

Migrate from NDB to ND

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If you are currently using Nexus Dashboard Data Broker (NDB) release 3.10.3, 3.10.4, or 3.10.5.x, you can migrate to Nexus Dashboard (ND) 4.3. Supported deployment types vary by release. For more information, see Table 1.

Table 1: Supported migration paths from NDB 3.10.x to ND 4.x

NDB release	Deployment type	Supported target ND releases
3.10.3	Embedded	4.3
3.10.4	Centralized,Embedded	4.3
3.10.5	Centralized	4.3

Note Beginning with ND 4.3, the migration tool supports migrating multiple embedded NDB 3.10.3 and 3.10.4 deployments to a single ND 4.3 cluster.

If your NDB release or deployment type is not listed in Table 1, migrate in two steps:

1. Upgrade NDB to a release listed in Table 1. You can upgrade from NDB 3.8.x, 3.9.x, 3.10.1, 3.10.2, and 3.10.3.
2. Migrate to Nexus Dashboard 4.3.

Example: To migrate from NDB 3.8.1 to ND 4.3, first upgrade to NDB 3.10.4 or 3.10.5.x, and then migrate to ND 4.3.

For more information about upgrading NDB, see the Cisco Nexus Data Broker Deployment Guide for your release.

Use this procedure to migrate your NDB centralized or embedded deployment to ND 4.3.

Before you begin

1. Log in to the NDB GUI, and download the configuration file using the standard procedure.

   On the NDB GUI, navigate to **Administration** > **Backup Restore** > **Actions**. You can back up the configuration to your local machine or to a server.

2. Convert the NDB configuration file (which you have downloaded using step 1) to an ND-compatible file using the `backup_converter.sh` file located on Github.

3. (optional) Create an encryption key using ./backup_converter.sh -f {zip_file} -v {ND_version} -k {password}. See *Run the Script* step (Github). This encryption key cannot be changed later. Ensure to save the encryption key as you will need to enter the same key while restoring the backup.

4. Follow the steps detailed in the `steps_to_generate_ND_format_backup.txt` file (available on Github). The file includes a detailed procedure for converting the NDB configuration file to an ND-compatible file. The ND compatible file is named as `cisco-nddb-backup.tar.gz`.

Procedure

Step 1 Log in to the ND GUI.

Step 2 Navigate to **Admin** > **Backup and Restore**.

Step 3 On the **Backup and Restore** screen, click the **Restore** button.

Step 4 On the **Restore** screen, enter:

a) **Source**: the location of the backup file.
b) **Backup file**: the converted ND compatible file.
c) **Encryption key**: enter the custom encryption key which you had earlier created. If you have not set an encryption key, the default value, cisco123, is assigned.
d) Click **Validate and upload**. The **Filename** field is automatically populated with the ND compatible file (`cisco-nddb-backup.tar.gz`).
e) Click **Next** after the validation is complete.

The progress of the validation is indicated by the green bar, wait till 100% is displayed.

Step 5 (on the next page of the Restore screen) Check the **Do not restore persistent IP configs from this backup** check box to override the persistent IP configuration.

Ensure to check the check box, else the restore process will fail.

Step 6 Click **Restore**.

Step 7 Click **Restore** (again) on the **Begin Restore** confirmation screen.

After the confirmation, the migration process is initiated. You can monitor the progress; the various stages are indicated by the progress bar.

Step 8 Click **Close**.

What to do next

After the migration process, perform these steps:

1. On the ND GUI, navigate to **Manage** > **Fabrics**.
2. Select the required NDB fabric (NDB_default or if you have created a slice, the *slice name* is the *fabric name*).
3. Click **Actions** (on the top right) > **Recalculate and deploy**.

   This updates the configuration on the NDB devices.
4. Check the device mode (**Manage** > **Inventory**). The mode is now displayed as *Normal* (during the migration process, the device mode is indicated as *Migration*).