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# Cisco: Hyperflex PowerPack Release Notes

Version 104

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## Overview

Version 104 of the *Cisco: Hyperflex PowerPack* updates collections to continue to work after the deprecation of REST APIs in version 4.5 of the Cisco HyperFlex API.

- **Minimum Required SL1 Version:** 12.2.0

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## Before You Install or Upgrade

Ensure that you are running version 12.2.0 or later of SL1 before installing "Cisco: Hyperflex" PowerPack version 104.

**NOTE:** For details on upgrading SL1, see the relevant [SL1 Platform Release Notes](#).

**NOTE:** The *Cisco: Hyperflex PowerPack* supports only HyperFlex version 4.0 and later.

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## Installing or Upgrading the PowerPack

To install this PowerPack:

1. Search for and download the PowerPack from the **PowerPacks** page (Product Downloads > PowerPacks & SyncPacks) at the [ScienceLogic Support Site](#).
2. In SL1, go to the **PowerPacks** page (System > Manage > PowerPacks).
3. Click the **Actions** menu and choose *Import PowerPack*. The **Import PowerPack** modal appears.
4. Click **[Browse]** and navigate to the PowerPack file from step 1.
5. Select the PowerPack file and click **[Import]**. The **PowerPack Installer** modal displays a list of the PowerPack contents.
6. Click **[Install]**. The PowerPack is added to the **PowerPack Manager** page.

**TIP:** By default, installing a new version of a PowerPack will overwrite all content in that PowerPack that has already been installed on the target system. You can use the **Enable Selective PowerPack Field Protection** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent the new version of the PowerPack from overwriting local changes for some commonly customized fields.

**NOTE:** If you are currently using the Dynamic Applications in this PowerPack to monitor devices, collection errors might occur for one or two polling cycles during the installation of a new version. To prevent collection errors during an upgrade, you can optionally disable collection for monitored devices before performing the following steps and re-enable collection after the upgrade.

For more information about using the PowerPack, see the **Monitoring Cisco: Hyperflex** manual.

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## Features

This release includes the following features:

- An example credential you can use to create SOAP/XML credentials to connect to HyperFlex data clusters
- Dynamic Applications to discover and monitor HyperFlex data clusters
- A Device Class for HyperFlex data clusters
- Event Policies and corresponding alerts that are triggered when HyperFlex data clusters meet certain status criteria
- A Run Book Action and Policy to ensure that HyperFlex devices are classified to the appropriate Device Class

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## Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 104 of the "Cisco: Hyperflex" PowerPack:

- Updated the PowerPack to be Python 3-compatible.
- Addressed an issue that caused network calls made by the "silo\_cisco\_hyperflex" library to fail due to unauthenticated network requests made with the "RequestManager" class. (Case: 00377301)
- Removed all snippets that were deprecated in version 103 of this PowerPack.
- Removed the "Cisco: Hyperflex CLI Cache" Dynamic Application.

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## Known Issues and Workarounds

The following known issues affect version 104 of the *Cisco: Hyperflex* PowerPack:

- This PowerPack is designed for Hyperflex clusters with HX appliance types. UCS appliance types are not fully supported. While overall collection will work when these types exist in the environment, some Dynamic Applications may not function correctly.
- When upgrading the PowerPack directly from version 102 to 104, or from version 102 to 103 to 104, the "Cisco: Hyperflex Device Class Realignment" run book action policy may display an event error and fail to assign a device class to a device. To work around this issue, delete the event from the **[Events]** tab in the Device Summary. The run book action policy will execute and assign the corresponding device class in the next collection cycle.
- The "Cisco: Hyperflex Service Configuration" Dynamic Application will stop collecting data when the "/rest/services" endpoint is deprecated.
- In SL1 version 8.10.0, the following Minor events are displayed for the "Cisco: Hyperflex Resiliency Stats" Dynamic Application:

```
78:StorageProcl: Non-digits in oid with object id: 18882, did:4 in  
dynamic app:1625 when updating performance value (val:NA)
```

```
78:StorageProcl: Non-digits in oid with object id: 18876, did:4 in  
dynamic app:1625 when updating performance value (val:NA)
```

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