Release Notes for Cisco Smart PHY and Cisco Operations Hub 22.2.1

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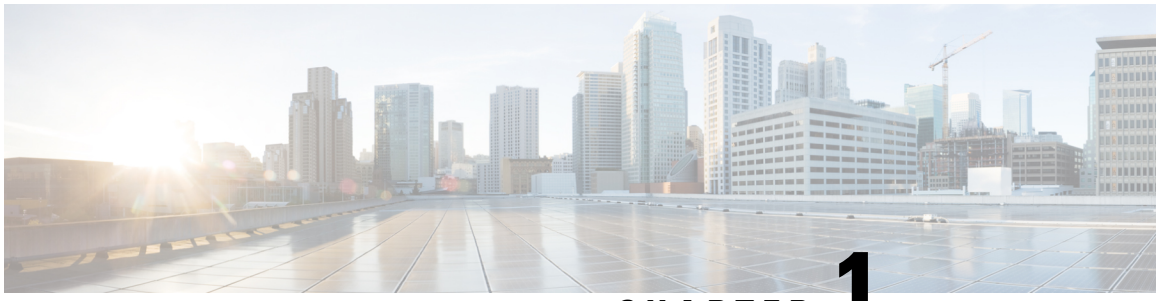


CHAPTER 1

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 22.2.1, on page 1
- New Features for Cisco Smart PHY and Cisco Operations Hub 22.2, on page 2

New Features for Cisco Smart PHY and Cisco Operations Hub 22.2.1

There are no new software features for Cisco Smart PHY and Cisco Operations Hub 22.2.1.

Note We highly recommend that you upgrade to Cisco Smart PHY 22.2.1.

New Features for Cisco Smart PHY and Cisco Operations Hub 22.2

Feature	Description
Infrastructure Improvements	
Support for Open Lightweight Directory Access Protocol (LDAP) and Multiple LDAP Servers	Cisco Operations Hub supports LDAP compatible directory servers, including Open LDAP and Microsoft Active Directory (AD). As an administrator, you can enable LDAP authentication and provide access to other users. You can add multiple LDAP servers for LDAP authentication.
Cluster Health Monitoring	Cisco Operations Hub supports viewing and monitoring of the cluster health using the alert management feature. An alert is raised when there is an issue and you can take necessary action based on the severity of the alert. You can view the cluster health information using the **Kubernetes Cluster Health** dashboard.

Feature	Description
Operational Enhancements	
TAC Debug Package	You can create TAC debug package for a cluster. The collected information helps the TAC team to debug and troubleshoot the issue at the earliest.
IPv6 Dual Stack on support on external cluster interfaces	Support that is extended to configure IPv6 dual stack key configuration key parameters on an external cluster interface.
Flexibility to automatically redirect HTTP to HTTPS requests during login	A new Day-0 deployment option that enables Administrators to automatically redirect requests received over HTTP to HTTPS in Cisco Operations hub.

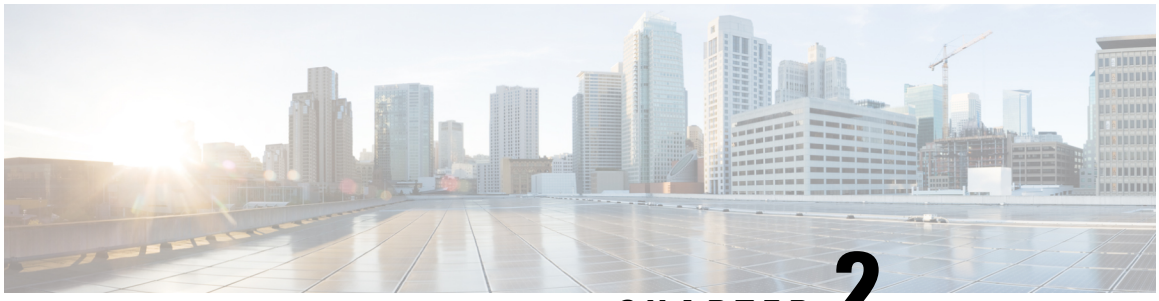
Feature	Description
New Modern Smart PHY UI	
Modernized and refreshed User Interface	Refer the following sections for more information on the refreshed UI: • System Settings and Appearance Theme • Credential Management • Inventory Management • RPD Association • Service Definition

Feature	Description
URL Navigation Changes	URL paths were updated to match the page names used in the new UI. For more information: • System Settings and Appearance Theme • Credential Management • Inventory Management • RPD Association • Service Definition
Dark Theme	Support for dark appearance theme.

Feature	Description
RPD Provisioning Enhancements	
Service Definition Enhancement	• Introduction of Service Definition version to track the Service Definition changes. The versioning helps to identify the RPDs running specific versions of a Service Definition. • Forced Config Push features enables your to edit Service Definition and push service impacting change to RPD(s) through a Force Config push option. Smart PHY deletes and readds the RPDs automatically.
RF Power Adjust Profile Enhancement	You can disable one or more RF Power Adjust Profiles that are assigned in the Service Definition, while creating or editing an RPD Association and apply a new RF Power Adjust Profile.
Multi Core Atomic Provisioning	• Atomic transactions when multiple cores are involved. • Automatic rollback on transaction failure.

Feature	Description
Smart PHY Upgrade	
Support for Cisco Smart PHY In-Place Software Upgrade	You can perform in-place upgrade on Cisco Smart PHY. Use it to update your existing your existing installation to the new version of Cisco Smart PHY, retaining your existing configuration.

Feature	Description
cBR-8 Reconciliation	
cBR-8 Configuration Reconciliation	You can now detect the configuration mismatches between the cBR-8 router and Smart PHY cluster. This helps in reconciling the configuration between both the entities so that the configuration set are in sync with each other and eliminates the need of reprovisioning of RPDs effectively and saves time.



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 22.2.1, on page 5
- Resolved Caveats in Cisco Smart PHY 22.2.1, on page 5
- Open Caveats in Cisco Smart PHY 22.2, on page 7
- Resolved Caveats in Cisco Smart PHY 22.2, on page 7
- Cisco Bug Search, on page 8

Open Caveats in Cisco Smart PHY 22.2.1

Identifier	Headline
CSCwc31701	RPD Associations UI: tag details are not updated on the table when RPD is edited
CSCwc27833	In MN cluster deployments, Kibana may go into crash-loop after a SW upgrade from 22.1 to 22.2.1
CSCwd00479	Unable to export db on smartphy cluster

Resolved Caveats in Cisco Smart PHY 22.2.1

Identifier	Headline
CSCwc23765	In-place upgrade to 22.2 will fail when vCenter password is changed sometime after the 22.1 install.

Identifier	Headline
CSCwa19390	Hit ResourceAllocationError after apply service impacting changes in service template to online rpds
CSCwc75563	[RPD] RPD config history shows AUX configuration name, when there is no oob or Video Configured Via
CSCwc39822	Service Definition version is not updated when same name is reused across Service Definition version
CSCwc89737	Smart PHY not sending proper error when different ServiceGroup Profile is used across "Peer RPDs"
CSCwc22552	Warning message isn't displayed when service affecting parameters are modified during RPD Edit Oper.
CSCwc31461	The Details column in the RPD 360 State History tab incorrectly lists CCAP Core interface status.
CSCwb06506	No error message shown when 2x2 specific service definition changes are pushed to 1x1 RPDs
CSCwd04046	RPD is not provisioned with OOB parameters when a 2x2 Service Definition is used for 1x1 RPD
CSCwc28664	Fiber node DS channel unnecessarily rearranged after service definition parameter change
CSCwc33552	After importing a DB onto a 22.2 cluster, RPDs not provisioned on a cBR-8 cannot be deleted.
CSCwc27245	Cassandra or Redis pods not getting scheduled after fresh installation of cluster
CSCwc75558	Kafka cluster not coming up.
CSCwc19149	A change to an RPDâs VSG is treated as service affecting (cfg rip & replace) oper, it should not be.
CSCwc31983	Logins fail after in-place upgrade to 22.2 when the admin password is changed after the 22.1 deploym
CSCwc43772	NDF/NDR parameters in Service Definition UI page getting removed while adding new NDF/NDR entries
CSCwc42744	cBR-8 went missing in RPD Association page after an upgrade but visible in Inventory page (network/K
CSCwc29728	Tags assigned through Inventory page do not appear in RPD Association page or in RPD Details
CSCwc25995	Service impacting changes in SD failed after save and assign to provisioned RPDs
CSCwc29533	Aux configuration fails silently when a duplicate RPD MAC is already configured on Aux core

Open Caveats in Cisco Smart PHY 22.2

Identifier	Headline
CSCwc23765	In-place upgrade to 22.2 fails when vCenter password is changed sometime after the 22.1 install.
CSCwc53597	Not able to create service definition from GUI when both NDF and NDR parameters are provided together.
CSCwc39822	Service Definition version is not updated when same name is reused across Service Definition version.
CSCwc22552	Warning message is not displayed when service affecting parameters are modified during an RPD Edit Operation.
CSCwc31461	The **Details** column in the **RPD 360 State History** tab incorrectly lists CCAP Core interface status.
CSCwc27833	In MN cluster deployments, Kibana may go into crash-loop after a successful in-place software upgrade.
CSCwc33552	After importing a DB onto a 22.2 cluster, RPDs that are not provisioned on a cBR-8 cannot be deleted.
CSCwc27245	Cassandra or Redis pods not getting scheduled after fresh installation of cluster.
CSCwc19149	A change to an RPD's VSG is treated as service affecting (cfg rip & replace) oper, it should not be.
CSCwc31983	Logins fail after an in-place upgrade to 22.2 when the admin PW is changed after the 22.1 deployment.
CSCwc42744	cBR-8 went missing in **RPD Association** page after an upgrade but visible in **Inventory** page.
CSCwc29728	Tags that are assigned through **Inventory** page do not appear in **RPD Association** page or in RPD Details.
CSCwc43772	NDF/NDR parameters in the **Service Definition** UI page getting removed while adding new NDF/NDR entries.
CSCwc29533	Aux configuration fails silently when a duplicate RPD MAC is already configured on an Aux core.

Resolved Caveats in Cisco Smart PHY 22.2

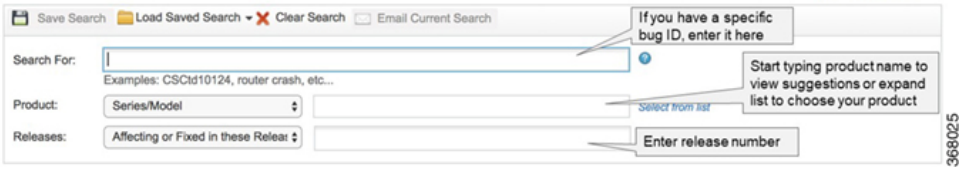
Identifier	Headline
CSCwb20669	RF power adjustment configuration not cleaned up properly in cBR8

Identifier	Headline
CSCwb06506	No error message shown when 2x2 specific service definition changes are pushed to 1x1 RPDs
CSCwb33699	All RPDs are not listed in the UI on performing 'save & assign' after editing Service Definition
CSCwb33213	OOB profiles are not cleaned up properly in cBR8
CSCwb22367	NDF/NDR 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 "-"

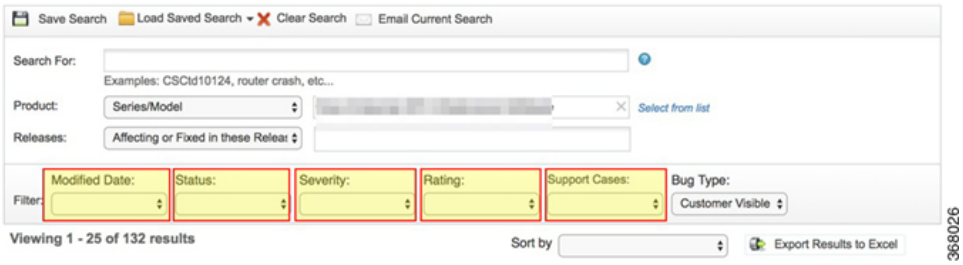
Cisco Bug Search

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.



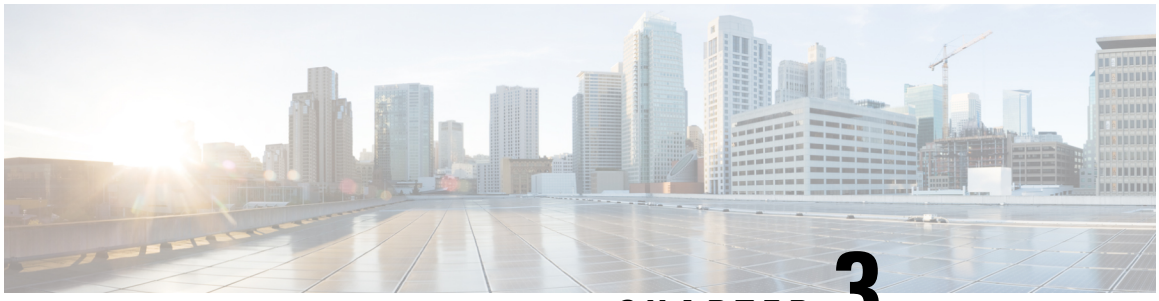
You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.



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 22.2.1, on page 9
- Software Version Compatibility For Cisco Smart PHY 22.2, on page 9
- Cisco Smart PHY Documentation References, on page 10

Software Version Compatibility For Cisco Smart PHY 22.2.1

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 22.2.1.

Browser Version	Cisco cBR-8 Router Version	Cisco RPD Version
• Mozilla Firefox Version 101 and later • Google Chrome Version 102 and later • Microsoft Edge Version 102 and later	Cisco IOS XE Bengaluru 17.6.1z Cisco IOS XE Gibraltar 16.12.1z2 Cisco IOS XE Gibraltar 16.12.1z2.ES	Cisco RPD 10.3 **Note** RPD version should be compatible with cBR-8 versions.

Software Version Compatibility For Cisco Smart PHY 22.2

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 22.2.

Browser Version	Cisco cBR-8 Router Version	Cisco RPD Version
• Mozilla Firefox Version 101 and later • Google Chrome Version 102 and later • Microsoft Edge Version 102 and later	Cisco IOS XE Bengaluru 17.6.1z Cisco IOS XE Gibraltar 16.12.1z2 Cisco IOS XE Gibraltar 16.12.1z2.ES	Cisco RPD 10.3 **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