Identifying Advisories in Your Nexus Dashboard, Release 4.3.1

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New and changed information

The following table provides an overview of the significant changes up to this current release. The table does not provide an exhaustive list of all changes or of the new features up to this release.

Release Version	Feature	Description
Nexus Dashboard 4.3.1	*Detecting Anomalies and Identifying Advisories in Your Nexus Dashboard* article now split into two articles	Prior to this release, a single *Detecting Anomalies and Identifying Advisories in Your Nexus Dashboard* article provided information on both anomalies and advisories. Beginning with this release, that information is now split into two separate articles: · *Detecting Anomalies in Your Nexus Dashboard* · *Identifying Advisories in Your Nexus Dashboard* (this article)
Nexus Dashboard 4.3.1	Fabric group support	Beginning with Nexus Dashboard release 4.3.1, you can now view advisory information at the fabric group level. For more information, see View advisories for a fabric group.

Advisories

Nexus Dashboard identifies field notices, software and hardware end-of-life and end-of-sale announcements, as well as PSIRTs that can potentially impact the network fabrics that it is monitoring, and generate advisories. Advisories provides recommendations to keep your network under support and running in optimal conditions.

Advisories in Nexus Dashboard provide details of relevant impact from field notices, PSIRTs, EoL/EoS of hardware and software, and best practices. You can view the advisories by level and category for a particular fabric based on the selected time range.

Comprehensive security advisories that evaluate device configurations require a bug scan, which is available with the Advantage tier subscription. Essentials tier subscribers receive security advisories based only on device software versions. For more information about bug scan, refer to the section "Collecting information on bugs that might affect your network using Bug scan" in Analyzing and Troubleshooting Your Network.

When Advisories identifies field notices that can potentially impact the network fabrics that it is monitoring, Nexus Dashboard validates the serial number of the devices in the fabrics against a list of affected device serial numbers in each field notice. If a serial number is not included in a field notice, Nexus Dashboard excludes that field notice. For Advisories to validate the device serial numbers, Nexus Dashboard must have an Internet connection and be connected to and registered to Cisco Intersight. Without such connectivity, Advisories cannot validate the serial numbers, which can result in Advisories incorrectly including field notices that do not apply. Not all field notices include serial number validation.

Click a particular advisory to view information such as What's wrong, What's the impact, and How do I fix it.

- What's wrong? provides problem description with the specific affected objects.
- What's the impact? explains what will happen if the problem is not fixed and includes end-of-sale key dates.
- How do I fix it? provides prescriptive recommendations.

Advisories enable you to stay current with

- new software and hardware availability
- hardware and software EoS and EoL announcements and lead time for upgrades
- PSIRTs and field notices, which helps you stay secure and compliant, and
- instant visibility into applicable bugs.

Advisories are classified into three levels: critical, major, and warning.

- **Critical**: Advisories are shown as critical when there are unsupported infrastructure and the severity of the bugs associated with notices is Severity1. Some of the examples include:
  - When switches in a fabric are running under End-of-Life conditions. When a critical (Severity1) field notice or PSIRT has been issued for a switch or software version currently running in your network.

- **Major**: Advisories are shown as major when the severity of the bugs associated with notices is Severity2. Some of the examples include:
  - When a critical (Severity2) field notice or PSIRT has been issued for a switch or software version currently running in your network.
- **Warning**: Advisories are shown as warning when there is support for potentially at risk infrastructure and the severity of the bugs associated with notices is Severity3. Some of the examples include:
  - When switches in a fabric are approaching end-of-life conditions. When a Severity3 field notice or PSIRT has been issued for a switch or software version currently running in your network.

Navigate to Advisories

You can view advisories in Nexus Dashboard at different levels such as across all fabrics, for a specific fabric, for a specific switch, or for system-wide advisories. Use the following methods to access advisory details.

- View all advisories across all fabrics
- View advisories for a single fabric
- View advisories for a fabric group
- View security advisories
- View advisories for a single switch
- View system advisories

View all advisories across all fabrics

Follow these steps to view all advisories across all fabrics.

1. Navigate to **Analyze** > **Advisories**.

   This displays all advisories detected across all fabrics in your environment.

View advisories for a single fabric

Follow these steps to view the advisories for a single fabric.

1. Navigate to **Manage** > **Fabrics**.
2. Click the appropriate fabric from the list of fabrics.

   The **Overview** page for that fabric appears.

3. Click the **Advisories** tab to view advisories specific to that fabric.

View advisories for a fabric group

Follow these steps to view the advisories for a fabric group.

1. Navigate to **Manage** > **Fabrics > Fabric groups**.
2. Click the appropriate fabric group from the list of fabric groups.

   The **Overview** page for that fabric group appears.

   The advisory summary values displayed in the **Overview** page are an aggregation of the advisory values of all member fabrics.

3. Click the **Advisories** tab to view advisories specific to that fabric group.

   Advisories belonging to member fabrics list the member fabric name in the Fabric column.

View security advisories

Follow these steps to view the security advisories.

1. Navigate to **Home** > **Overview**.
2. Choose online fabrics or snapshot fabrics from the drop-down list.
3. Click **Security advisories** in the **Advisory level** card.
4. Click **Active advisories**.

View advisories for a single switch

Follow these steps to view the advisories for a single switch in the **Inventory** page.

1. Navigate to **Manage** > **Inventory**.
2. Choose online fabrics or snapshot fabrics from the drop-down list.
3. Choose a switch.

   The **Switch Overview** page displays.
4. Click the **Advisories** tab.

View system advisories

Follow these steps to view the system advisories.

1. Navigate to **Admin** > **System Status**.
2. Click the **Advisories** tab.

Analyze advisories

Follow these steps to analyze advisories.

1. Navigate to Advisories.
2. Click the **Date and Time selector** to choose the time range.

   The Advisories page displays the advisories by Level and Category for your account based on the selected time range.

   - The Level donut chart displays the total number of advisories of Critical,Major, and Warning severity.
   - The category displays a list of categories with number of anomalies against each category.
   - For the advisories displayed for a snapshot fabric, the advisory levels are across all snapshots and not just the latest snapshot.

3. Use the search bar to filter the advisories.
4. The Advisories table displays the filtered advisories. The advisories are sorted by Level by default. Click the column heading to sort the advisories in the table.

   The advisory status include Active and Cleared. An active state indicates that the advisory is present on your network. A cleared state indicates that the advisory is not present on your network anymore and therefore the advisory is marked cleared.

5. Click the gear icon to configure the columns in the Advisories table. By default, the columns Title, Level, Category, and Fabric are displayed.
6. Click an advisory to view the additional details such as What's wrong?, What's the impact?, and How do I fix it?.

   - What's wrong? provides problem description with the specific affected objects.
   - What's the impact? explains what will happen if the problem is not fixed and includes End-of-Sale key dates.
   - How do I fix it? provides prescriptive recommendations.

7. Choose advisories from the **Advisories** table and click **Acknowledge Advisories** to acknowledge advisories.

   You can also click an advisory in the **Advisory** page and choose **Acknowledge Advisory** from the **Actions** drop-down list.

   By default all the unacknowledged **Advisories** are displayed in the advisories table. Once you acknowledge an advisory, choose **Acknowledged** from the drop-down list to view all the acknowledged advisories.

View platform and system alerts in global advisories table

System advisories allow you to view information about updates, issues, or required actions related to a system, application, or network. These advisories ensure that you are aware of critical information that might impact the system's performance, security, or operation.

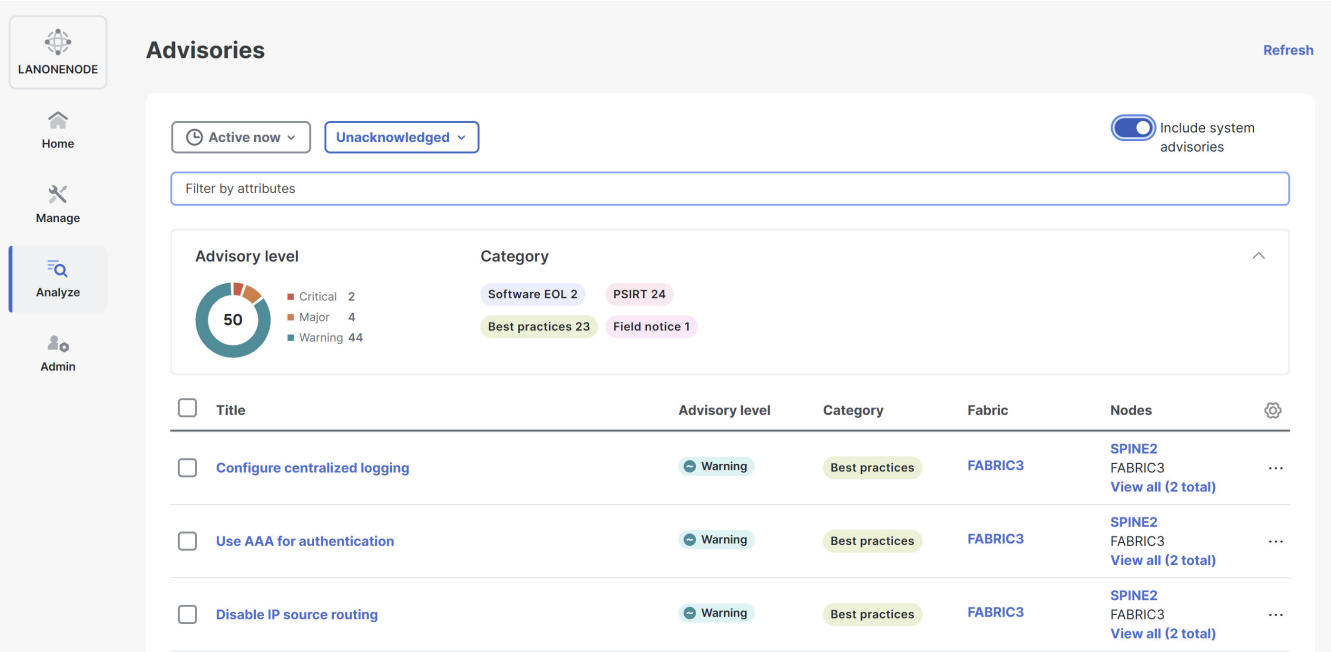
Follow these steps to include system-related advisories.

1. Navigate to **Analyze > Advisories**.

   The **Advisories** page displays.

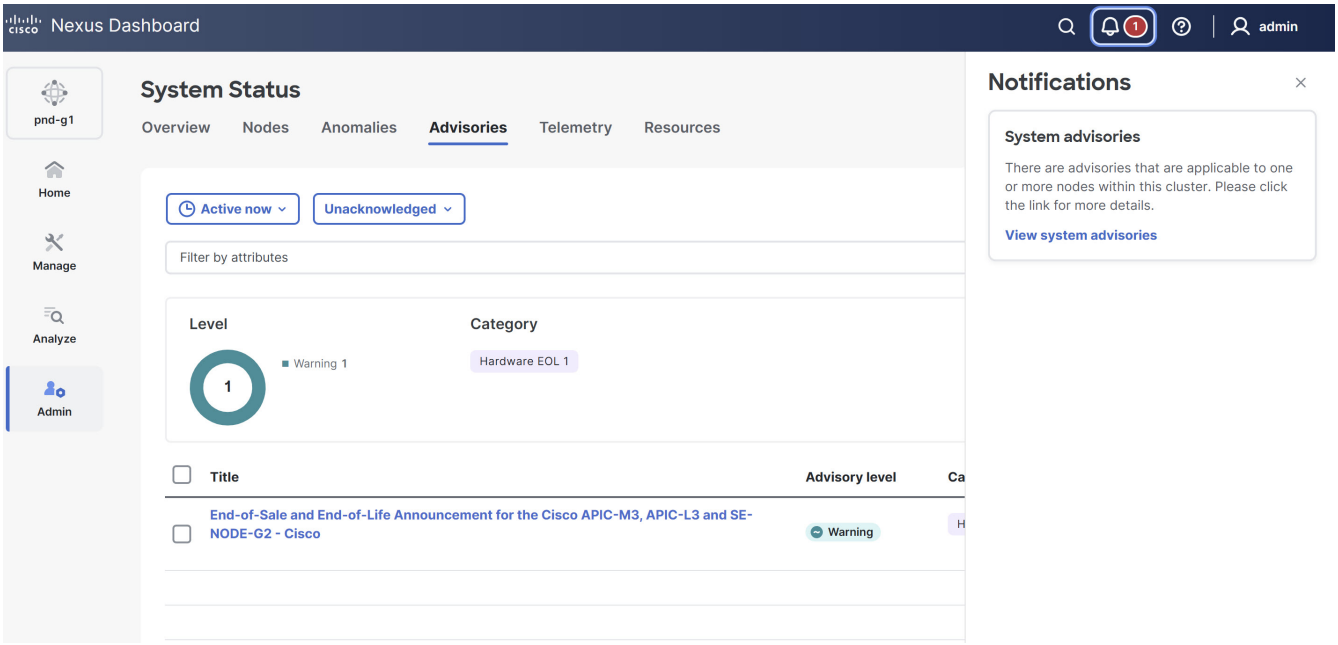
2. Click the **Include system advisories** toggle button in the top-right corner, to include system-related advisories in the **Advisories** table.

   Once enabled, the **System** category appears under advisories by category in the **Advisories** page.



System advisory notification

When there is an active system advisory, a notification alert appears on the **Notifications** bell icon located in the common navigation bar at the top of the page. Click the notification bell icon to open the **Notifications** pane. In the **Notifications** pane, click **View system advisories**. Nexus Dashboard redirects you to the **System Status** page, where you can review the full list of current and past system advisories in the **Advisories** table.


Nexus Dashboard
admin
pnd-g1
Home
Manage
Analyze
Admin
System Status
Overview
Nodes
Anomalies
Advisories
Telemetry
Resources
Active now
Unacknowledged
Filter by attributes
Level
1
Warning 1
Category
Hardware EOL 1
Title
Advisory level
End-of-Sale and End-of-Life Announcement for the Cisco APIC-M3, APIC-L3 and SE-NODE-G2 - Cisco
Warning
Notifications
System advisories
There are advisories that are applicable to one or more nodes within this cluster. Please click the link for more details.
View system advisories

Advisory filters

The search bar allows you to filters the advisories. In the Advisories page, you can use the following filters to refine the displayed advisories:

- Title – Display advisories with a specific title.
- Advisory Level – Display advisories of a specific level.
- Detection Time – Display advisories with a specific detection time.
- Last Seen time – Display only advisories with a specific last seen time. Last Seen Time indicates the time advisory was updated while under active status. If the status of the advisory is not cleared, then the advisory is active.
- Category – Display advisories from a specific category.
- Fabric – Display advisories for a specific fabric.
- Nodes – Display advisories for specific nodes.
- What's wrong? – Display advisories of a specific affected object.

As a secondary filter refinement, use the following operators:

- == – with the initial filter type, this operator, and a subsequent value, returns an exact match.
- != – with the initial filter type, this operator, and a subsequent value, returns all that do not have the same value.
- contains – with the initial filter type, this operator, and a subsequent value, returns all that contain the value.
- !contains – with the initial filter type, this operator, and a subsequent value, returns all that do not contain the value.

Metadata support

Nexus Dashboard uses metadata bundles to detect new bugs, PSIRTs, Field Notices, and End of Life Notices. Metadata packages are constantly updated by us and posted to the Cisco Intersight Cloud after validation. Nexus Dashboard connects to the Cisco Intersight Cloud through a device connector that is embedded in the Nexus Dashboard platform and that pulls periodically updated metadata packages. With metadata support for air-gapped environment, if Nexus Dashboard is not connected to Cisco Intersight Cloud, you can manually upload the latest metadata to Nexus Dashboard in a secure and trusted way. You can download the bundle updates from the Cisco DC App Center.

Navigate to **Admin** > **System Settings** > **Metadata** to view the metadata version.

- In the General area, the Metadata Version is displayed.
- In the Update Metadata Version area, you can upload metadata for air-gapped environments.

Metadata support for air-gapped environment

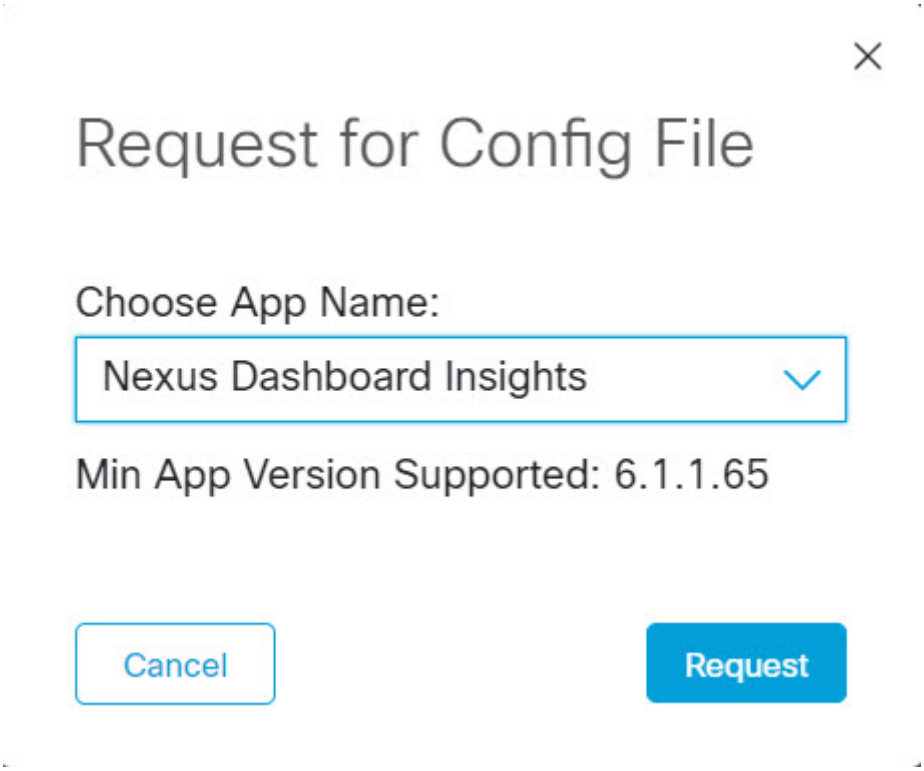
With metadata support for air-gapped environment, if Nexus Dashboard is not connected to Cisco secure cloud, you can upload the latest metadata to Nexus Dashboard periodically in a secure and trusted way.

You can download the encrypted metadata file from the Cisco DC App Center and upload it to Nexus Dashboard to get decrypted updates on exposure to Bugs, PSIRTs, Defects, Field Notices, and End of Life Notices.

Update metadata version

Follow these steps to update the latest metadata version in an air-gapped or offline environment.

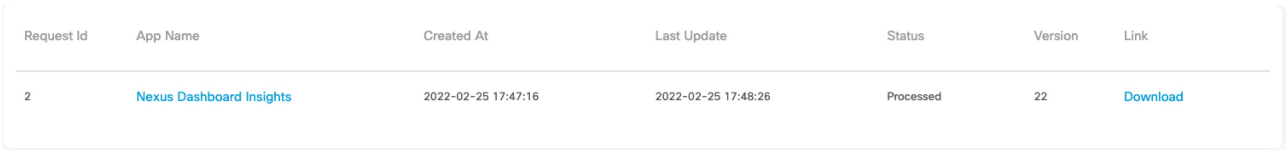
1. Log in to Cisco DC App Center.
2. From the User drop-down list, choose **My Account**.
3. Click **Config Files Requests** tab.
4. Click **Request Config File**.
5. From the **Choose App ID** drop-down list, select Nexus Dashboard.



6. Verify the minimum supported app version and click **Request**.

   It takes approximately 15 minutes for the request to be completed. In the Config Files Request page, the generated file is displayed in the table below.

7. Select the file and click **Download** to download the file locally.



Request Id	App Name	Created At	Last Update	Status	Version	Link
2	Nexus Dashboard Insights	2022-02-25 17:47:16	2022-02-25 17:48:26	Processed	22	Download

8. Log in to Nexus Dashboard.
9. Navigate to **Admin** > **System Settings** > **Metadata** to view the metadata version.
10. In the Update Metadata Version area, upload the file you have downloaded from the Cisco DC App Center.
11. Click **Begin Upload** to upload the latest metadata.

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