What's New in Cisco Smart PHY 22.1

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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 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