What's New

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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 22.3.1

Cisco Smart PHY and Cisco Operations Hub 22.3.1 is a maintenance release and contains no new features.

New Features for Cisco Smart PHY and Cisco Operations Hub 22.3

Feature	Description
Infrastructure Improvements	

Feature	Description
Path Based URL Enhancements	Deployer VM supports path-based URL. Smart PHY only needs two DNS entries as a prerequisite for installation. • `cluster.example.com` (DNS entry for Cluster) • `deployer.example.com` (DNS entry for Deployer)
LDAP Connectivity checks	When adding an LDAP configuration, you can perform a connectivity check and verify end-to-end LDAP connectivity. You need valid user credentials along with LDAP configuration, to perform the connectivity check. If you trigger **Validate LDAP Configuration** and if there is LDAP connectivity failure, then an error message with the reason of failure is displayed.
K8 Version	K8 version is upgraded to 1.22.
Auto-deploy change	• Auto-deploy has **ansible playbook** capabilities for better control and flexibility during installation and upgrading processes. To run this **ansible playbook**, you must copy the cluster VMs SSH private key to the upgrade location in the staging server. • A Cluster recovery mechanism is added which recovers the cluster if the first sync attempt fails during the cluster upgrade. As part of the recovery process all cluster VMs are recreated without data loss. • Secure boot can be enabled through autodeployer day0 configuration during fresh installation.

Feature	Description
Debuggability Enhancements	
TAC Debug Package	TAC Debug Packages are collections of logs and other operational data that can be easily shared with Cisco TAC Engineers. You can collect the information from Operations Hub GUI. The latest TAC Debug package is visible on top. You can delete or download the package on demand.
Dashboard Updates	Miscellaneous changes in Kibana dashboard are performed to make the log information more comprehensive. There is also a dedicated Smart PHY debug log dashboard.

Feature	Description
RPD Provisioning Enhancements	
US port description	• Smart PHY can be used to set a description for the Upstream Port level. Description can be set while creating and editing RPD operations. RPD-US Port Description can be set at Port 0, Port 1 or both Port 0 and Port 1 based on RPD segmentation (1x1, 1x2 and 2x2). • RPD US Port Description can be Imported & Exported • US Port Description is not a service impacting change.

Feature	Description
Shelf and Base Power Enhancements	When RPD is provisioned as a "SHELF", the `typeshelf` CLI is pushed to both Principal and Aux Core(s). Along with Base-power, if Tilt Pivot Freq and Tilt Slope are configured, then they are also be pushed to all the cores.
DB Backup	DB backup also includes Tag information.

Feature	Description
Smart PHY Upgrade	
Smart PHY Upgrade	Smart PHY 22.3 is upgrade ready. Upgrade path must be Cisco Smart PHY 22.2 > Cisco Smart PHY 22.2.1 > Cisco Smart PHY 22.3.

Feature	Description
Service Definition Enhancements	
Latest Service Definition	You can assign the latest service definition to one or more RPDs in RPD Association page. Smart PHY handles service affecting changes smartly and reprovisions the RPDs in case service affecting changes are applicable in the latest version of the Service Definition.
RPD Fetch	[API Only] You can fetch RPDs that are not running on the latest service definition.