



# Backing Up and Restoring Your Nexus Dashboard, Release 4.1.1

# Table of Contents

New and changed information .....	1
Understanding backup and restore operations before and after the unified system .....	2
How backup and restore operations were implemented before unified backup (prior to Nexus Dashboard release 3.2.1) .....	2
How backup and restore operations were implemented with unified backup in Nexus Dashboard release 3.2.1 .....	2
How backup and restore operation is implemented with the unified system in Nexus Dashboard release 4.1.1 .....	2
Backing up and restoring Nexus Dashboard configurations .....	4
General guidelines for backing up and restoring Nexus Dashboard configurations .....	4
Create a remote storage location .....	5
Handling encryption keys .....	7
Back up Nexus Dashboard configurations .....	7
Manually back up Nexus Dashboard configurations .....	8
Configure scheduled backups .....	9
View backup history .....	11
Restore Nexus Dashboard configurations .....	11
Tasks after you have restored a configuration using unified backup .....	13
Backing up and restoring fabric configurations .....	16
General guidelines for backing up and restoring fabric configurations .....	16
Back up fabric configurations .....	16
Manually back up fabric configurations .....	16
Configure scheduled fabric backups .....	17
Restore fabric configurations .....	17

# New and changed information

This 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 4.1.1	Unified backup and restore	<p>The unified backup and restore feature that was introduced in the previous release is essentially unchanged in Nexus Dashboard 4.1.1.</p> <p>However, now that all of the individual services (Nexus Dashboard Fabric Controller, Nexus Dashboard Insights, and Nexus Dashboard Orchestrator) have been unified underneath Nexus Dashboard in release 4.1.1, any remaining service-specific backup and restore functionality that was available in the previous release is now completely rolled up into this single unified backup and restore feature at the Nexus Dashboard level.</p>
Nexus Dashboard 4.1.1	Nexus Dashboard Unified Fabric backup and restore	<p>Nexus Dashboard 4.1.1, unified backup feature supports backing up all parameter details from <b>Edit Fabric Settings</b>, including <b>General</b>, <b>Fabric Management</b>, and <b>Telemetry</b> (if enabled), and allows for easy restoration. For more information, see <a href="#">Backing up and restoring fabric configurations</a>.</p>

# Understanding backup and restore operations before and after the unified system

In order to better understand how the unified backup and restore is implemented in release 4.1.1, it is helpful to understand how backup and restore was implemented in previous releases.

- [How backup and restore operations were implemented before unified backup \(prior to Nexus Dashboard release 3.2.1\)](#)
- [How backup and restore operations were implemented with unified backup in Nexus Dashboard release 3.2.1](#)
- [How backup and restore operation is implemented with the unified system in Nexus Dashboard release 4.1.1](#)

## How backup and restore operations were implemented before unified backup (prior to Nexus Dashboard release 3.2.1)

Prior to Nexus Dashboard release 3.2.1, backup and restore operations were performed at the Nexus Dashboard level, as well as at the individual services levels that were running in that Nexus Dashboard (Nexus Dashboard Fabric Controller, Nexus Dashboard Insights, and Nexus Dashboard Orchestrator). Refer to [Unified Backup and Restore for Nexus Dashboard and Services](#) for more information.

## How backup and restore operations were implemented with unified backup in Nexus Dashboard release 3.2.1

With the Nexus Dashboard 3.2.1 release, a unified backup and restore operation became available at the Nexus Dashboard level that allowed you to back up and restore configurations for Nexus Dashboard and any services (Nexus Dashboard Fabric Controller, Nexus Dashboard Insights, and Nexus Dashboard Orchestrator) running in that Nexus Dashboard. However, limited backup and restore functionality remained at the individual services level. Refer to [Unified Backup and Restore for Nexus Dashboard and Services](#) for more information.

## How backup and restore operation is implemented with the unified system in Nexus Dashboard release 4.1.1

With the unified system that is part of Nexus Dashboard release 4.1.1, there are no longer any individual services (Nexus Dashboard Fabric Controller, Nexus Dashboard Insights, and Nexus Dashboard Orchestrator) running separately beneath the upper level Nexus Dashboard; instead, all the individual services are bundled together with Nexus Dashboard as a single, unified system.

The unified backup and restore feature introduced in the Nexus Dashboard 3.2.1 release is essentially unchanged in release 4.1.1. However, because the individual services are no longer available, the limited backup and restore functionality that was previously available at the individual services levels are also no longer available.



After restoring a backup on a freshly-installed 4.1.1 cluster, the credentials of the freshly-installed cluster are retained. This is different from the behavior in releases prior to Nexus Dashboard release 4.1.1, where the credentials of the source cluster where the backup was collected are applied on the restored cluster. We recommend that you update the credentials of the cluster after the restore operation as per your requirements.

# Backing up and restoring Nexus Dashboard configurations

These sections describe how to back up and restore Nexus Dashboard configurations.

- [General guidelines for backing up and restoring Nexus Dashboard configurations](#)
- [Handling encryption keys](#)
- [Back up Nexus Dashboard configurations](#)
- [Restore Nexus Dashboard configurations](#)

## General guidelines for backing up and restoring Nexus Dashboard configurations

These general guidelines apply for backing up and restoring Nexus Dashboard configurations.

- The Nexus Dashboard unified backup and restore feature is supported only between the same versions of Nexus Dashboard. You cannot perform a backup on version X of Nexus Dashboard and then restore on version Y of Nexus Dashboard.
- In most situations, you can only restore a multi-node backup on the a system with the same or greater number of nodes in the cluster. For example, if you backed up a 3-node physical cluster configuration, you can only restore that backup on a system with a 3-node or greater physical cluster. However, backing up a configuration from 5-node virtual cluster and restoring the configuration on 3-node virtual cluster is supported.
- If a backup is taken from a federated cluster, then the cluster where you are restoring must have the same cluster name; otherwise, the restore will fail.
- Restoring a backup on a cluster that supports a fewer number of Apps as compared to the cluster from where the backup was taken is not supported.
- After restoring a backup on a freshly-installed 4.1.1 cluster, the credentials of the freshly-installed cluster are retained. This is different from the behavior in releases prior to Nexus Dashboard release 4.1.1, where the credentials of the source cluster where the backup was collected are applied on the restored cluster. We recommend that you update the credentials of the cluster after the restore operation as per your requirements.
- After restoring a backup, the password might change to an older password where the backup was collected.

For example, assume you have a cluster that is running with **password-1**, and you then take a backup and change the password to **password-2**. When you then go through the backup restore process, after the restore process is finished, the password will be changed back to the older **password-1** password.

- For scheduled backups as described in [Configure scheduled backups](#), a maximum of two scheduled backups is supported.
- Put a check in the **Ignore External Service IP Configuration** check box, as described in [Restore Nexus Dashboard configurations](#), whenever you take a backup on one system and restore it on a different system with different management or data subnets.

- Nexus Dashboard has two backup and restore options: **Config-only** and **Full**. When performing a restore from a backup:
  - You can perform a **Config-only** restore on existing Nexus Dashboard deployments where features are enabled and other states exist.
  - You can perform a **Full** restore on a freshly installed cluster or on an existing cluster after you performed an **acs reboot clean** on the cluster before you can perform a **Full** restore, as described in [Cisco Nexus Dashboard Troubleshooting](#).

## Create a remote storage location

The remote storage location information is referenced by any feature that uses remote storage location, including the unified backup and restore.

1. In the Nexus Dashboard GUI, navigate to **Admin > System Settings**.

The **General** tab is chosen by default.

2. Locate the **Remote storage** area in **General**.

- If you do not have any remote storage locations already created, you will see the message **No remote storage added** displayed on the page.
- If you have remote storage locations already created, you'll see those remote storage locations listed with the following values:

Field	Description
Name	The name of the remote storage location.
Description	A description of the remote storage location, if necessary.
IP Address	The IP address of the remote storage location.
Protocol	The remote storage location type: <ul style="list-style-type: none"><li>▪ NAS Storage</li><li>▪ SFTP</li></ul>
Status	The status of the remote storage location.

3. If there are no remote storage locations created yet, click **Edit** in the **Remote storage** area.


The **Remote storage** page appears.

4. Click **+ Add Remote Storage Locations** to create a remote storage location.

The **Create Remote Storage Location** page appears.

5. In the **Create Remote Storage Location** window, enter the necessary information to configure the remote storage location.


Field	Description
Name	Enter the name of the remote storage location.

Field	Description
Description	(Optional) Enter a description of the remote storage location.
Remote Storage Location Type	<p>Choose <b>SFTP/SCP Server</b> as the remote storage location type.</p> <div>  <p>As mentioned earlier, any feature that uses a remote storage location references the remote storage location information, not just unified backup and restore. Even though the <b>Create Remote Storage Location</b> shows <b>NAS Storage</b> as an option, it is not supported with the unified backup and restore feature.</p> </div>

Enter the necessary information when choosing the **SFTP/SCP Server** option in the **Remote Storage Location Type** field.

Field	Description
Protocol	<p>Choose the protocol to use for the remote storage location file transfer:</p> <ul style="list-style-type: none"> <li>• SFTP</li> <li>• SCP</li> </ul>
Hostname or IP Address	Enter the hostname or IP address of the remote storage location.
Default Path	<p>Enter the path to the directory where the backup file is to be saved on the remote server.</p> <ul style="list-style-type: none"> <li>• The path can be an absolute path, which would start with a slash character (/), such as: <b>/backups/multisite</b></li> <li>• Or the path can be a path relative to your home directory, such as: <b>Users/backups/multisite</b></li> </ul>
Remote Port	Enter the remote port for the remote host location. This field is pre-populated with a default value of <b>22</b> .
Authorization Type	<p>Choose the authorization type:</p> <ul style="list-style-type: none"> <li>• Password</li> <li>• SSH Public Types</li> <li>• CyberArk</li> </ul>
Username	Enter the authorization username.
Password	Available if you chose <b>Password</b> in the <b>Authorization Type</b> field above. Enter the authorization password.



Field	Description
SSH Key	<p>The <b>SSH Key</b> and <b>Passphrase</b> fields are available if you chose <b>SSH Public Types</b> in the <b>Authorization Type</b> field.</p> <p>To use SSH keys, follow these steps:</p> <ol style="list-style-type: none"> <li>1. Generate the private/public key pairs, with or without a passphrase.</li> <li>2. Authorize the generated public key on the remote storage location.</li> <li>3. Enter the private key in the <b>SSH Key</b> field.</li> <li>4. If you used a passphrase in step 1, enter the passphrase in the <b>Passphrase</b> field.</li> </ol>
Passphrase	
Credential Store key	<p>The <b>Credential Store key</b> field is available if you choose <b>CyberArk</b> in the <b>Authorization Type</b> field.</p> <div>  <p>You will see the <b>CyberArk</b> tab only if you configured system certificate and mapped to CyberArk feature. For more information on CA certificates and credential store, see <a href="#">Managing Certificates in your Nexus Dashboard</a> and <a href="#">Configuring Users, Roles, and Security</a>.</p> </div>

6. Click **Save**.

You are returned to the **Remote storage** page with the newly-created remote storage location listed in the table.

- o To edit a remote storage location entry, click on the ellipsis (...) at the end of the row in the table for that remote storage location and click **Edit**.
- o To delete a remote storage location entry, click on the ellipsis (...) at the end of the row in the table for that remote storage location and click **Delete**.

7. Click **Save** in the **Remote storage** page.

You are returned to the **System Settings/General** page.

## Handling encryption keys

At certain points in the backup process, the process prompts you to provide an encryption key to encrypt the backup file. You will use the same encryption key later to restore the backup.

When you enter an encryption key as part of the backup process, do not lose the encryption key information. If you lose the encryption key, the backup is useless because you cannot restore the backup without the encryption key. Cisco is also not able to restore a backup if you lose the encryption key information.

## Back up Nexus Dashboard configurations

These sections describe how to back up ND services and configurations.

- [Manually back up Nexus Dashboard configurations](#)

- [Configure scheduled backups](#)
- [View backup history](#)

## Manually back up Nexus Dashboard configurations

1. Navigate to the unified backup and restore page in the Nexus Dashboard GUI:

**Admin > Backup and Restore**

Backups that are already configured are listed in the **Backups** page.

2. Click **Create Backup**.

The **Create Backup** slider appears.

3. In the **Name** field, enter a name for this backup.
4. In the **Type** field, determine whether you want a **Config-Only** or a **Full** backup.



If you choose **Full** backup, Nexus Dashboard does not support the backup and restore of operational or historical telemetry data and will only back up the telemetry configuration.

- **Config-Only:** A Config-Only backup is smaller than a Full backup. It contains configuration data that depends on the services that are being backed up:
  - Insights: Compliance rules, settings, and other configured parameters
  - Orchestrator: Templates, settings, and other configured parameters
- **Full:** A Full backup is large. In addition to everything in a Config-Only backup, a Full backup also contains operational data, such as statistics and counters. Operational data is only applicable for Fabric Controller; other services only have configuration data backed up.

When restoring a backup that was saved using the Full backup type, you can perform either a Config-Only restore or a Full restore.



You cannot perform a Full restore on a cluster that has an existing configuration; you must restore the backup on a new cluster with no existing configuration.

5. In the **Destination** field, determine whether you want a local or remote backup.
  - **Local Download:** The backup data is stored on the local cluster.



You are limited to only one local backup at any time.

- a. In the **Encryption Key** field, enter the encryption key to the backup file.

You must have an encryption key to restore from the backup. See [Handling encryption keys](#) for more information.

- **Remote Storage Location:** The backup data is stored in a remote location.
  - a. In the **Remote Storage Location** field, select an already-configured remote location from

the list, if available, or click **Create Remote Storage Location**.

If you click **Create Remote Storage Location**, follow the steps provided in [Create a remote storage location](#), then return here.

- b. In the **Remote path** field, review the remote path that is being used for the remote backup.

When taking backups, the **Remote path** field is not editable; it shows the path that was configured when you created the remote storage using the procedures provided in [Create a remote storage location](#). The backup will be created in that location.

- c. In the **Encryption Key** field, enter the encryption key to the backup file.

You must have an encryption key to restore from the backup. See [Handling encryption keys](#) for more information.

6. Click **Backup Now**.

You are returned to the main **Backups** page, with the backup that you just configured now listed.

7. Use the information provided in the **Status** column to monitor the status of your backup.

You should initially see **In Progress** as the status for your backup as the backup progresses. Click **View Details** to see additional details on the areas that are being backed up and the progress of those backups.

After a period of time, the Status changes to **100%**, then changes to **Success**.

8. Click the link in the **Name** column to display additional information on that backup, such as the services that are included with this particular backup and the type of backup that was performed (Config-Only or Full).

You can also perform these actions from this window by clicking the **Actions** dropdown:

- o **Delete:** Deletes the backup.
- o **Download:** Downloads the backup to a local folder.
- o **Restore:** Restores a backed up configuration. See [Restore Nexus Dashboard configurations](#) for more information.

In the main **Backups** page, you can also click the ellipsis ( ... ) on any of the backups listed to perform those same actions on any backup.

## Configure scheduled backups

1. Navigate to the unified backup and restore page in the Nexus Dashboard GUI:

**Admin > Backup and Restore**

The **Backups** page lists backups that are already configured.

2. Click **Backup Schedules**.

This tab lists already-configured scheduled backups.

3. Click **Create backup schedule**.

The **Create backup schedule** drawer appears.

4. In the **Name** field, enter a name for this backup.

5. In the **Type** field, determine whether you want a **Config-Only** or a **Full** backup.



If you choose **Full** backup, Nexus Dashboard does not support the backup and restore of operational or historical telemetry data and will only back up the telemetry configuration.

- **Config-Only:** A Config-Only backup is smaller than a Full backup. It contains configuration data that depends on the services that are being backed up:
  - Insights: Compliance rules, settings, and other configured parameters
  - Orchestrator: Templates, settings, and other configured parameters
- **Full:** A Full backup is large. In addition to everything in a Config-Only backup, a Full backup also contains operational data, such as statistics and counters. Operational data is only applicable for Fabric Controller; other services only have configuration backed up.

When restoring a backup that was saved using the Full backup type, you can perform either a Config-Only restore or a Full restore.



You cannot perform a Full restore on a cluster that has an existing configuration; you must restore the backup on a new cluster with no existing configuration in this case.

6. In the **Remote Storage Location** field, choose an already-configured remote location from the list, if available, or click **Create Remote Location**.

If you click **Create Remote Location**, follow the steps provided in [Create a remote storage location](#), then return here.

7. In the **Remote path** field, review the remote path that is being used for the remote backup.

When taking backups, the **Remote path** field is not editable; it shows the path that was configured when you created the remote storage using the procedures provided in [Create a remote storage location](#). The backup will be created in that location.

8. In the **Encryption Key** field, enter the encryption key to the backup file.

You must have an encryption key to restore from the backup. See [Handling encryption keys](#) for more information.

9. Enter the necessary information in the **Scheduler** area.

- a. In the **Starting Date and Time** field, choose the date and time that you want to use for the backup schedule, then click OK.
- b. In the **Frequency** area, set the frequency that you want for the scheduled backups:
  - Every 24 hours
  - Every 7 days

- Every 30 days

10. Click **Create**.

You are returned to the **Backup Schedules** page with the newly-created backup schedule listed in the table.

- To view the details of the scheduled backup, click on the entry in the **Name** column. You can also edit or delete the scheduled backup configuration in this page.
- To view remote location details, click on the entry in the **Destination** column.
- To edit a backup schedule entry, click on the ellipsis (...) at the end of the row in the table for that backup schedule entry and click **Edit**.
- To delete a backup schedule entry, click on the ellipsis (...) at the end of the row in the table for that backup schedule entry and click **Delete**.

The created scheduled backups will also be listed under the **Backups** tab. In **Backups**, click the entries in the **Destination** or **Schedule** columns to view details related to those areas.

## View backup history

1. Navigate to the unified backup and restore page in the Nexus Dashboard GUI:

**Admin > Backup and Restore**

The **Backups** page lists backups that are already configured.

2. Click **History**.

The **History** tab lists a history of the backups, with the following information:

- **Start Time:** The start time when an action was taken for a backup.
- **End Time:** The end time when an action was taken for a backup.
- **Action:** The action that was taken on a backup, such as **Created**, **Deleted**, **Downloaded**, **Restored**, and **Updated**.
- **Type:** The type of backup (**Config-Only** or **Full**).
- **Details:** Additional detail on a particular backup.
- **User:** The user associated with a particular backup.
- **Status:** The status of a backup, such as **Success**, **In Progress**, or **Failure**.

## Restore Nexus Dashboard configurations

1. Navigate to the unified backup and restore page in the Nexus Dashboard GUI:

**Admin > Backup and Restore**

The **Backups** page lists already-configured backups.

2. Access the **Restore** page by

- choosing the entry in the list of backups shown in the **Backups** page, then clicking **Actions >**

## Restore, or

- o clicking **Restore** in the upper right corner of the main **Backup and Restore** page.

The **Restore** page appears.

3. In the **Source** field, determine where the backup is that you want to restore, if applicable.



If you are restoring a backup by choosing the a specific backup in the list of backups shown in the **Backups** page, then this field is not editable.

- o **Backup File:** Either drag and drop a local backup file to restore or you can navigate to the local area on your system to choose a backup file to restore.
- o **Remote Storage Location:**
  - a. In the **Remote Storage Location** field, choose an already-configured remote location from the list, if available, or click **Create remote storage location**.

If you click **Create Remote Storage Location**, follow the steps provided in [Create a remote storage location](#), then return here. Even though you should have configured a remote location as part of the remote backup process, you might also have to configure a remote location as part of the restore process if you're in a different cluster from the one where you configured the remote backup. In this case, you would be configuring the remote location again at this point so that the system can find the remote backup that you configured in the other cluster.

- b. In the **File name** field, provide a path to the backup file that you want to restore.

The path can be

- o absolute, where it starts with a slash (/) (for example, [/remote/storage/mybackup.tar.gz](#)), or
- o relative to the path specified in **Remote Storage Location** (for example, [mybackup.tar.gz](#) or [backups/mybackup.tar.gz](#))

4. In the **Encryption Key** field, enter the encryption key that you used when you backed up the file.

See [Handling encryption keys](#) for more information.

5. In the Validation area, on the row with your backup, click **Validate and Upload**.



If you entered an incorrect encryption key, an error message displays saying that there was an error during the validation process. Click the trashcan in the line that shows the backup file name to delete the validation attempt and try again.

6. After the Progress bar shows 100% for the validation, click **Next**.

The Restore page appears, displaying this information:

- o The current deployment mode
- o The deployment mode of the backup file, which will be the sytem's deployment mode after the restore process is completed
- o The type of backup that was used when the backup file was originally configured (Full or Config-Only)

7. (Optional) Put a check in the **Ignore External Service IP Configuration** check box, if necessary.

If you put a check in the **Ignore External Service IP Configuration** check box, then the external service IP configuration is ignored. This selection allows you to take a backup on a system and restore it on a different system, with different management or data subnets.

8. Click **Restore**.

A warning appears that prompts you to verify that you want to begin the restore process.



You will not be able to access any Nexus Dashboard functionality while the restore process runs, which could take several minutes.

9. Click **Restore** in the warning page to proceed with the restore process.

Another page appears, showing the progress of the restore process. Click the arrow next to the entry in the **Type** column to get more details of the restore process.

10. After the Progress bar shows 100% for the restore process, click **View History** to navigate to the **History** area in the **Backup and Restore**.

The page displays **Success** in the **Status** column for the restore process.

## Tasks after you have restored a configuration using unified backup

- [Nexus Dashboard tasks](#)
- [Orchestration tasks](#)
- [Telemetry tasks](#)

### Nexus Dashboard tasks

If you configured connectivity between multiple Nexus Dashboard clusters, you will have to re-register the clusters after you have completed the restore process.

These are the overall steps for this process:

1. Bring up the clusters and establish multi-cluster connectivity.

See [Connecting Clusters](#).

2. Create a backup on the primary cluster.

See [Back up Nexus Dashboard configurations](#).

3. Perform a clean reboot on the primary cluster.

See [Connecting Clusters](#).

4. Restore the backup on the primary cluster.

See [Restore Nexus Dashboard configurations](#).

5. Re-register all the clusters on the primary cluster after the restore.

See [Connecting Clusters](#).

## Orchestration tasks

If you had the Orchestration feature enabled when you performed a Nexus Dashboard backup, after you re-register the ACI fabrics, it takes about 2-3 minutes to trigger the post-restore Orchestration tasks. You can track the progress of this update by navigating to the **Orchestration** page in Nexus Dashboard (**Manage > Orchestration**).

## Telemetry tasks

Nexus Dashboard has a reconfigure workflow that brings the telemetry-enabled fabrics status back in sync. You must perform certain reconfigure tasks after restoring a configuration using the new unified backup and restore.

After you have restored a configuration that was backed up using the new Nexus Dashboard unified backup and restore feature, the state of the telemetry-enabled fabrics shown at the Nexus Dashboard level could show as **Out of Sync**, which indicates that those fabrics are out of sync with the true state of the telemetry-enabled fabrics and telemetry streaming is not functional. When telemetry-enabled fabrics are out of sync in this fashion, the status of individual features (such as software telemetry, flow collection, and switch status) are not valid and should be ignored.

As an example, assume the following scenario:

1. You have software telemetry enabled on a fabric and the telemetry configurations are pushed to the fabric.
2. You then create a backup using the new unified backup process.
3. Afterward, assume you then disable telemetry, which removes the configurations from the fabrics.
4. You then go through the backup restore process, as described in this article. Afterward, the Nexus Dashboard configuration will show software telemetry as enabled but the fabric does not have that same status.

To bring the telemetry-enabled fabrics status back in sync and reapply telemetry configurations to the fabric:

1. Verify the switches are in the proper state.

Before performing a reconfigure operation in the Nexus Dashboard GUI, all switches belonging to NX-OS fabrics must be in one of these states:

- InSync
- OutOfSync
- Pending

If not, the reconfigure operation fails for the entire fabric, with a message that the fabric is not ready, if there is a single switch that is not in one of those states. You must bring the switches to one of these states before continuing with the reconfigure operation.

2. Perform the reconfigure operation.

You can perform a reconfigure operation:



- Either on each fabric, by clicking on that fabric in **Manage > Fabrics** to navigate to that fabric's **Overview** page and clicking **Actions > Telemetry > Reconfigure**, or
- Across all fabrics, by navigating to **Admin > System Status > Telemetry** and clicking on **Reconfigure All**, then clicking **Confirm** in the confirmation pop-up.

This cleans up any existing configurations on the telemetry-enabled fabrics and pushes all new configurations from Nexus Dashboard to the fabrics.

3. Verify that the individual features are reflecting the proper status.

After the operation completes, the individual feature statuses will be:

- **Enabled** if the configuration push is successful for all switches,
- **Enable Fail** if it fails for any switch, or
- **Enable Pending** if change control mode is enabled.

The cumulative **Telemetry Configuration Status** will then display as:

- **OK** if the configuration is successful for all switches,
- **Not OK** if it fails or is pending in change control mode for all switches, or
- **Partial OK** if it succeeds for some switches and fails or is pending in change control mode for others.

4. Perform any post-reconfiguration operations, if necessary.

If you have Netflow configured on Nexus Dashboard, during the restore process, if the intent is wiped out from Nexus Dashboard, triggering a reconfigure will wipe out these Netflow configurations from the switches. You must add your intents back to Nexus Dashboard accordingly to restore your configurations.

# Backing up and restoring fabric configurations

These sections describe how to back up and restore fabric configurations.

- [Back up fabric configurations](#)
- [Restore fabric configurations](#)

## General guidelines for backing up and restoring fabric configurations

These general guidelines apply for backing up and restoring fabric configurations.

- When you perform a fabric-level backup in release 4.1.1, any settings that you have configured in the **General** and **Telemetry** tabs at the fabric level will be backed up, and those settings will be restored when you perform a restore operation from that backup.
- You cannot perform a fabric-level backup and restore operation on ACI fabrics in Nexus Dashboard.
- Nexus Dashboard 4.1.1, unified backup feature includes new fields in **General** under **Edit Fabric Settings**.

Field	Description
Name	The name of the fabric.
Type	The description of the fabric type.
Location	The location the fabric is deployed.
Overlay routing protocol	The overlay fabric connectivity option.
BGP ASN for spines	The BGP AS number associated with the fabric.
License tier for fabric	The license type of the fabric.
Enabled features	The telemetry support option.
Security domain	The access privileges for the users.

## Back up fabric configurations

These sections describe how to back up fabric configurations.

- [Manually back up fabric configurations](#)
- [Configure scheduled fabric backups](#)

### Manually back up fabric configurations

1. Navigate to the fabric backup and restore page in the Nexus Dashboard GUI:
  - a. Navigate to the main Fabrics page:

**Manage > Fabrics**

- b. Click on a fabric that you want to back up.

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

- c. Click **Actions > Maintenance > Backup Now**.

The **Create Fabric Backup** page appears.

- d. Enter the name of the **Backup Tag** and click **Create Backup**.

The backup is initiated.

## Configure scheduled fabric backups

1. Navigate to the fabric backup and restore page in the Nexus Dashboard GUI:

- a. Navigate to the main Fabrics page:

**Manage > Fabrics**

- b. Click on a fabric that you want to back up.

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

- c. Click **Actions > Maintenance > Backup Now**.

The **Create Fabric Backup** page appears.

- d. Enter the name of the **Backup Tag** and click **Create Backup**.

The backup is initiated.

## Restore fabric configurations

1. Navigate to the fabric backup and restore page in the Nexus Dashboard GUI:

- a. Navigate to the main Fabrics page:

**Manage > Fabrics**

- b. Click on a fabric that you want to back up.

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

- c. Click **Actions > Maintenance > Restore Fabric**.

The **Restore Fabric** page appears.

- d. Select a backup from the list and click **Next**.

The **Restore Preview** page appears.

- e. Review the content for the configuration changes and click **Restore Intent**.

The restore is initiated.



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