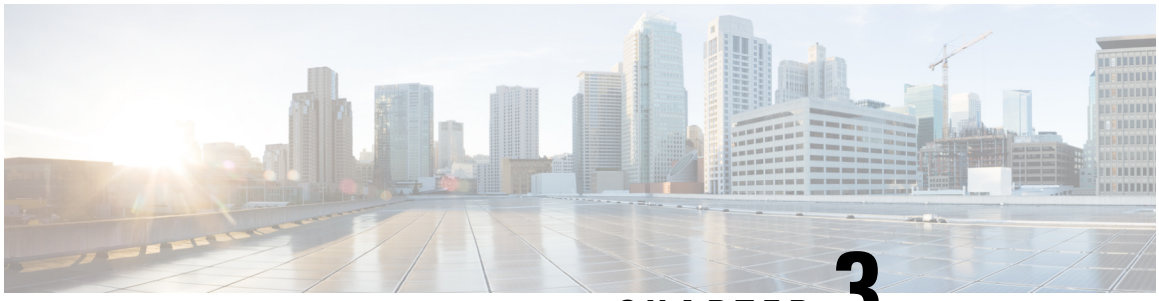
Use the Cisco Bug Search Tool to access open and resolved bugs for a release.

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 3

Other Important Information

- Software Version Compatibility, on page 5
- Cisco Smart PHY Documentation References, on page 5

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 22.1.

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 Bengaluru 17.6.1x Cisco IOS XE Bengaluru 17.6.1y	Cisco RPD 10.3

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