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Introduction

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About Cisco DNA Center Overview

Cisco Digital Network Architecture offers centralized, intuitive management that makes it fast and easy to design, provision, and apply policies across your network environment. The Cisco DNA Center GUI provides end-to-end network visibility and uses network insights to optimize network performance and deliver the best user and application experience.
Upgrade Paths

Figure 1: Upgrade Paths to Cisco DNA Center 1.3.1.4

Figure 2: Upgrade Paths to Cisco DNA Center 1.3.0.5
Prerequisites for Upgrading

You must complete the system updates before you can perform package updates. Do not download or install any package updates until all system updates have been installed.

You cannot upgrade the packages individually. You must follow all the steps in this procedure.

Before you upgrade, make sure the cluster link interface is connected to a switch port and is in the up state.

Review the following list of prerequisites before upgrading your installed instance of Cisco DNA Center:

- Only a user with SUPER-ADMIN-ROLE permissions can perform this procedure. For more information, see the Cisco Digital Network Architecture Center Administrator Guide.

- Create a backup of your Cisco DNA Center database. For more information, see the Cisco Digital Network Architecture Center Administrator Guide.

- If you have a firewall, allow Cisco DNA Center to access the following location on each node in your cluster for all system and package downloads: https://www.ciscoconnectdna.com:443. To ensure that you have cloud connectivity to AWS, log in to the cluster and run the following CLI command: maglev catalog settings validate. For more information, see Table 7, "Internet Connectivity Traffic", in the Cisco Digital Network Architecture Center M5 Appliance Installation Guide.
• Have the username and password for a cisco.com user account available during the upgrade. You might be prompted, once, for the account credentials during package installations. This can be any valid cisco.com user account.

• Allocate enough time for the upgrade process. Upgrading can take longer than 6 hours to complete.

• We strongly recommend that you do not use Cisco DNA Center or any of its applications or tools while the upgrade is in process.

• Confirm that the minimum disk requirements are met:
  • The / partition has at least 2 GB of free space.
  • The /data partition has at least 35 GB of free space and is not more than 70% full.

If you receive a storage validations failed error, contact the Cisco TAC.

• If the Cisco DNA Center download, update, or install procedures fail for any reason, always retry the procedure a second time using the GUI.

In a three-node cluster, you can trigger an upgrade of the entire cluster from the Cisco DNA Center GUI (the GUI represents the entire cluster and not just a single host). An upgrade triggered from the GUI automatically upgrades all hosts in the cluster.

**Note**

To upgrade a three-node cluster, Service Distribution (or high availability) must be enabled.

**Upgrade Duration**

The following table lists the various phases of the upgrade and the duration of each phase.
### Table 1: Phases and Duration of Upgrade from Cisco DNA Center 1.2.x to 1.3.x

<table>
<thead>
<tr>
<th>Phase</th>
<th>Step</th>
<th>What Occurs During This Phase</th>
<th>Percent Complete After This Phase</th>
<th>Duration</th>
<th>GUI Accessible?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Download</td>
<td>Prevalidation</td>
<td>Ensure that all nodes are in ready state. Put the system into maintenance mode.</td>
<td>0%</td>
<td>Less than 1 minute</td>
<td>Yes</td>
</tr>
<tr>
<td>Download hooks</td>
<td>Download the preinstall, postinstall, and system updater hooks.</td>
<td>1%</td>
<td>1 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Install preinstall hooks</td>
<td>Install the preinstall system updater hooks.</td>
<td>2%</td>
<td>2 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Download catalog server package</td>
<td>Download the catalog server package.</td>
<td>3%</td>
<td>10 to 15 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Update cluster (init phase)</td>
<td>Run the init phase of the cluster updater. Generate data required for migration. Persist the Kubernetes data. Generate Helm charts for Kubernetes objects.</td>
<td>4%</td>
<td>30 to 45 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Install catalog server package</td>
<td>Update the catalog server.</td>
<td>5%</td>
<td>2 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Download system updater package</td>
<td>Download the system updater package.</td>
<td>6%</td>
<td>5 to 10 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Install system updater package</td>
<td>Install the system updater package.</td>
<td>7%</td>
<td>1 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Download main system package</td>
<td>Download the main system package and add-ons.</td>
<td>24%</td>
<td>17 to 30 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Download host update components</td>
<td>Download the Ansible scripts and associated artifacts that must run on each node as part of the node updates.</td>
<td>29%</td>
<td>1 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Preparation</td>
<td>Disable applications</td>
<td>Bring down all application pods.</td>
<td>31%</td>
<td>3 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
</tr>
<tr>
<td>Update cluster (preinstall phase)</td>
<td>Change the Kong API routes and set the retry count to zero. Update the InfluxDB retention policy. Update the Cassandra configuration and the config map.</td>
<td>32%</td>
<td>1 to 2 minutes</td>
<td>Yes (maintenance mode)</td>
<td></td>
</tr>
<tr>
<td>Phase</td>
<td>Step</td>
<td>What Occurs During This Phase</td>
<td>Percent Complete After This Phase</td>
<td>Duration</td>
<td>GUI Accessible?</td>
</tr>
<tr>
<td>-------</td>
<td>------</td>
<td>------------------------------</td>
<td>-----------------------------------</td>
<td>----------</td>
<td>----------------</td>
</tr>
<tr>
<td>Upgrade</td>
<td>Update host components</td>
<td>Clean up stale images. Verify that the minimum disk requirements are met. Update packages. Clean up older files.</td>
<td>72%</td>
<td>75 to 120 minutes</td>
<td>GUI is accessible until 36% of this phase. Around 40% of this phase, the GUI is no longer accessible.</td>
</tr>
<tr>
<td></td>
<td>Update main system package</td>
<td>Update components, including Maglev, Kubernetes add-ons, and the system package.</td>
<td>95%</td>
<td>60 to 90 minutes</td>
<td>Yes (maintenance mode)</td>
</tr>
<tr>
<td></td>
<td>Update cluster (postinstall phase)</td>
<td>Update managed services with new images. Update the InfluxDB STS settings. Patch postgres STS of all namespaces. Delete the obsolete encryption manager.</td>
<td>96%</td>
<td>2 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
</tr>
<tr>
<td></td>
<td>Download postinstall hooks</td>
<td>Download postinstall hooks.</td>
<td>97%</td>
<td>1 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
</tr>
<tr>
<td></td>
<td>Install postinstall hooks</td>
<td>Install postinstall hooks.</td>
<td>99%</td>
<td>3 to 5 minutes</td>
<td>Yes (maintenance mode)</td>
</tr>
<tr>
<td>Re-enable applications</td>
<td>Enable applications</td>
<td>After the system update is complete, enable all applications. Bring the system out of maintenance mode.</td>
<td>100%</td>
<td>3 to 5 minutes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Total approximate time</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>3.5 to 6 hours</strong></td>
<td></td>
</tr>
</tbody>
</table>
PART I

Upgrade Cisco DNA Center

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Upgrade to Cisco DNA Center 1.3.1.4

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• Upgrade from Release 1.3.1.0, 1.3.1.1, 1.3.1.2, or 1.3.1.3 to Release 1.3.1.4, on page 10
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• Upgrade from Release 1.2.12.x to Release 1.3.1.4, on page 11
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• Upgrade from Release 1.1.7 or 1.1.8 to Release 1.3.1.4, on page 16

Cisco ISE Is Required with Cisco DNA Center 1.3.1.4 and Later

Installation of or upgrade to Cisco DNA Center 1.3.1.4 checks to see if Cisco ISE is configured as an authentication and policy (AAA) server. If the correct version of Cisco ISE is already configured, you can start migration of group policy data from Cisco ISE to Cisco DNA Center.

If Cisco ISE is not configured, or if the required version of Cisco ISE is not present, Cisco DNA Center installs, but Group-Based Policy is not enabled. You must install or upgrade Cisco ISE and connect it to Cisco DNA Center. You can then start the data migration.

For more information, see the following:

• To learn how to integrate Cisco DNA Center with Cisco ISE, see the "Integrate Cisco ISE with Cisco DNA Center" topic in the Cisco DNA Center Second Generation Appliance Installation Guide.

• To view the required versions of Cisco ISE, see the Release Notes for Cisco DNA Center.

• To learn about migrating policy data to Cisco DNA Center, see the "Group-Based Access Control: Policy Data Migration" topic in the Cisco DNA Center Second Generation Appliance Installation Guide.
Upgrade from Release 1.3.1.0, 1.3.1.1, 1.3.1.2, or 1.3.1.3 to Release 1.3.1.4

From Cisco DNA Center 1.3.1.0, 1.3.1.1, 1.3.1.2, or 1.3.1.3, you can upgrade directly to 1.3.1.4 by completing the following procedure.

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

Step 1  From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.
A system update appears on the Software Updates page.

Step 2  Click Update.

Step 3  After the system update is complete, at the top of the Application Updates field, click Download All.
The packages begin downloading.

Step 4  After the packages are downloaded, at the top of the Application Updates field, click Update All.
The packages begin updating.

Step 5  Ensure that each application has been updated by reviewing its version in the Installed Apps page.

Upgrade from Release 1.3 or 1.3.0.x to Release 1.3.1.4

By completing the following procedure, you can upgrade directly to 1.3.1.4 from the following Cisco DNA Center versions:

- 1.3
- 1.3.0.2
- 1.3.0.3
- 1.3.0.4
- 1.3.0.5

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

Step 1  From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.
A Cisco DNA Center 1.3.1.4 is Here! banner appears at the top of the page with a Switch Now button.
Switch Now lets you see the system and application packages that are available to update.

Step 2  Click Switch Now in the banner.
Upgrade from Release 1.2.12.x to Release 1.3.1.4

From Cisco DNA Center 1.2.12.x, you can upgrade directly to 1.3.1.4 by completing the following procedure. After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

Step 1
From the Cisco DNA Center home page, choose ✡ > System Settings > Software Updates.

A Cisco DNA Center 1.3.0.5 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.

Step 2
Click Switch Now in the banner.

Step 3
At the prompt, click OK to proceed, but do not download, update, and install the 1.3.0.5 system and application packages.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

Step 4
Click Switch Now in the Cisco DNA Center 1.3.1.4 is Here! banner that appears.

Step 5
At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

Step 6
A system update appears on the Software Updates page. Click Update.

Step 7
After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.

Step 8
After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating.

Step 9
Ensure that each application has been updated by reviewing its version in the Installed Apps page.
Upgrade from Release 1.2.10.x to Release 1.3.1.4

From Cisco DNA Center 1.2.10.x, you can upgrade directly to 1.3.1.4 by completing the following procedure. After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

**Step 1** From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.

**Step 2** Download, update, and install the packages that appear at the top of the page.

A Cisco DNA Center 1.2.12 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.

**Step 3** Click Switch Now in the banner.

**Step 4** At the prompt, click OK to proceed, but do not download, update, and install the 1.2.12.x system and application packages.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

A Cisco DNA Center 1.3.0.5 is Here! banner appears at the top of the page with a Switch Now button.

**Step 5** Click Switch Now in the banner.

**Step 6** At the prompt, click OK to proceed, but do not download, update, and install the 1.3.0.5 system and application packages.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

A Cisco DNA Center 1.3.1.4 is Here! banner appears at the top of the page with a Switch Now button.

**Step 7** Click Switch Now in the banner.

**Step 8** At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

**Step 9** A system update appears on the Software Updates page. Click Update.

**Step 10** After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.

**Step 11** After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating.

**Step 12** Ensure that each application has been updated by reviewing its version in the Installed Apps page.
Upgrade from Release 1.2.8 to Release 1.3.1.4

You cannot upgrade directly from Cisco DNA Center 1.2.8 to 1.3.1.4. You must first upgrade to 1.2.10.x. From there, you can upgrade directly to 1.3.1.4.

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

| Step 1 | From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.  
|        | A Cisco DNA Center 1.2.10 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.  
| Step 2 | Click Switch Now in the banner.  
| Step 3 | At the prompt, click OK to proceed with the upgrade.  
|        | Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.  
|        | At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.12 is Here! banner that appears at the top of the page.  
| Step 4 | A system update appears on the Software Updates page. Click Update.  
| Step 5 | After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.  
| Step 6 | After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating. Don't update individual applications unless the Cisco TAC instructs you to do so.  
| Step 7 | After the upgrade to 1.2.10.x is complete, see Upgrade from Release 1.2.10.x to Release 1.3.1.4, on page 12.  

Upgrade from Release 1.2.6 to Release 1.3.1.4

You cannot upgrade directly from Cisco DNA Center 1.2.6 to 1.3.1.4. You must first upgrade to 1.2.8, and then to 1.2.10.x. From there, you can upgrade directly to 1.3.1.4.

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

| Step 1 | Do one of the following:  
|        | • If you installed Cisco DNA Center 1.2.6 as a fresh installation, you must apply a system update patch (1.1.0.659.1) before you can upgrade to 1.2.8. From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.  

Cisco DNA Center Upgrade Guide
Step 2 At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.10 is Here! banner that appears at the top of the page.

Step 3 A system update appears on the Software Updates page. Click Update.

Step 4 After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.

Step 5 After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating.

Don’t update individual applications unless the Cisco TAC instructs you to do so.

Step 6 Ensure that each application has been updated by reviewing its version in the Installed Apps page.

Step 7 After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.3.1.4, on page 13.

Upgrade from Release 1.2.5 to Release 1.3.1.4

You cannot upgrade directly from Cisco DNA Center 1.2.5 to 1.3.1.4. You must first upgrade to 1.2.6, then to 1.2.8, and then to 1.2.10.x. From there, you can upgrade directly to 1.3.1.4.

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

Step 1 From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.

A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.

Step 2 Click Switch Now in the banner.

Step 3 At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.8 is Here! banner that appears at the top of the page.

Step 4 A system update appears on the Software Updates page. Click Update.
Upgrade from Release 1.2 – 1.2.4 to Release 1.3.1.4

You cannot upgrade directly from Cisco DNA Center 1.2 – 1.2.4 to 1.3.1.4. You must first upgrade to 1.2.6, then to 1.2.8, and then to 1.2.10.x. From there, you can upgrade directly to 1.3.1.4.

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

Step 1 From the Cisco DNA Center home page, choose ☀ > System Settings > Software Updates.

A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.

Step 2 Click Switch Now in the banner.

Step 3 At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.8 is Here! banner that appears at the top of the page.

Step 4 A system update appears on the Software Updates page. Click Update.

Step 5 After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.

Step 6 After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

Step 7 Ensure that each application has been updated by reviewing its version in the Installed Apps page.

Step 8 After the upgrade to 1.2.6 is complete, see Upgrade from Release 1.2.6 to Release 1.3.1.4, on page 13.
Upgrade from Release 1.1.7 or 1.1.8 to Release 1.3.1.4

You cannot upgrade directly from Cisco DNA Center 1.1.7 or 1.1.8 to 1.3.1.4. You must first upgrade to 1.2.6, then to 1.2.8, and then to 1.2.10.x. From there, you can upgrade directly to 1.3.1.4.

After you upgrade to 1.3.1.4, you cannot switch back to an earlier release.

Procedure

Step 1
From the Cisco DNA Center home page, choose ☰ > System Settings > App Management.

A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.

The App Management page also displays the following side tabs:

- **Packages & Updates**: Shows the packages that are currently installed and the updates that are available for installation from the Cisco cloud.

- **System Updates**: Shows the system updates that are currently installed and the updates that are available for installation from the Cisco cloud.

Step 2
Click Switch Now in the banner.

Step 3
At the prompt, click OK to proceed with the upgrade.

Clicking OK changes the release train in the back end. The message "Connecting to... cloud catalog" with a progress bar appears.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.8 is Here! banner that appears at the top of the page.

Step 4
After the release train change finishes, review the System Updates page.

The following information is displayed:

- **Package**: System package

- **Status**: Running

- **Installed Version**: Current system package installed

- **Available Update**: System package available for installation

Step 5
Click Install in the Available Update column.

During the install process, the following Cisco DNA Center GUI changes are made:

- **App Management** tab: Changes to the Software Updates tab

- **System Updates** side panel: Changes to the Updates side panel

- **Packages & Updates** side panel: Changes to the Installed Apps side panel
**Step 6**  
After the system installation is finished and is in **Running** state, refresh the page.  
A new **Updates** page displays the following information:  
- **Platform Update**: Displays the updated system version with a statement that the system is currently up to date. Additionally, a green check mark indicates a successful system upgrade.  
- **Apps Updates**: Displays groupings of applications with their current file size and version.  

**Note**  
After performing system updates, clear your browser cache and log in to Cisco DNA Center again.

**Step 7**  
At the top of the **Apps Updates** field, click the **Download All** button.  
After clicking this button, all the application upgrade packages are downloaded.  

**Note**  
There are additional **Download All** buttons for different application groups (for example, **Automation**, and **Assurance**). You need to only click the **Download All** button at the top of the page.

**Step 8**  
After all the application packages have been downloaded, click the **Update All** button at the top of the **Apps Updates** field.  
After clicking this button, all the applications are updated.  

**Note**  
There are additional **Update All** buttons for different application groups (for example, **Automation**, and **Assurance**). You need to only click the **Update All** button at the top of the page.

**Step 9**  
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.  
The application versions should be updated in this page.  

**Note**  
There may be some new application packages that were not part of your previous Cisco DNA Center configuration, and for this reason have not been installed by this procedure.

**Step 10**  
After the upgrade to 1.2.6 is complete, see **Upgrade from Release 1.2.6 to Release 1.3.1.4**, on page 13.
Upgrade from Release 1.1.7 or 1.1.8 to Release 1.3.1.4
Upgrade to Cisco DNA Center 1.3.0.5

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- Upgrade from Release 1.3, 1.3.0.2, or 1.3.0.3 to Release 1.3.0.5, on page 19
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- Upgrade from Release 1.2.10.x to Release 1.3.0.5, on page 21
- Upgrade from Release 1.2.8 to Release 1.3.0.5, on page 21
- Upgrade from Release 1.2.6 to Release 1.3.0.5, on page 22
- Upgrade from Release 1.2.5 to Release 1.3.0.5, on page 23
- Upgrade from Release 1.2 – 1.2.4 to Release 1.3.0.5, on page 24
- Upgrade from Release 1.1.7 or 1.1.8 to Release 1.3.0.5, on page 24

Upgrade from Release 1.3.0.4 to Release 1.3.0.5

From Cisco DNA Center 1.3.0.4, you can upgrade directly to 1.3.0.5 by completing the following procedure. After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

Procedure

Step 1  From the Cisco DNA Center home page, choose ☀ > System Settings > Software Updates.
Step 2  At the top of the Application Updates field, click Download All. The packages begin downloading.
Step 3  After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating.
Step 4  Ensure that each application has been updated by reviewing its version in the Installed Apps page.

Upgrade from Release 1.3, 1.3.0.2, or 1.3.0.3 to Release 1.3.0.5

By completing the following procedure, you can upgrade directly to 1.3.0.5 from the following Cisco DNA Center versions:

- 1.3
After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

**Procedure**

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 1</td>
<td>From the Cisco DNA Center home page, choose ☰ &gt; System Settings &gt; Software Updates.</td>
</tr>
<tr>
<td>Step 2</td>
<td>A system update appears on the Software Updates page. Click Update.</td>
</tr>
<tr>
<td></td>
<td>Refresh the page several times if the system update does not appear.</td>
</tr>
<tr>
<td>Step 3</td>
<td>After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.</td>
</tr>
<tr>
<td>Step 4</td>
<td>After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating. Don't update individual applications unless the Cisco TAC instructs you to do so.</td>
</tr>
<tr>
<td>Step 5</td>
<td>Ensure that each application has been updated by reviewing its version in the Installed Apps page.</td>
</tr>
</tbody>
</table>

### Upgrade from Release 1.2.12.x to Release 1.3.0.5

You can upgrade directly from Cisco DNA Center 1.2.12.x to 1.3.0.5. After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

**Procedure**

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 1</td>
<td>From the Cisco DNA Center home page, choose ☰ &gt; System Settings &gt; Software Updates.</td>
</tr>
<tr>
<td>Step 2</td>
<td>A Cisco DNA Center 1.3.0.5 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.</td>
</tr>
<tr>
<td>Step 3</td>
<td>Click Switch Now in the banner.</td>
</tr>
<tr>
<td>Step 4</td>
<td>At the prompt, click OK to proceed with the upgrade. Wait for approximately 90 seconds for the progress bar to finish and the updated system version to display. Refresh the page several times if the updated system version does not appear.</td>
</tr>
<tr>
<td>Step 5</td>
<td>A system update appears on the Software Updates page. Click Update.</td>
</tr>
<tr>
<td>Step 6</td>
<td>After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.</td>
</tr>
<tr>
<td>Step 7</td>
<td>After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating. Ensure that each application has been updated by reviewing its version in the Installed Apps page.</td>
</tr>
</tbody>
</table>
Upgrade from Release 1.2.10.x to Release 1.3.0.5

You can upgrade directly from Cisco DNA Center 1.2.10.x to 1.3.0.5.

After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

**Procedure**

**Step 1**
From the Cisco DNA Center home page, choose 🕰️ > System Settings > Software Updates.

**Step 2**
Download, update, and install the packages that appear at the top of the page.

A Cisco DNA Center 1.2.12 is Here! banner appears at the top of the page with a Switch Now button. **Switch Now** lets you see the system and application packages that are available to update.

**Step 3**
At the prompt, click OK to proceed, but do not download, update, and install the 1.2.12.x system and application packages.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

**Step 4**
Click **Switch Now** in the Cisco DNA Center 1.3.0.5 is Here! banner that appears.

**Step 5**
At the prompt, click OK to proceed with the upgrade.

A system update appears on the Software Updates page. Click **Update**.

**Step 7**
After the system update is complete, at the top of the Application Updates field, click **Download All**. The packages begin downloading.

**Step 8**
After the packages are downloaded, at the top of the Application Updates field, click **Update All**. The packages begin updating.

**Step 9**
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

Upgrade from Release 1.2.8 to Release 1.3.0.5

You cannot upgrade directly from Cisco DNA Center 1.2.8 to 1.3.0.5. You must first upgrade to 1.2.10.x and then to 1.3.0.5.

After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

**Procedure**

**Step 1**
From the Cisco DNA Center home page, choose 🕰️ > System Settings > Software Updates.

A Cisco DNA Center 1.2.10 is Here! banner appears at the top of the page with a Switch Now button. **Switch Now** lets you see the system and application packages that are available to update.

**Step 2**
Click **Switch Now** in the banner.

**Step 3**
At the prompt, click OK to proceed with the upgrade.
Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.12 is Here! banner that appears at the top of the page.

**Step 4** A system update appears on the Software Updates page. Click Update.

**Step 5** After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.

**Step 6** After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

**Step 7** After the upgrade to 1.2.10.x is complete, see Upgrade from Release 1.2.10.x to Release 1.3.0.5, on page 21.

---

## Upgrade from Release 1.2.6 to Release 1.3.0.5

You cannot upgrade directly from Cisco DNA Center 1.2.6 to 1.3.0.5. You must first upgrade to 1.2.8, then to 1.2.10, and then to 1.3.0.5.

After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

### Procedure

**Step 1** Do one of the following:

- If you installed Cisco DNA Center 1.2.6 as a fresh installation, you must apply a system update patch (1.1.0.659.1) before you can upgrade to 1.2.8. From the Cisco DNA Center home page, choose ☑️ > System Settings > Software Updates.

  After you apply the system update patch, a Cisco DNA Center 1.2.8 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update. Click Switch Now and OK.

- If you upgraded to 1.2.6 (system update 1.1.0.659.1) from a previous Cisco DNA Center release, you see a Cisco DNA Center 1.2.8 is Here! banner. Click Switch Now and OK.

**Step 2** At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.10 is Here! banner that appears at the top of the page.

**Step 3** A system update appears on the Software Updates page. Click Update.

**Step 4** After the system update is complete, at the top of the Application Updates field, click Download All. The packages begin downloading.

**Step 5** After the packages are downloaded, at the top of the Application Updates field, click Update All.
The packages begin updating.

Don't update *individual* applications unless the Cisco TAC instructs you to do so.

**Step 6**
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

**Step 7**
After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.3.0.5, on page 21.

---

### Upgrade from Release 1.2.5 to Release 1.3.0.5

You cannot upgrade directly from Cisco DNA Center 1.2.5 to 1.3.0.5. You must first upgrade to 1.2.6, then to 1.2.8, then to 1.2.10, and then to 1.3.0.5.

After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

#### Procedure

**Step 1**
From the Cisco DNA Center home page, choose 🌐 > **System Settings** > **Software Updates**.

You will see a system update for 1.2.6; accept the update, download the 1.2.6 packages, and upgrade to 1.2.6.

After the upgrade to 1.2.6 is complete, a Cisco DNA Center 1.2.8 is Here! banner appears at the top of the page with a **Switch Now** button. **Switch Now** lets you see the system and application packages that are available to update.

**Step 2**
Click **Switch Now** in the banner.

**Step 3**
At the prompt, click **OK** to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, **do not** click **Switch Now** in the Cisco DNA Center 1.2.10 is Here! banner that appears at the top of the page.

**Step 4**
A system update appears on the **Software Updates** page. Click **Update**.

**Step 5**
After the system update is complete, at the top of the **Application Updates** field, click **Download All**.

The packages begin downloading.

**Step 6**
After the packages are downloaded, at the top of the **Application Updates** field, click **Update All**.

The packages begin updating.

Don't update *individual* applications unless the Cisco TAC instructs you to do so.

**Step 7**
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

**Step 8**
After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.3.0.5, on page 21.
Upgrade from Release 1.2 – 1.2.4 to Release 1.3.0.5

You cannot upgrade directly from Cisco DNA Center 1.2 – 1.2.4 to 1.3.0.5. You must first upgrade to 1.2.6, then to 1.2.8, then to 1.2.10, and then to 1.3.0.5.

After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

Procedure

Step 1 From the Cisco DNA Center home page, choose ☑ > System Settings > Software Updates.

A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.

Step 2 Click Switch Now in the banner.

Step 3 At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.8 is Here! banner that appears at the top of the page.

Step 4 A system update appears on the Software Updates page. Click Update.

Step 5 After the system update is complete, at the top of the Application Updates field, click Download All.

The packages begin downloading.

Step 6 After the packages are downloaded, at the top of the Application Updates field, click Update All.

The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

Step 7 Ensure that each application has been updated by reviewing its version in the Installed Apps page.

Step 8 After the upgrade to 1.2.6 is complete, see Upgrade from Release 1.2.6 to Release 1.3.0.5, on page 22.

Upgrade from Release 1.1.7 or 1.1.8 to Release 1.3.0.5

You cannot upgrade directly from Cisco DNA Center 1.1.7 or 1.1.8 to 1.3.0.5. You must first upgrade to 1.2.6, then to 1.2.8, then to 1.2.10, and then to 1.3.0.5.

After you upgrade to 1.3.0.5, you cannot switch back to an earlier release.

Procedure

Step 1 From the Cisco DNA Center home page, choose ☑ > System Settings > App Management.

A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button. Switch Now lets you see the system and application packages that are available to update.
The **App Management** page also displays the following side tabs:

- **Packages & Updates**: Shows the packages that are currently installed and the updates that are available for installation from the Cisco cloud.
- **System Updates**: Shows the system updates that are currently installed and the updates that are available for installation from the Cisco cloud.

**Step 2**
Click **Switch Now** in the banner.

**Step 3**
At the prompt, click **OK** to proceed with the upgrade.

Clicking **OK** changes the release train in the back end. The message "Connecting to... cloud catalog" with a progress bar appears.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click **Switch Now** in the **Cisco DNA Center 1.2.8 is Here!** banner that appears at the top of the page.

**Step 4**
After the release train change finishes, review the **System Updates** page.

The following information is displayed:

- **Package**: System package
- **Status**: Running
- **Installed Version**: Current system package installed
- **Available Update**: System package available for installation

**Step 5**
Click **Install** in the **Available Update** column.

During the install process, the following Cisco DNA Center GUI changes are made:

- **App Management** tab: Changes to the **Software Updates** tab
- **System Updates** side panel: Changes to the **Updates** side panel
- **Packages & Updates** side panel: Changes to the **Installed Apps** side panel

**Step 6**
After the system installation is finished and is in **Running** state, refresh the page.

A new **Updates** page displays the following information:

- **Platform Update**: Displays the updated system version with a statement that the system is currently up to date. Additionally, a green check mark indicates a successful system upgrade.
- **Apps Updates**: Displays groupings of applications with their current file size and version.

**Note** After performing system updates, clear your browser cache and log in to Cisco DNA Center again.

**Step 7**
At the top of the **Apps Updates** field, click the **Download All** button.

After clicking this button, all the application upgrade packages are downloaded.
There are additional **Download All** buttons for different application groups (for example, **Automation**, and **Assurance**). You need to only click the **Download All** button at the top of the page.

**Step 8** After all the application packages have been downloaded, click the **Update All** button at the top of the **Apps Updates** field.

After clicking this button, all the applications are updated.

**Note** There are additional **Update All** buttons for different application groups (for example, **Automation**, and **Assurance**). You need to only click the **Update All** button at the top of the page.

**Step 9** Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

The application versions should be updated in this page.

**Note** There may be some new application packages that were not part of your previous Cisco DNA Center configuration, and for this reason have not been installed by this procedure.

**Step 10** After the upgrade to 1.2.6 is complete, see Upgrade from Release 1.2.6 to Release 1.3.0.5, on page 22.
Upgrade to Cisco DNA Center 1.2.12.x

- Upgrade from Release 1.2.10.x to Release 1.2.12.x, on page 27
- Upgrade from Release 1.2.8 to Release 1.2.12.x, on page 28
- Upgrade from Release 1.2.6 to Release 1.2.12.x, on page 28
- Upgrade from Release 1.2.5 to Release 1.2.12.x, on page 29
- Upgrade from Release 1.2 – 1.2.4 to Release 1.2.12.x, on page 30
- Upgrade from Release 1.1.7 or 1.1.8 to Release 1.2.12.x, on page 31

Upgrade from Release 1.2.10.x to Release 1.2.12.x

You can upgrade directly from Cisco DNA Center 1.2.10.x to 1.2.12.x.

Procedure

**Step 1**  
From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.  
A Cisco DNA Center 1.2.12 is Here! banner appears at the top of the page with a Switch Now button.  
The Switch Now button becomes active only after you download and update any packages that appear on the page.

**Step 2**  
At the top of the Application Updates field, click Download All.  
The packages begin downloading.

**Step 3**  
After the packages are downloaded, at the top of the Application Updates field, click Update All.  
The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

**Step 4**  
Ensure that each application has been updated by reviewing its version in the Installed Apps page.

**Step 5**  
Click Switch Now in the Cisco DNA Center 1.2.12 is Here! banner.

**Step 6**  
At the prompt, click OK to proceed with the upgrade.  
Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

**Step 7**  
A system update appears on the Software Updates page. Click Update.

**Step 8**  
At the top of the Application Updates field, click Download All.
The packages begin downloading.

**Step 9**
After the packages are downloaded, at the top of the **Application Updates** field, click **Update All**.
The packages begin updating.

Don't update *individual* applications unless the Cisco TAC instructs you to do so.

**Step 10**
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

---

**Upgrade from Release 1.2.8 to Release 1.2.12.x**

You cannot upgrade directly from Cisco DNA Center 1.2.8 to 1.2.12.x. You must first upgrade to 1.2.10.x and then to 1.2.12.x.

**Procedure**

**Step 1**
From the Cisco DNA Center home page, choose 🌍 > **System Settings** > **Software Updates**.

A **Cisco DNA Center 1.2.10 is Here!** banner appears at the top of the page with a **Switch Now** button.

**Step 2**
Click **Switch Now** in the banner.

**Step 3**
At the prompt, click **OK** to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click **Switch Now** in the **Cisco DNA Center 1.2.12 is Here!** banner that appears at the top of the page.

**Step 4**
A system update appears on the **Software Updates** page. Click **Update**.

**Step 5**
After the system update is complete, at the top of the **Application Updates** field, click **Download All**.
The packages begin downloading.

**Step 6**
After the packages are downloaded, at the top of the **Application Updates** field, click **Update All**.
The packages begin updating.

Don't update *individual* applications unless the Cisco TAC instructs you to do so.

**Step 7**
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

**Step 8**
After the upgrade to 1.2.10.x is complete, see **Upgrade from Release 1.2.10.x to Release 1.2.12.x**, on page 27.

---

**Upgrade from Release 1.2.6 to Release 1.2.12.x**

You cannot upgrade directly from Cisco DNA Center 1.2.6 to 1.2.12.x. You must first upgrade to 1.2.8, then to 1.2.10.x, and then to 1.2.12.x.
Procedure

**Step 1**
Do one of the following:

- If you installed Cisco DNA Center 1.2.6 as a fresh installation, you must apply a system update patch (1.1.0.659.1) before you can upgrade to 1.2.8. From the Cisco DNA Center home page, choose ✉️ > System Settings > Software Updates.

  After you apply the system update patch, a **Cisco DNA Center 1.2.8 is Here!** banner appears at the top of the page with a **Switch Now** button. Click **Switch Now** and **OK**.

- If you upgraded to 1.2.6 (system update 1.1.0.659.1) from a previous Cisco DNA Center release, you see a **Cisco DNA Center 1.2.8 is Here!** banner. Click **Switch Now** and **OK**.

  Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

  At this point in the procedure, do **not** click **Switch Now** in the **Cisco DNA Center 1.2.10 is Here!** banner that appears at the top of the page.

**Step 2**
A system update appears on the **Software Updates** page. Click **Update**.

**Step 3**
After the system update is complete, at the top of the **Application Updates** field, click **Download All**. The packages begin downloading.

**Step 4**
After the packages are downloaded, at the top of the **Application Updates** field, click **Update All**. The packages begin updating.

Don't update **individual** applications unless the Cisco TAC instructs you to do so.

**Step 5**
Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

**Step 6**
After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.2.12.x, on page 28.

---

**Upgrade from Release 1.2.5 to Release 1.2.12.x**

You cannot upgrade directly from Cisco DNA Center 1.2.5 to 1.2.12.x. You must first upgrade to 1.2.6, then to 1.2.8, then to 1.2.10.x, and then to 1.2.12.x.

**Procedure**

**Step 1**
From the Cisco DNA Center home page, choose ✉️ > System Settings > Software Updates.

You will see a system update for 1.2.6; accept the update, download the 1.2.6 packages, and upgrade to 1.2.6.

After the upgrade to 1.2.6 is complete, a **Cisco DNA Center 1.2.8 is Here!** banner appears at the top of the page with a **Switch Now** button.

**Step 2**
Click **Switch Now** in the banner.

**Step 3**
At the prompt, click **OK** to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.
At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.10 is Here! banner that appears at the top of the page.

**Step 4**  
A system update appears on the Software Updates page. Click Update.

**Step 5**  
After the system update is complete, at the top of the Application Updates field, click Download All.  
The packages begin downloading.

**Step 6**  
After the packages are downloaded, at the top of the Application Updates field, click Update All.  
The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

**Step 7**  
Ensure that each application has been updated by reviewing its version in the Installed Apps page.

**Step 8**  
After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.2.12.x, on page 28.

---

Upgrade from Release 1.2 – 1.2.4 to Release 1.2.12.x

You cannot upgrade directly from Cisco DNA Center 1.2 – 1.2.4 to 1.2.12.x. You must first upgrade to 1.2.6, then to 1.2.8, then to 1.2.10.x, and then to 1.2.12.x.

**Procedure**

**Step 1**  
From the Cisco DNA Center home page, choose ☰ > System Settings > Software Updates.  
A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button.

**Step 2**  
Click Switch Now in the banner.

**Step 3**  
At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.8 is Here! banner that appears at the top of the page.

**Step 4**  
A system update appears on the Software Updates page. Click Update.

**Step 5**  
After the system update is complete, at the top of the Application Updates field, click Download All.  
The packages begin downloading.

**Step 6**  
After the packages are downloaded, at the top of the Application Updates field, click Update All.  
The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

**Step 7**  
Ensure that each application has been updated by reviewing its version in the Installed Apps page.

**Step 8**  
After the upgrade to 1.2.6 is complete, see Upgrade from Release 1.2.6 to Release 1.2.12.x, on page 28.
Upgrade from Release 1.1.7 or 1.1.8 to Release 1.2.12.x

You cannot upgrade directly from Cisco DNA Center 1.1.7 or 1.1.8 to 1.2.12.x. You must first upgrade to 1.2.6, then to 1.2.8, then to 1.2.10.x, and then to 1.2.12.x.

Procedure

Step 1
From the Cisco DNA Center home page, choose ✉️ > System Settings > App Management.
A *Cisco DNA Center 1.2.6 is Here!* banner appears at the top of the page with a Switch Now button.
The App Management page also displays the following side tabs:
- **Packages & Updates**: Shows the packages currently installed and updates available for installation from the Cisco cloud.
- **System Updates**: Shows the system updates currently installed and updates available for installation from the Cisco cloud.

Step 2
Click **Switch Now** in the banner.

Step 3
At the prompt, click **OK** to proceed with the upgrade.
Clicking **OK** changes the release train in the back end. The message "Connecting to... 1.2.6 cloud catalog" with a progress bar appears.
Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.
At this point in the procedure, do not click **Switch Now** in the *Cisco DNA Center 1.2.8 is Here!* banner that appears at the top of the page.

Step 4
After the release train change finishes, review the **System Updates** page.
The following information is displayed:
- **Package**: System package
- **Status**: Running
- **Installed Version**: Current system package installed
- **Available Update**: System package available for installation

Step 5
Click **Install** in the **Available Update** column.
During the install process, the following Cisco DNA Center GUI changes are made:
- **App Management** tab: Changes to the **Software Updates** tab
- **System Updates** side panel: Changes to the **Updates** side panel
- **Packages & Updates** side panel: Changes to the **Installed Apps** side panel

Step 6
After the system installation is finished and is in **Running** state, refresh the page.
A new Updates page displays the following information:

- **Platform Update**: Displays the updated system version with a statement that the system is currently up to date. Additionally, a green check mark indicates a successful system upgrade.

- **Apps Updates**: Displays groupings of applications with their current file size and version.

**Note** After performing system updates, clear your browser cache and log in to Cisco DNA Center 1.2.6 again.

**Step 7**

At the top of the Apps Updates field, click the **Download All** button.

After clicking this button, all the application upgrade packages are downloaded.

**Note** There are additional **Download All** buttons for different application groups (for example, **Automation**, and **Assurance**). You need to only click the **Download All** button at the top of the page.

**Step 8**

After all of the application packages have been downloaded, click the **Update All** button at the top of the Apps Updates field.

After clicking this button, all of the applications are updated.

**Note** There are additional **Update All** buttons for different application groups (for example, **Automation**, and **Assurance**). You need to only click the **Update All** button at the top of the page.

**Step 9**

Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

The application versions should be updated in this page.

**Note** There may be some new application packages that were not part of your previous Cisco DNA Center configuration, and for this reason have not been installed by this procedure (for example, the Test Support package listed on this page).

**Step 10**

After the upgrade to 1.2.6 is complete, see Upgrade from Release 1.2.6 to Release 1.2.12.x, on page 28.
Upgrade to Cisco DNA Center 1.2.10.x

- Upgrade from Release 1.2.8 to Release 1.2.10.x, on page 33
- Upgrade from Release 1.2.6 to Release 1.2.10.x, on page 34
- Upgrade from Release 1.2.5 to Release 1.2.10.x, on page 34
- Upgrade from Release 1.2 – 1.2.4 to Release 1.2.10.x, on page 35
- Upgrade from Release 1.1.7 or 1.1.8 to Release 1.2.10.x, on page 36

Upgrade from Release 1.2.8 to Release 1.2.10.x

You can upgrade directly from Cisco DNA Center 1.2.8 to 1.2.10.x.

**Procedure**

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 1</td>
<td>From the Cisco DNA Center home page, choose ☀ &gt; System Settings &gt; Software Updates. A Cisco DNA Center 1.2.10 is Here! banner appears at the top of the page with a Switch Now button.</td>
</tr>
<tr>
<td>Step 2</td>
<td>Click Switch Now in the banner.</td>
</tr>
<tr>
<td>Step 3</td>
<td>At the prompt, click OK to proceed with the upgrade. Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.</td>
</tr>
<tr>
<td>Step 4</td>
<td>A system update appears on the Software Updates page. Click Update.</td>
</tr>
<tr>
<td>Step 5</td>
<td>At the top of the Application Updates field, click Download All. The packages begin downloading.</td>
</tr>
<tr>
<td>Step 6</td>
<td>After the packages are downloaded, at the top of the Application Updates field, click Update All. The packages begin updating. Don't update individual applications unless the Cisco TAC instructs you to do so.</td>
</tr>
<tr>
<td>Step 7</td>
<td>Ensure that each application has been updated by reviewing its version in the Installed Apps page.</td>
</tr>
</tbody>
</table>
Upgrade from Release 1.2.6 to Release 1.2.10.x

You cannot upgrade directly from Cisco DNA Center 1.2.6 to 1.2.10.x. You must first upgrade to 1.2.8 and then to 1.2.10.x.

**Procedure**

**Step 1**
Do one of the following:

- If you installed Cisco DNA Center 1.2.6 as a fresh installation, you must apply a system update patch (1.1.0.659.1) before you can upgrade to 1.2.8. From the Cisco DNA Center home page, choose ‼️ > System Settings > Software Updates.
  
  After you apply the system update patch, a Cisco DNA Center 1.2.8 is Here! banner appears at the top of the page with a Switch Now button. Click Switch Now and OK.

- If you upgraded to 1.2.6 (system update 1.1.0.659.1) from a previous Cisco DNA Center release, you see a Cisco DNA Center 1.2.8 is Here! banner. Click Switch Now and OK.

  Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

  At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.10 is Here! banner that appears at the top of the page.

**Step 2**
A system update appears on the Software Updates page. Click Update.

**Step 3**
At the top of the Application Updates field, click Download All.

The packages begin downloading.

**Step 4**
After the packages are downloaded, at the top of the Application Updates field, click Update All.

The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

**Step 5**
Ensure that each application has been updated by reviewing its version in the Installed Apps page.

**Step 6**
After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.2.10.x, on page 33.

Upgrade from Release 1.2.5 to Release 1.2.10.x

You cannot upgrade directly from Cisco DNA Center 1.2.5 to 1.2.10.x. You must first upgrade to 1.2.6, then to 1.2.8, and then to 1.2.10.x.

**Procedure**

**Step 1**
From the Cisco DNA Center home page, choose ‼️ > System Settings > Software Updates.

You will see a system update for 1.2.6; accept the update, download the 1.2.6 packages, and upgrade to 1.2.6.
After the upgrade to 1.2.6 is complete, a Cisco DNA Center 1.2.8 is Here! banner appears at the top of the page with a Switch Now button.

**Step 2** Click Switch Now in the banner.

**Step 3** At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.10 is Here! banner that appears at the top of the page.

**Step 4** A system update appears on the Software Updates page. Click Update.

**Step 5** At the top of the Application Updates field, click Download All.

The packages begin downloading.

**Step 6** After the packages are downloaded, at the top of the Application Updates field, click Update All.

The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.

**Step 7** Ensure that each application has been updated by reviewing its version in the Installed Apps page.

**Step 8** After the upgrade to 1.2.8 is complete, see Upgrade from Release 1.2.8 to Release 1.2.10.x, on page 33.

---

**Upgrade from Release 1.2 – 1.2.4 to Release 1.2.10.x**

You cannot upgrade directly from Cisco DNA Center 1.2 – 1.2.4 to 1.2.10.x. You must first upgrade to 1.2.6, then to 1.2.8, and then to 1.2.10.x.

**Procedure**

**Step 1** From the Cisco DNA Center home page, choose ⚙ > System Settings > Software Updates.

A Cisco DNA Center 1.2.6 is Here! banner appears at the top of the page with a Switch Now button.

**Step 2** Click Switch Now in the banner.

**Step 3** At the prompt, click OK to proceed with the upgrade.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do not click Switch Now in the Cisco DNA Center 1.2.8 is Here! banner that appears at the top of the page.

**Step 4** A system update appears on the Software Updates page. Click Update.

**Step 5** At the top of the Application Updates field, click Download All.

The packages begin downloading.

**Step 6** After the packages are downloaded, at the top of the Application Updates field, click Update All.

The packages begin updating.

Don't update individual applications unless the Cisco TAC instructs you to do so.
Step 7  Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

Step 8  After the upgrade to 1.2.6 is complete, see Upgrade from Release 1.2.6 to Release 1.2.10.x, on page 34.

---

**Upgrade from Release 1.1.7 or 1.1.8 to Release 1.2.10.x**

You cannot upgrade directly from Cisco DNA Center 1.1.7 or 1.1.8 to 1.2.10.x. You must first upgrade to 1.2.6, then to 1.2.8, and then to 1.2.10.x.

**Procedure**

**Step 1**  From the Cisco DNA Center home page, choose 🌐 > **System Settings** > **App Management**.

A **Cisco DNA Center 1.2.6 is Here!** banner appears at the top of the page with a **Switch Now** button.

The **App Management** page also displays the following side tabs:

- **Packages & Updates**: Shows the packages that are currently installed and the updates that are available for installation from the Cisco cloud.
- **System Updates**: Shows the System updates that are currently installed and the updates that are available for installation from the Cisco cloud.

**Step 2**  Click **Switch Now** in the banner.

**Step 3**  At the prompt, click **OK** to proceed with the upgrade.

Clicking **OK** changes the release train in the back end. The message "Connecting to... cloud catalog" with a progress bar appears.

Wait for approximately 90 seconds for the progress bar to finish and the updated system version and banner to display. Refresh the page several times if the updated system version and banner do not appear.

At this point in the procedure, do **not** click **Switch Now** in the **Cisco DNA Center 1.2.8 is Here!** banner that appears at the top of the page.

**Step 4**  After the release train change finishes, review the **System Updates** page.

The following information is displayed:

- **Package**: System package
- **Status**: Running
- **Installed Version**: Current system package installed
- **Available Update**: System package available for installation

**Step 5**  Click **Install** in the **Available Update** column.

During the install process, the following Cisco DNA Center GUI changes are made:

- **App Management** tab: Changes to the **Software Updates** tab
- **System Updates** side panel: Changes to the **Updates** side panel
• **Packages & Updates** side panel: Changes to the **Installed Apps** side panel

**Step 6**

After the system installation is finished and is in **Running** state, refresh the page.

A new **Updates** page displays the following information:

- **Platform Update**: Displays the updated system version with a statement that the system is currently up to date. Additionally, a green check mark indicates a successful system upgrade.

- **Apps Updates**: Displays groupings of applications with their current file size and version.

**Note**

After performing system updates, clear your browser cache and log in to Cisco DNA Center again.

**Step 7**

At the top of the **Apps Updates** field, click the **Download All** button.

After clicking this button, all the application upgrade packages are downloaded.

**Note**

There are additional **Download All** buttons for different application groups (for example, Automation, and Assurance). You need to only click the **Download All** button at the top of the page.

**Step 8**

After all the application packages have been downloaded, click the **Update All** button at the top of the **Apps Updates** field.

After clicking this button, all the applications are updated.

**Note**

There are additional **Update All** buttons for different application groups (for example, Automation, and Assurance). You need to only click the **Update All** button at the top of the page.

**Step 9**

Ensure that each application has been updated by reviewing its version in the **Installed Apps** page.

The application versions should be updated in this page.

**Note**

There may be some new application packages that were not part of your previous Cisco DNA Center configuration, and for this reason have not been installed by this procedure.

**Step 10**

After the upgrade to 1.2.6 is complete, see **Upgrade from Release 1.2.6 to Release 1.2.10.x**, on page 34.
Upgrade from Release 1.1.7 or 1.1.8 to Release 1.2.10.x
Appendix

• Recover from Premature Package Downloads, on page 39
• Related Documentation, on page 39

Recover from Premature Package Downloads

Successful migration to this release requires that you install all system updates before downloading or installing package updates. Due to dependencies among the updates, failure to observe this rule can make it impossible to install both system updates and package updates. Problem indicators include messages that a system update has failed and package update downloads that never exit the "Downloading" state.

As an admin user with Maglev SSH access privileges, complete the following steps to recover and install the system update.

Procedure

Step 1
Using an SSH client, log in to the Cisco DNA Center appliance using the IP address of the out-of-band management network adapter, on port 2222. Use the maglev login command and log in with an admin username and password (which is the same login used for the admin user on the Cisco DNA Center GUI).

Step 2
At the command line, delete all prematurely downloaded package updates by entering the following command:

```
for pkg in $(maglev package status -o json | jq -r '.[].name,.available | tostring | join ("::")'); do maglev catalog package delete $pkg 2>/dev/null; done
```

Important You must enter the preceding command as one line.

Step 3
Trigger the downloaded system update from the Cisco DNA Center GUI.

Step 4
After the system update installs successfully, download and install the package updates.

Related Documentation

We recommend that you read the following documents relating to Cisco DNA Center:
<table>
<thead>
<tr>
<th>For This Type of Information...</th>
<th>See This Document...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release information, including new features, limitations, and open and resolved bugs.</td>
<td>Cisco DNA Center Release Notes</td>
</tr>
<tr>
<td>Installation and configuration of Cisco DNA Center, including postinstallation tasks.</td>
<td>Cisco DNA Center Installation Guide</td>
</tr>
<tr>
<td>Upgrade information for your current release of Cisco DNA Center.</td>
<td>Cisco DNA Center Upgrade Guide</td>
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<tr>
<td>Use of the Cisco DNA Center GUI and its applications.</td>
<td>Cisco DNA Center User Guide</td>
</tr>
<tr>
<td>Configuration of user accounts, security certificates, authentication and password policies, and backup and restore.</td>
<td>Cisco DNA Center Administrator Guide</td>
</tr>
<tr>
<td>Supported devices, such as routers, switches, wireless access points, NFVIS platforms, and software releases.</td>
<td>Supported Devices</td>
</tr>
<tr>
<td>Hardware and software support for Cisco SD-Access.</td>
<td>Cisco SD-Access Hardware and Software Compatibility Matrix</td>
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<tr>
<td>Use of the Cisco DNA Assurance GUI.</td>
<td>Cisco DNA Assurance User Guide</td>
</tr>
<tr>
<td>Use of the Cisco DNA Center platform GUI and its applications.</td>
<td>Cisco DNA Center Platform User Guide</td>
</tr>
<tr>
<td>Cisco DNA Center platform release information, including new features, deployment, and bugs.</td>
<td>Cisco DNA Center Platform Release Notes</td>
</tr>
<tr>
<td>Key features and scale numbers.</td>
<td>Cisco DNA Center Data Sheet</td>
</tr>
<tr>
<td>Use of the Cisco Wide Area Bonjour Application GUI.</td>
<td>Cisco Wide Area Bonjour Application User Guide</td>
</tr>
<tr>
<td>Use of the Stealthwatch Security Analytics Service on Cisco DNA Center.</td>
<td>Cisco Stealthwatch Analytics Service User Guide</td>
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</table>
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