


# **Dell Command | Cloud Repository Manager**

## Administrator Guide v1.12 and later

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Introduction

The Dell Command | Cloud Repository Manager is part of the Dell Client Command Suite, a set of industry-leading tools that help simplify management of Dell commercial client devices.

The Cloud Repository Manager is a cloud-based application that allows IT administrators to create and manage one or more custom catalogs or repositories for updates to the Dell commercial client systems within their environment. System updates include updates to drivers, firmware, BIOS, and some Dell applications. At the endpoint, IT administrators can use the Dell Command | Update tool to install the updates.

For IT teams spread across multiple offices, work environments, and time zones, the Cloud Repository Manager provides a centralized library of saved custom catalogs. IT teams can collaborate and access shared catalogs regardless of location, saving time and effort and ensuring consistency in the update process.

## Change for product name and landing page

**NOTE:** As of October 11, 2021, the Dell Command | Cloud Repository Manager product is no longer listed as a separate tool within Dell TechDirect. This tool is replaced with the custom *update catalogs* feature as part of the *Manage PC Fleet* > *Connect and manage PCs* > *Manage* workflow within Dell TechDirect. The final release with the name Dell Command | Cloud Repository Manager is version 1.11.

For documentation on the update catalogs feature, see [SupportAssist for Business PCs](#) version 3.1 and later and select one of these:

- *SupportAssist for Business PCs with Windows OS Administrator Guide* - See chapter 6, *Custom catalogs for your PC fleet*.
- *SupportAssist for Business PCs with Windows OS Release Notes*

Administrators can continue to manually manage existing update catalogs and create new ones. In addition, based on service plans and PC connection to Dell Technologies, SupportAssist provides automated options for creating, managing, and deploying catalogs.

## Process Overview

These processes and diagram provide an overview of the Dell Command | Cloud Repository Manager and the Dell Command | Update utilities. This section includes the following:

- [Log in to the Cloud Repository Manager](#)
- [Add models](#)
- [Create custom update catalogs or modify existing ones](#)
- [Enable specific components for the current custom catalog](#)
- [Use the Dell Command | Update tool to implement the updates](#)

## Log in to the Dell Command | Cloud Repository Manager cloud-based application

1. Log in to the Cloud Repository Manager through the TechDirect portal.
2. Select the **Device Management** tab and then the Dell Command | Cloud Repository Manager tile.



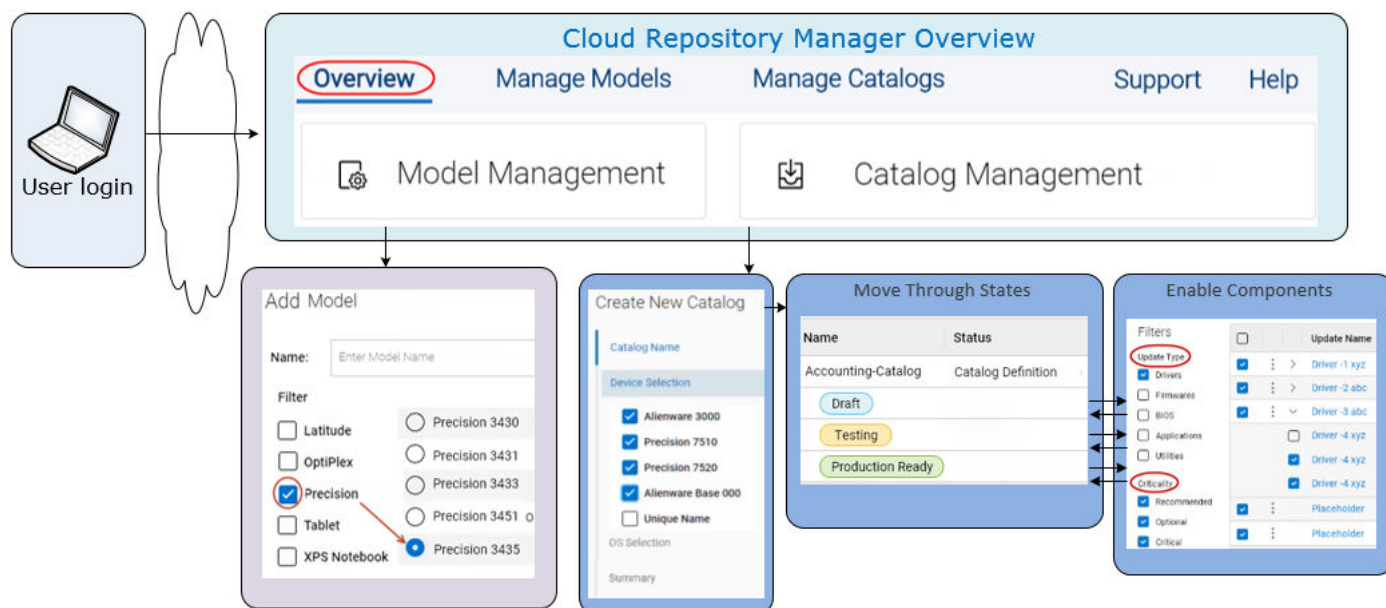
**NOTE:** For more information, see the *TechDirect* Help.

3. On the Overview page, select **Model Management**.

### Benefits of the cloud-based application

- The IT administrator can provide access control so that multiple IT administrators can collaborate on, view, edit, and track the custom update catalogs.
- With custom update catalogs stored in the cloud, IT administrators can easily package and download for deployment to their system fleet.

### Dell Command | Cloud Repository Manager



**NOTE:** The images in this process diagram represent portions of the user interface.

## Add models

Before you can create a custom update catalog, you must add one or more Dell models to your repository. Your enterprise may provide different Dell models based on the needs of a work group or department. Those models may require different updates based on the needs of each group.

### Benefits

- Filters in the user interface allow you to make granular selections, simplifying the number of prioritized updates.
- Search functionality allows you to locate a specific Dell model.

- The ability to name or rename models with unique and descriptive names facilitates management.

## Create custom update catalogs or modify existing ones

On the Overview page, select Manage Catalog to create a custom catalog for updating and managing your Dell client fleet.

In the Catalog wizard, do the following:

1. Provide a unique and descriptive name for each catalog.
2. From the list, select one or more Dell commercial models that you added to your repository.
3. Select corresponding operating systems.

The catalog name and a Draft instance are added to the Catalog Management page.

- This catalog definition contains the list of drivers, BIOS, firmware, and Dell application updates that were available at that moment for your specified Dell models. These components are pulled down in the form of Dell Update Packages (DUPs), software utilities that Dell provides to update specific software components.
- The Draft instance is a snapshot of the catalog definition.

Move the version of the catalog definition through these states:

- Edit the *Draft* to identify which drivers, BIOS, firmware, and Dell applications to include in the current update.
- Convert the Draft to a *Test* state and continue to refine it.
- After testing, change the catalog to *Production* and then download and deploy the updates within the catalog.

### Benefits of Catalog Management page

- Centralized location for IT administrators to collaborate, edit, and track custom update catalogs.
- Opportunity to download a Test state and validate the updates before distributing to users.
- The Cloud Repository Manager archives Production versions so IT administrators can access past versions if needed.

## Enable specific components for the current custom catalog

From the Draft, Test, and Production states, you can access the list of drivers and other components to decide which to include or exclude for the current update.

### Benefits

- IT administrator can control which updates to implement. For example, you can select based on criticality or category types, like video cards only.
- Ensures that thin client devices are equipped with the latest BIOS, driver, firmware, and software updates.

## Use Dell Command | Update tool to implement the updates

The Dell Command | Update tool is a stand-alone application that locates and installs updates for Dell client systems. The Update application reads the custom catalog file that is created by the Cloud Repository Manager and implements the updates.

The Update application can also be used to install drivers after the operating system and network drivers are installed based on the system identity.

### Benefits

- Using the two applications can help simplify the BIOS, firmware, driver, and application update experience for Dell client hardware.
- Reduces time that is needed for deployment preparation and speeds up the overall update process.

For more information about this tool, see the *Dell Command | Update User's Guide*.

# Requirements

These requirements apply to Dell Command | Cloud Repository Manager.

## TechDirect login credentials

Log in to the Cloud Repository Manager through the TechDirect portal.

For more information, see the *TechDirect* Help.

## Cloud-based application

### Web browser

Cloud Repository Manager is best experienced on:

- Microsoft Edge Chromium
- Google Chrome

 **NOTE:** Your browser must accept cookies.

- Mozilla Firefox

## Production environment

You can download a version of a Test, Production, or Archived catalog, install Dell.Command.Repository.Maker.exe, and create the custom catalog repository folder structure. If you decide to store source files locally rather than obtaining them from downloads.dell.com, these requirements apply to the local computer.


### Hardware requirements

Minimum hardware requirements must meet the minimum specifications of the operating system. The following details the supported hardware for the Windows client.

Requirement	
Hard Disk	1 GB or more of available space

### Operating Systems

Cloud Repository Manager is tested with the following operating system.

Windows Operating Systems
<ul style="list-style-type: none"><li>• Windows 7 (32- and 64-bit)</li><li>• Windows 8.1 (32- and 64-bit)</li><li>• Windows 10 (32- and 64-bit)</li></ul> <p> <b>NOTE:</b> Windows 10 v2004 (May 2020 Update/20H1 and higher) does not support 32-bit architecture.</p> <ul style="list-style-type: none"><li>• Windows 10 LTSC 2019 (64-bit)</li></ul>

# Language Support

Cloud Repository Manager supports the following languages.

Language Support	
EN - English DE - German ES - Spanish FR - French IT - Italian JA - Japanese	KO - Korean PT-BR - Portuguese, Brazilian RU - Russian ZH-CN - Simplified Chinese ZH-TW - Traditional Chinese



# Add and Manage Models

You can create a list of the commercial Dell device models that you manage for your enterprise. Later, when creating a custom update catalog, your list of model names displays. You can select one or more model names to include for each update catalog.

## Plan descriptive names for models

Typically, an enterprise has more than one commercial Dell device model based on technical needs or requirements of users or user groups. A best practice is to plan a descriptive name for each model since multiple IT administrators may select from these model names to create a catalog.

Each model name must be unique with a maximum of fifty characters. Here are some examples:

- Name the model after the user group of that model, such as accounting, security, knowledge workers, sales, corporate employees, executives, support, design team, or IT administrator.
- If applicable, name the model based on location, for example, remote workers, field employees, or region one sales.
- If your enterprise upgrades to a newer version of a model, you can archive the catalog that contained that previous version. However, do not delete the older version of the model. For example, if you applied the model name, *Accounting group*, to a Latitude model but you want to update the drivers, decide if an archived version of the catalog will reference the previous model. Add another model and rename it, for example, *Accounting group - updated drivers*. See [Delete a model](#).

## Add a model

Add a model for each commercial Dell product line within your enterprise environment. You can add one model at a time.

To add a model:

1. On the Cloud Repository Manager Overview page, click **Manage Models**.
2. In the upper right of the Models page, click **Add Model**.
3. In the Name field, enter a unique name, maximum of fifty characters.

See [Plan descriptive names for models](#).

4. In the Description field, enter a description, maximum of fifty characters.
5. To limit the number of Dell models that display, filter with one or more of the product line check boxes on the left.
6. On the right, select one model to include in your repository.

Add Model

Name:

Accounting group

Description:

Enter Model Description

Filter

☒ Latitude
☐ OptiPlex
☐ Precision
☐ Tablet
☐ XPS Notebook

Search

Latitude 7410

Latitude 7414

Latitude 7424

Latitude 7480

Latitude 7490

Latitude 9410

Latitude 9510

Latitude 9510

Latitude D530

Latitude D531

Cancel

Add Model

- If two models share the same ID and drivers, for example a *Tower* and *XL Tower*, those models are listed at a single button.
- If a model has been updated, for example with a new driver, the model is listed twice. Select both. A System ID column on the Models page differentiates them with an ID. The Dell Command | Update tool selects the appropriate model.

#### NOTE:

Optionally, enter a specific model in *Search*, and then select from the options that display.

## Add Model

**\*Name:**

**Description:**

**\*Use filters or Search. Then select the Dell model to include in your repository**

**Filter**  × 🔍

☐ Latitude  
☐ OptiPlex  
☐ Precision  
☐ Tablet  
☐ XPS Notebook

☐ Latitude 3190 2-in-1  
☐ Latitude 3310 2-IN-1  
☐ Latitude 3390 2-in-1  
☐ Latitude 5290 2-IN-1  
☐ Latitude 5300 2-IN-1  
☐ Latitude 5310 2-IN-1

7. When finished, click **Add Model** at the bottom right.

A success message displays on the Manage Models page, and the new model name is added to the list. On the models page, the System ID column identifies them

[Overview](#)
[Manage Models](#)
[Manage Catalogs](#)
[Support](#)
[Help](#)

✓ Your "Accounting" model was added successfully.

## Models Add Model

	Name	Model	System ID	Last Modified Date	Last Modified By
⋮	Latitude Z600	Latitude Z600	02C8	Oct 23, 2020, 2:50:47 PM	
⋮	Accounting group	Latitude 7410	09CD	Oct 24, 2020, 5:29:02 AM	
⋮	IT support	Precision 7730	0832	Oct 24, 2020, 5:30:49 AM	

Models per page 10 1 - 9 of 9 Models

Models do not have to be in a catalog. You may want to create one for future use or maintain one for reference. If a model is in a catalog, it must be in this list. If you try to delete the model from this list, a warning dialog displays.

## Select columns to display

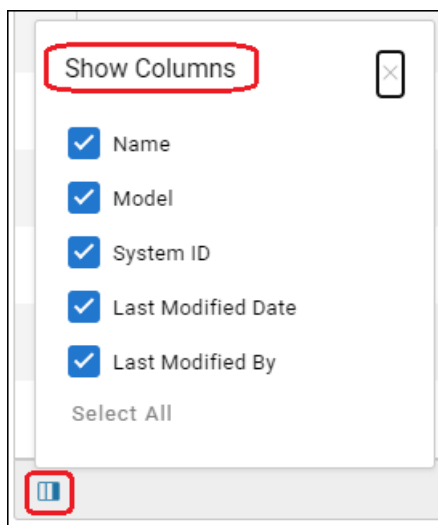
You can sort the following columns:

- Name - the name you created for the users of a specific model
- Model - the Dell device model you selected in the wizard
- System ID - an ID that Dell's source catalog assigns to each model. If a model is listed more than once in the Add Model list, the System ID can help to differentiate them. For duplicate models with the same System ID, add both to the catalog to ensure getting the correct software package. The Dell Command | Update tool selects the appropriate model.

- Last Modified Date - the date and timestamp
- Last Modified By - the login name of the IT administrator

**NOTE:** The sortable columns retain the sort order if you navigate to another page.

From the bottom left, you can select which columns to display.



## Rename a model

To rename a model:

1. Click the Available Actions icon (⋮) to the left of the model name and click **Rename**.
2. After renaming, click **OK**.

## Delete a model

To delete a model:

1. Click the Available Actions icon (⋮) to the left of the model name and click **Delete**.
2. At the confirmation, click **OK**.

**NOTE:** If you select Edit Definition and a previous version of the catalog still references some models, those models are greyed out. You cannot delete them from the list. Create a new catalog, and omit that model from your new catalog.

If you delete a model and a catalog still references it, a dialog warns that all future versions of the catalog will omit that model. Therefore, if your enterprise upgrades to a newer version of a model, add it as another model to your repository. If archived catalogs still reference the previous version of the model, the application blocks you from deleting it from the Models page.

## View the Overview page for model total numbers

You can add a model to the repository for each Dell product line that you manage in your enterprise.

The total number of your models displays on Overview > Model Management.

## Overview



### Model Management

7

Models

[MANAGE MODELS >](#)



### Catalog Management

7

Catalogs

[MANAGE CATALOGS >](#)

# Create and Manage a Catalog

The Manage Catalog page allows you to create and modify one or more custom update catalogs.

Before you can create an update catalog, you must add one or more Dell device models to your repository. When you create a catalog, those model names display allowing you to decide which models to include in each catalog.

The Manage Catalog page also lists the catalogs that you created. Each catalog definition contains one or more models and the operating systems you selected for updates. Hover over the name of the catalog definition to view its description, list of models, and list of operating systems.

## Create a new catalog

To create a catalog:

1. On Overview > Catalog Management, click **Manage Catalogs**.
2. In the upper right of the Manage Catalog page, click **Create Catalog**.

The wizard opens.


3. Enter a name and description for this catalog, maximum of fifty characters each.

For multiple catalogs, plan descriptive names that clearly identify the contents. Later, when you or other administrators must select from a list, you can distinguish them. For example:

- If you upgrade an existing catalog with new drivers, you could include the date or fiscal year or driver name to distinguish it from a previous version of the catalog.
- If the catalog includes several models, use a descriptive name.


Special characters:

- Use any Unicode character except NUL, <, >, :, ", /, \, |, ?, \*
- Do not add a space at the beginning or end.
- Do not add a period at the end.

 **NOTE:** If you use an invalid character, a dialog opens.

4. Click **Next**.
5. On the Model Selection screen, select one or more names from the list. Options display based on the model names you added in Model Management.

The wizard displays the number of model names you selected. The maximum to select is 40.

 **NOTE:** If you have close to forty models and get an error when creating a catalog, create two catalogs, each with a smaller number of models.

Select at least one model name to enable Next.

6. Click **Next**.  
A list of operating systems displays.
7. Select the applicable operating systems from the list.

Create New Catalog

Catalog Name

Model Selection

OS Selection

Summary

Step 3 | Operating System Selection

Create a catalog from your model configuration to use as a basis for configuring a set of computers that are applicable to your IT Infrastructure.

\*Select OS

☐ [Select all]
☐ Windows 7 32-bit
☐ Windows 7 64-bit
☐ Windows 8 32-bit
☐ Windows 8 64-bit
☐ Windows 8.1 32-bit
☐ Windows 8.1 64-bit
☒ Windows 10 64-Bit
☐ Windows 10 32-Bit

Cancel

Back

Next

- Click **Next**.
- Review the Summary screen and click **Create Catalog**.  
The Manage Catalog page confirms that the catalog has been created, and the catalog name displays in the Name column. The Status column displays *In Progress* for a large catalog.

Overview

Manage Models

Manage Catalogs


✓ Your .Catalog has been created.

Catalogs

	Name	Status	Version
⋮ >	Catalog for Latitude 2120 - 20	Catalog Definition	--
⋮ >	Catalog for Latitude 7410	Catalog Definition	--
⋮		In Progress	--

When the catalog definition is complete, a Draft instance is automatically added. This draft is a snapshot of the catalog definition with the most up-to-date drivers and software components that were available at the time you created the catalog.

## Catalogs

	Name	Status	Version
⋮ >	Catalog for Latitude 2120 - 20	Catalog Definition	--
⋮ ▾	Catalog for Latitude 7410	Catalog Definition	--
⋮	<span>Draft</span>  Draft Ready		--

If a *Create Catalog Error* dialog displays, typically, the catalog is too large. The dialog prompts you to remove some models or operating systems. Try creating two smaller catalogs.

Column headings include:

- Name
- Status:
- Version (sortable)
  - In Test, each time you select **Change to Production**, the version increments, such as 1.0 to 2.0.
  - In Production, if you select **Edit Production**, a dot version increments, such as 1.0 to 1.1.
- Last Modified (sortable) - Lists the date and timestamp


From the bottom left, you can select which columns to display. A Type column is listed here. However, the only current option is *Manual* since all catalogs are created manually.

 **NOTE:** If you go to another page, the sortable columns retain the sort order.

## Sort catalog columns

You can customize the columns for the list of catalogs.

1. From the bottom left, select which columns to display.
2. Optionally, sort these columns:
  - Name
  - Last Modified Date - the default sort order begins with the most recent date so that you can see which catalog has been most recently modified.
  - Last Modified By

 **NOTE:** The sortable columns retain the sort order if you navigate to another page.

## View the Overview for total catalog numbers

On the Catalog Management page, you can create custom catalogs that are applicable to your IT infrastructure. The total number of your catalogs displays on Overview > Catalog Management.



## Overview



### Model Management

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Models

[MANAGE MODELS >](#)



### Catalog Management

7

Catalogs

[MANAGE CATALOGS >](#)

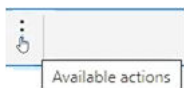
## Manage Catalog Definitions

The Manage Catalogs page contains a list of the custom update catalogs you created. Each catalog definition contains the list of models and operating systems that you selected for updates. You can move each catalog definition through Draft, Test, and Production states, which are versions of the catalog definition. Hover over the name of the catalog definition or its states to view the list of models and operating systems.

### Catalog definitions, versions, and types

IT administrators can collaborate on viewing, editing, and tracking the custom catalogs. However, be sure to communicate so you do not overwrite the work of another IT administrator.

To modify a catalog definition name or the Draft, Test, and Production states, click the Available actions icon (⋮) to the left of each.



#### Catalog definitions

Name of catalog definition	Available actions ⋮
<p>Lists the name of each custom catalog you create.</p> <p><b>NOTE:</b> Each new catalog automatically creates a Draft. You can edit the existing Draft. However, if you select <b>Create Draft</b>, the current draft is overwritten.</p>	<p><b>View Archive</b> - options include:</p> <ul style="list-style-type: none"><li>• <b>Download</b> - allows you to download an archived Production version.</li><li>• <b>View</b> - allows you to view previous Production versions of the catalog.</li></ul> <p><b>Create Draft</b> - allows you to create another Draft instance. You can have only one Draft instance for each catalog definition so creating a new draft overwrites the existing draft.</p> <p><b>Delete</b> - allows you to delete a catalog definition.</p> <p><b>Edit Definition</b> - opens the same wizard as Create Catalog and displays the Summary of the existing definition. You can change the name and description or add models and operating systems. Previously selected models and operating systems are disabled. If you want to delete them, you must create a new catalog.</p>

#### Catalog versions

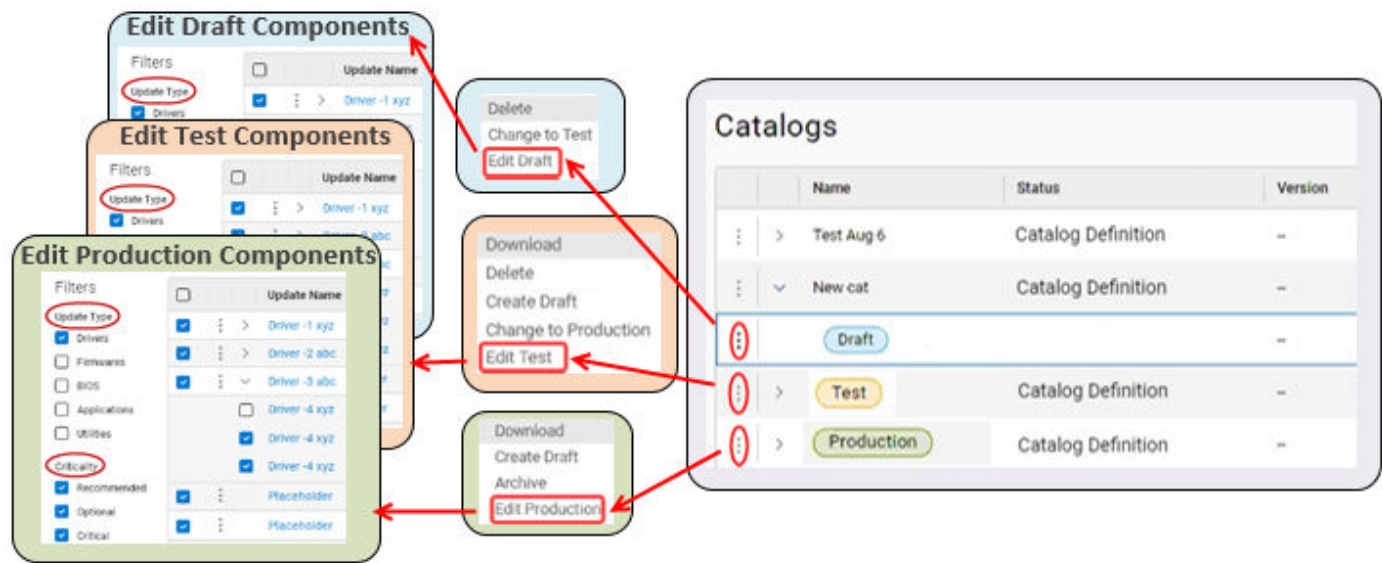
The Draft, Test, and Production states are versions of the catalog definition. The Available actions icon (⋮) varies for each catalog state. You can have only one Draft, Test, and Production at a time.

Catalog versions	Available actions ⋮
<p><b>Draft</b> - When you create a catalog, the catalog definition and a Draft instance are automatically added on the Manage Catalogs page.</p> <p>Select <b>Edit Draft</b> to determine which components to include or exclude. Then select <b>Change to Test</b></p>	<p><b>Delete</b></p> <p><b>Change to Test</b> - if the draft definition is accurate, select this option.</p> <p><b>Edit Draft</b> - see <a href="#">Enable Components for a Custom Catalog</a>.</p>
<p><b>Test</b> - You can download this version to test the definition.</p> <p>If you must modify the snapshot of the catalog, select one of these options:</p> <ul style="list-style-type: none"> <li>• <b>Create Draft</b> - To select, Test must have been created in v1.9 or higher. If earlier, this option is greyed out and a dialog informs you to select <b>Create Draft</b> from the catalog definition since model and operating system data are now stored there.</li> <li>• <b>Edit Test</b></li> </ul> <p>When the Test is complete, select <b>Change to Production</b>.</p>	<p><b>Create Download</b> - allows you to download the catalog to a local environment for testing. To be downloaded, each catalog must contain at least one selected component.</p> <p><b>Delete</b></p> <p><b>Create Draft</b> - replaces the original draft and allows you to modify a new draft as you continue testing.</p> <p><b>Change to Production</b> - Converts the Test to Production state.</p> <p><b>Edit Test</b> - allows you to determine which components to include or exclude. See <a href="#">Enable Components for a Custom Catalog</a>.</p>
<p><b>Production</b> - You can download this catalog version to deploy it.</p> <p>If you must modify the snapshot of the catalog, select one of these options:</p> <ul style="list-style-type: none"> <li>• <b>Create Draft</b> - To select, Production must have been created in v1.9 or higher. If earlier, this option is greyed out and a dialog informs you to select <b>Create Draft</b> from the catalog definition since model and operating system data are now stored there.</li> <li>• <b>Edit Production</b></li> </ul>	<p><b>Create Download</b> - allows you to download the catalog to a local environment for testing. To be downloaded, each catalog must contain at least one selected component.</p> <p><b>Create Draft</b> - replaces the original draft and allows you to modify a new draft if you must make updates.</p> <p><b>Move to Archive</b> - see <a href="#">View Archive</a>.</p> <p><b>Edit Production</b> - allows you to determine which components to include or exclude. See <a href="#">Enable Components for a Custom Catalog</a>. You cannot edit the current version of a Production version. If you click Edit in the Production state, the tool archives the current version (v1.0) and creates an incremented version (v1.1).</p>

## Edit a Draft, Test, or Production version

When you click Edit for a Draft, Test, or Production version, a list of components displays. These components were pulled in from a repository catalog at the point in time where you created a new custom catalog. You can include or exclude the listed

drivers, BIOS, firmware, and applications. If you modify this page in Test, the options in Draft maintain the previous selections.



### Edit a Draft version

With a Draft catalog, other IT administrators can collaborate. However, you cannot download a Draft.

1. Click next to Draft.
2. Click **Edit Draft**. See [Enable Components for a Custom Catalog](#).



3. After enabling or clearing components, select **Change to Test**.

**NOTE:** When you select *Change to Test*, the Draft remains. To create a new Draft, go back to the catalog definition and click **Create Draft**, which overwrites the original. The current Test remains. You can continue with the current Test version while making necessary changes to the new Draft.

**NOTE:** If more than one IT administrator edits the draft, you must communicate to avoid overwriting their work.

### Edit a Test version

From , you can download the catalog to validate and edit before creating and deploying a Production version. When you edit a Test version, the Version column is incremented.

- If no Production catalog or archived version exists, the Test version starts at 1.0.
- If you change a Test version to Production, then from Production select **Create Draft > Change to Test**, the major Test version is one point higher than the Production version of the same catalog.
- The minor version progresses as the administrator edits the current Test version.

When complete, you can select **Change to Production**. See [Download a Production Catalog](#).

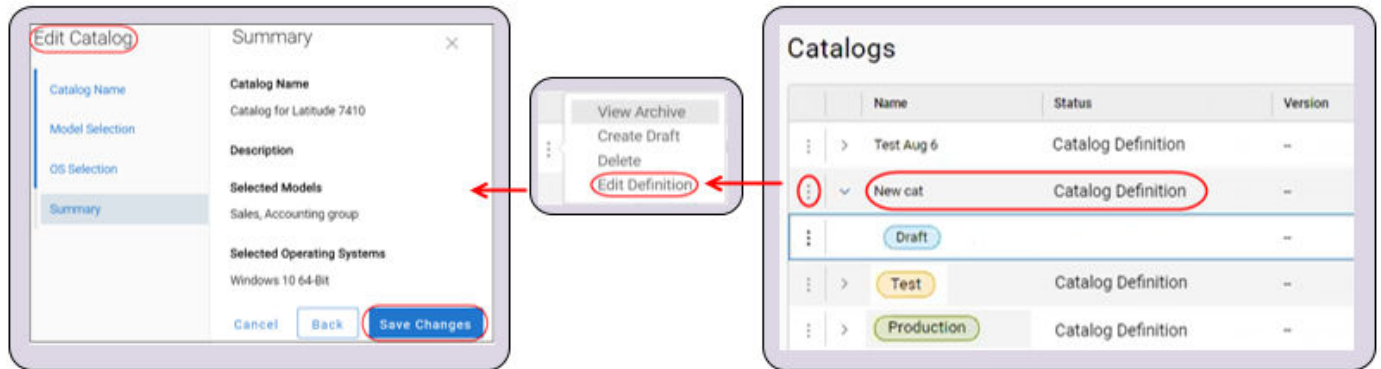


## Edit a Production version

If you select **> Edit Production**, the current Production is archived. A duplicate Production version is added, and the Version column is incremented.

## Edit a catalog definition

For an existing catalog definition, you can modify the name and description or add models or operating systems.



To edit the catalog definition content:

1. Click the vertical ellipsis (⋮) next to a catalog definition name.



2. Click **Edit definition**.

The Summary page opens allowing you to view the content. Edit definition uses the same wizard as Create Catalog. Select an option on the left. You can change the following:

- Catalog name or description
- Add a model - You must have at least one model name selected or the Save Changes button is greyed out.
- Add an operating system

**NOTE:** When editing a catalog definition, previously selected models and operating systems are greyed out. You cannot delete them. If you do not need them in a catalog, create a new one without them.

Edit Catalog

Catalog Name
Model Selection
OS Selection
Summary

Catalog Name
Catalog for Latitude 7410
Description
Selected Models
Sales, Accounting group
Selected Operating Systems
Windows 10 64-Bit

Cancel
Back
Save Changes

- When complete, click **Save Changes**.  
The catalog definition is updated.
- On the Manage Catalogs page, if you also want the Draft to contain these changes, you must select **Create Draft** next to the catalog definition.

## Sample workflows for Draft, Test, and Production states

Each catalog definition can have only one Draft, Test, and Production state at a time. Draft and Test will be overwritten. Production is moved to the archive.

### Basic workflow





For a basic update catalog, edit the Draft state to include specific components for the update. Change to Test state and test. Then change to Production state and download.

The diagram illustrates the basic workflow for catalog states. It shows three main components: 'Edit Draft - Enable Components', 'Catalogs' table, and three state transition menus.

- Edit Draft - Enable Components:** This panel shows filters for 'Update Type' (Drivers, Firmwares, BIOS, Applications, Utilities) and 'Criticality' (Recommended, Optional, Critical). It also lists 'Update Name' with checkboxes for various components like 'Driver -1 xyz', 'Driver -2 abc', etc.
- Catalogs Table:** This table lists catalog definitions with columns for Name, Status, and Version. The rows shown are:
  - Test Aug 6 (Catalog Definition, --)
  - New cat (Catalog Definition, --)
  - Draft (Catalog Definition, --)
  - Test (Catalog Definition, --)
  - Production (Catalog Definition, --)
- State Transitions:** Three menus are shown, each corresponding to a row in the 'Catalogs' table:
  - Menu 1 (for 'Test Aug 6'):** Contains 'Delete', 'Change to Test', and 'Edit Draft'.
  - Menu 2 (for 'New cat'):** Contains 'Delete', 'Change to Test', and 'Edit Draft'.
  - Menu 3 (for 'Draft'):** Contains 'Download', 'Create Draft', 'Change to Production', and 'Edit Test'.
- Workflow Steps:** Red arrows indicate the sequence of actions:
  - Click 'Edit Draft' in the 'Test Aug 6' menu.
  - Click 'Change to Test' in the 'New cat' menu.
  - Click 'Change to Production' in the 'Draft' menu.
  - Click 'Download' in the 'Draft' menu.
  - Click 'Download' in the 'Production' menu.




Create and Manage a Catalog

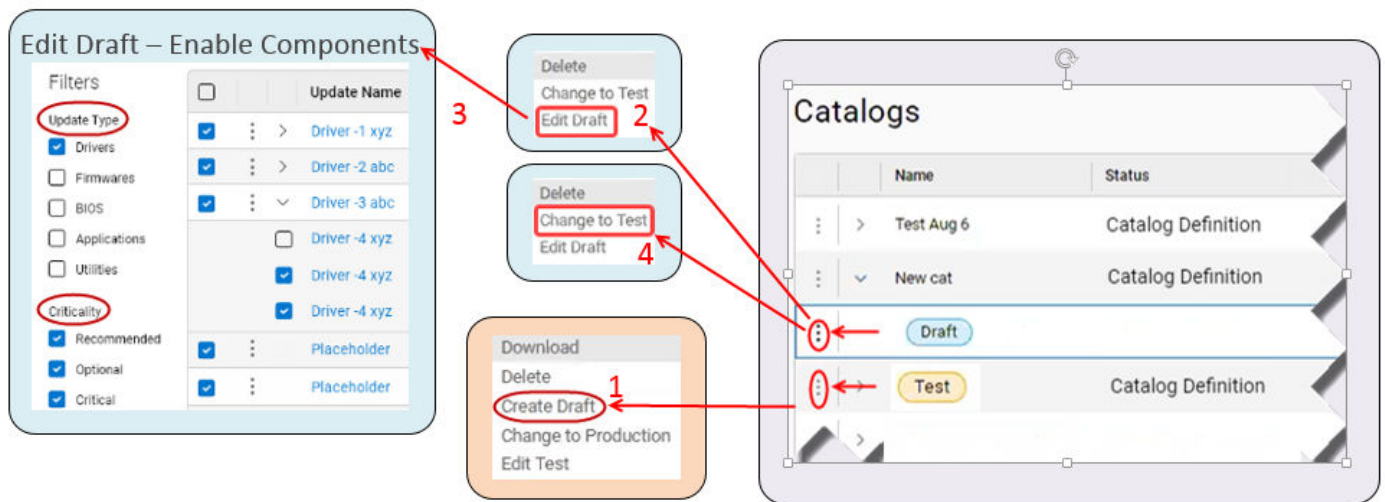
21

1. Select a **catalog definition > Draft**.
2. From , select **Edit Draft**.
3. Select components to include or exclude for that catalog. See [Enable Components for a Custom Catalog](#).
4. From Draft > , select **Change to Test**.
5. From Test > , select **Create Download**.
6. When testing is complete, select **Change to Production**.  
The Version column displays a version for this Production.
7. From Production > , select **Create Download**.

## Workflow when you must modify the Test state

If you find an issue in the Test state, you can:

1. Select **Create Draft** to overwrite the original Draft.
  -  **NOTE:** Version 1.9 stores model and operating system data in the catalog definition. The Test state must have been created in version 1.9 or higher to select *Create Draft*. If the Test state was created before this version, create a new draft from the catalog definition and then change to Test.
2. Edit the components in the Draft state to include or exclude drivers, BIOS, or firmware, based on issues you find in your testing.
  -  **NOTE:** When you create a new Draft of an existing Test catalog, rows are grayed out for any software components or drivers that are now invalid or deleted. Hover text provides an error message that the component is invalid.
3. Simultaneously continue testing with the Test version.
4. When the new Draft has all the required changes, delete the original Test and select **Draft >  > Change to Test**.



Continue to test with the new Test version. When testing is complete, change Test to Production.

## Workflow when a Production version requires a change

Your current Production version of the catalog may need updates at some point. For example, one of your workgroups may have upgraded to a new model. You could create a new catalog, but you could also edit the current Catalog Definition.



1. From the Catalog Definition > ⋮, click **Edit Definition**. The Summary page of the wizard opens.
2. Click **Model Selection**, and select the new model.
3. Click **Save Changes**.

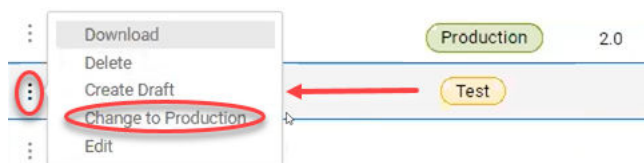
Be aware of a difference.

- When you create a new catalog, the Draft instance is automatically added.
- When you modify an existing catalog definition, no Draft is added. You must create a Draft to propagate those changes.

4. From the catalog definition > ⋮, click **Create Draft**.

**NOTE:** When you create a new Draft of an existing Production catalog, rows are grayed out for any software components or drivers that are now invalid or deleted. Hover text provides an error message that the component is invalid.

5. From Draft > ⋮, select **Edit Draft**.
6. Select components to include or exclude for that catalog. See [Enable Components for a Custom Catalog](#).
7. From Draft > ⋮, select **Change to Test**.
8. From Test > ⋮, select **Create Download** and perform testing.
9. When testing is complete, select **Test > ⋮**.
10. Click **Change to Production**.



Since you can have only one version of Production, a dialog opens.



11. Click **Yes**.

The Production version increments.



⋮	Engr	Catalog Definition
⋮	Production	3.0

The previous version is archived.

12. To view the archive, go to the catalog definition name > ⋮.
13. Click **View Archive**. See [View Archive](#).

⬅ Engr Archive

	Catalog Name	Version	Last Modified
⋮	Engr	2.0	Jul 24, 2020, 9:04:22 AM 2.0

⌵

Cases per page 10 ▾

1 - 10 of 1 Catalogs

14. From Production > ⋮, select **Create Download**. See [Download the Production catalog](#).

## View Archive

The archive maintains previous versions of Production catalogs for up to two years. All users with access can view archived versions of the catalog.

Overview	Manage Models	<u>Manage Catalogs</u>	Support	Help
----------	---------------	------------------------	---------	------

### ⬅ Catalog for Latitude 7410 - 72 Archive

	Catalog Name	Status	Version	Last Modified
⋮	Catalog for Latitude 7410 - 72	Ready for download	4.0	Oct 23, 2020, 9:00:48 AM
⋮	Catalog for Latitude 7410 - 72	Ready for download	3.0	Oct 22, 2020, 9:31:23 PM
⋮	Catalog for Latitude 7410 - 72	Ready for download	2.0	Oct 22, 2020, 9:28:07 PM
⋮	Catalog for Latitude 7410 - 72	Download Error	1.1	Oct 22, 2020, 8:35:04 PM
⋮	Catalogs per page 10 1 - 4 of 4 Catalogs			

The Available actions icon (⋮) includes the following:


- **Download** - allows you to download a Production version.
- **View** - allows you to view previous Production versions of the catalog.


Column headings include:


- Catalog Name
- Status:
  - Ready for download
  - Download Error
- Version (sortable)
  - In Test, each time you select **Change to Production**, the version increments, such as 1.0 to 2.0.
  - In Production, if you select **Edit Production**, a dot version increments, such as 1.0 to 1.1.



- Last Modified (sortable) - Lists the date and timestamp

 **NOTE:** If you go to another page, the sortable columns retain the sort order.

From the bottom left , you can select which columns to display.

 **NOTE:**


This icon also lists a *Type* column. For v1.11, since you create all catalogs manually, the *Type* column lists *Manual* for all catalogs. Future development will have additional types. Therefore, by default, this column is optional to display.

You cannot delete an archived catalog. They are deleted after two years.

# Enable Components for a Custom Catalog

When you select a catalog, a page displays all drivers, BIOS, firmware, and applications that were available at the moment of that catalog creation. You can choose to have the catalog update all components or select specific components to include in the current update.

By default, all check boxes are cleared.

 **NOTE:** If you modify this page and navigate away without saving the changes, a dialog prompts that changes will be discarded.

## View models and operating systems

The catalog components page lists the models and operating systems for that catalog definition or state.

If the list of models or operating systems has an ellipsis at the end, select **Show More** to view the entire list.




## Use filters to include or exclude catalog components

You can use filters and check boxes to enable specific drivers, BIOS, firmware, and applications for updates. The components that display are based on what was available at the time the catalog was created.

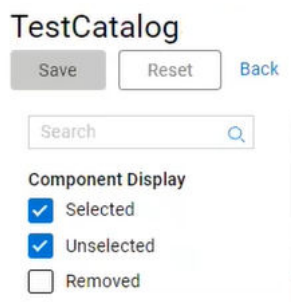
On the Catalog Management page, select the Available actions (  ) icon for one of these states:

- Draft > Edit Draft
- Test > Edit Test
- Production > Edit Production

 **NOTE:** You cannot edit the current Production version. If you click Edit Production, Cloud Repository Manager archives the current version (v1.0) and creates an incremented version (v1.1).

## Filter check boxes to display

You can filter so that only specific check boxes display: **Selected**, **Unselected**, and **Removed**. By default, Selected and Removed are checked. You can select one check box or all three.



If you select *Removed*, those component rows display as grayed out. Removed components are not part of the download.xml file.

### TestCatalog

Save

Reset

Back

Search

Component Display

☒ Selected

☒ Unselected

☒ Removed

Update Type

☐ Application

<input type="checkbox"/>	Name	Type	Release ID
<input checked="" type="checkbox"/>	AMD Radeon HD8490 Graphics Driver	Driver	Y8W59
<input checked="" type="checkbox"/>	AMD Radeon R Series Graphics Driver	Driver	8CF8G
<input checked="" type="checkbox"/>	AMD Radeon R Series Graphics Driver	Driver	Y234T
<input type="checkbox"/>	AMD Radeon R Series Graphics Driver	Driver	W41X6

If you modify a check box and the change is out of sync, the following appear next to Component Display:

- Yellow triangle icon with hover text indicating the display is out of sync.
- Refresh button - click to refresh the display.

For example, if you clear *Selected* but selected check boxes still display, click the refresh button.

### TestCatalog5 6.30

Save

Reset

Back

Search

Component Display

☐ Selected

☒ Unselected

☒ Removed

Update Type

☐ Application

<input type="checkbox"/>	Name
<input type="checkbox"/>	Dell Client Configuration Toolkit Application
<input type="checkbox"/>	Dell Client Configuration Toolkit Application
<input checked="" type="checkbox"/>	Dell Client System Update Application

**NOTE:** To discard any changes, click **Back**.

## Filter by update types

1. On the left, expand the Update Type list.
2. Select one or more check boxes.

Those items display in the table.

## 1 catalog

**Save** Reset Back

Search

### Update Type

- ☐ Application
- ☐ BIOS
- ☐ Driver
- ☐ Firmware
- ☐ Utility

### Criticality

- ☐ Optional
- ☐ Recommended
- ☐ Security
- ☐ Urgent

<input type="checkbox"/>	Name	Type	Release ID	Version	Criticality	Release Date	Size
<input checked="" type="checkbox"/>	Dell Command Update	Application	X79N4	2.3.1	Recommended	Nov 4, 2020	100.45 MB
<input checked="" type="checkbox"/>	Dell Command Update Application	Application	68GJ6	3.1.2	Recommended	Nov 4, 2020	21.48 MB
<input checked="" type="checkbox"/>	Dell Command Update Application for Windows 10	Application	34T96	3.1.2	Recommended	Nov 4, 2020	23.26 MB
<input checked="" type="checkbox"/>	Dell Command Update Application for Windows 10	Application	Y2PJJ	3.1.1	Security	Nov 4, 2020	23.22 MB

3. Next to Name, click the main toggle to select all check boxes or click individual check boxes next to specific options. For example, you can disable an old driver and enable a newer driver.

**NOTE:** If a dialog states *Bad Request*, select **Reset** and select or clear individual components.

4. When complete, click **Save** in the upper left.

A spinner displays while the system is saving.

**NOTE:** If you do not select any components, a dialog prompts, *You have not selected any software components. Do you wish to continue saving?*

5. At the Save confirmation dialog, click **OK**.

When you deploy this version of the catalog, the Update tool updates only the options that you selected in the Name column.

## Filter by criticality

On the left, select one or more Criticality options. In the Criticality column, the labels are color-coded.

You can filter the list to group the options. If you want to update Critical items only, select that check box alone.

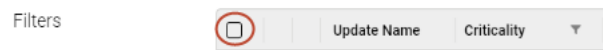
Criticality options	Description
<b>Security</b> (pink)	Updates that enhance or provide security.
<b>Critical</b> (pink)	Updates that are important for improving the reliability, security, and availability of the system.
<b>Recommended</b> (yellow)	Updates that are recommended for installation on the system.
<b>Optional</b> (blue)	Updates that are optional.

# Sample scenarios for filtering and enabling catalog components

These scenarios provide examples for filtering and enabling catalog components.

## Scenario for enabling all listed components

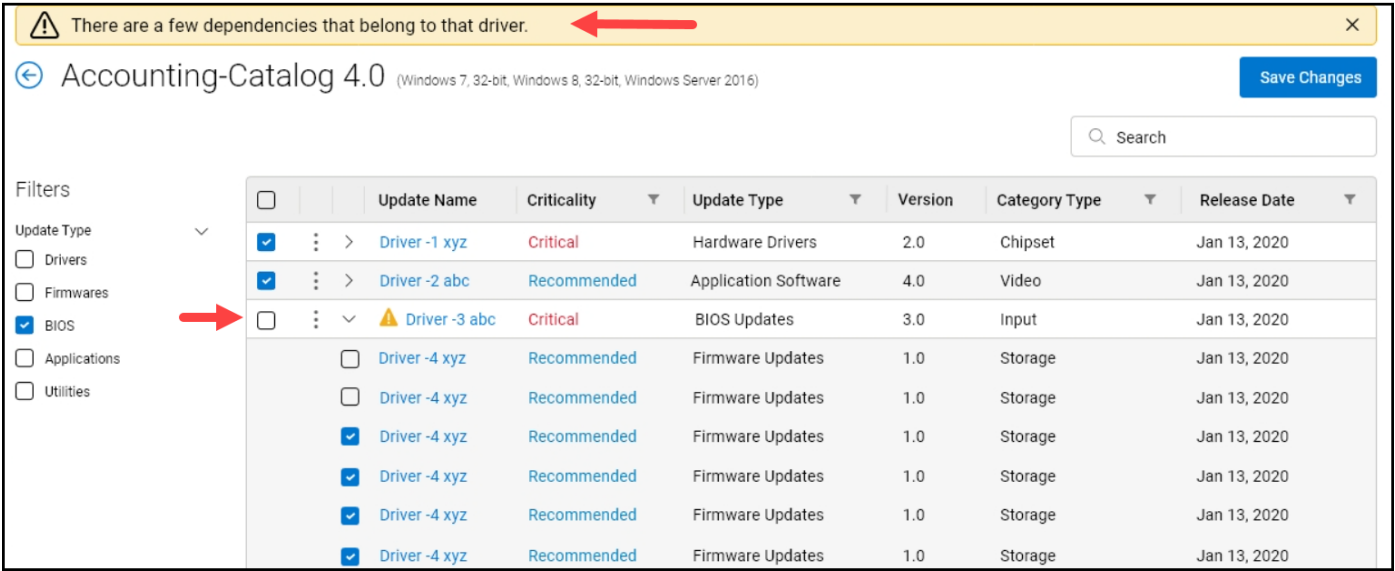
To select all updates, select the main toggle at the top.



## Scenario for clearing some component check boxes

Clear check boxes for components to exclude from your custom update catalog.

If you clear a driver that has dependencies, a warning icon ⚠ displays and a dialog.



## Scenario for enabling Urgent updates only

As an example, to enable Urgent updates only:

1. In the table heading next to Name, clear the check box.  
All check boxes are cleared.

2. Under *Filters* > *Criticality*, select **Urgent**.

3. In the table heading next to Name, select the check box to update all drivers that are Urgent.

**NOTE:** When finished, if you clear the Urgent checkbox, all the other drivers and options display but only the Urgent ones are enabled.

← Lati series 3000 Catalog Cancel Save Changes

Update Type

☐ Application

☐ BIOS

☐ Driver

☐ Firmware

☐ Utility

**Criticality**

☐ Optional

☐ Recommended

☒ Urgent

Name	Type	Release ID	Version	Criticality	Release Date	Size
<input checked="" type="checkbox"/> Dell Latitude 3400 and 3500 System BIOS	BIOS	4K2FK	1.2.1	Urgent	Sep 23, 2020	8.14 MB
<input checked="" type="checkbox"/> Dell Latitude 3400 and 3500 System BIOS	BIOS	C4FGW	1.7.1	Urgent	Sep 23, 2020	15.58 MB
<input checked="" type="checkbox"/> Dell Latitude 3400 and 3500 System BIOS	BIOS	63G39	1.3.1	Urgent	Sep 23, 2020	8.19 MB
<input checked="" type="checkbox"/> Dell Latitude 3400 and 3500 System BIOS	BIOS	Y59GW	1.4.2	Urgent	Sep 23, 2020	14.11 MB
<input checked="" type="checkbox"/> Dell Latitude 3400 and 3500 System BIOS	BIOS	D01V1	1.6.0	Urgent	Sep 23, 2020	15.57 MB
<input checked="" type="checkbox"/> Qualcomm QCA61x4A/QCA9377 WiFi and Bluetooth Driver	Driver	4747J	12.0.0.916	Urgent	Sep 23, 2020	103.16 MB
<input checked="" type="checkbox"/> Intel AX200/AX201/9260/9560/9462 WiFi UWD Driver	Driver	C2CN8	21.50.1.1	Urgent	Sep 23, 2020	57.73 MB

24 Components

## Scenario for enabling Video Card updates only

- In the table heading next to Name, clear the check box.  
All check boxes are cleared.
  - Under *Filters > Device Categories*, select **Video Cards**.
  - If you want only Video Cards with Urgent updates, select **Criticality > Urgent**.
  - In the table heading next to Name, select the check box to update all Video Cards based on your filtering.
- NOTE:** When finished, if you clear the Video Card and Urgent check boxes, all the drivers and options display but only the Video Card and Urgent ones are enabled.

## Sort catalog component columns

You can customize the columns for the components.

- From the bottom left, select which columns to display.
- Optionally, sort these columns:
  - Name
  - Type
  - Release ID
  - Criticality
  - Release Date

**NOTE:** The sortable columns retain the sort order if you navigate to another page.

# Download a Catalog


You can download a catalog from a Test or Production version or from a Production version that has been archived.

## Download a Production catalog

After testing is complete, download a Production version of the catalog to the location where updates can be locally installed.






These steps describe downloading a Production catalog. The steps for downloading a Test or archived catalog are similar.

To download a Production catalog:

1. Select  for a Production catalog and click **Create Download**.



2. Wait as the Status column transitions from *Creating Download* to *Download ready*, which may take some time based on the size of the catalog.

<input type="checkbox"/>		Name	Status	Version
<input type="checkbox"/>		Accounting-Catalog		--
		<span>Draft</span>		--
		<span>Testing</span>	<span>Creating Download...</span>	--
		<span>Production Ready</span>	<span>Create Download</span>	1.0
<input type="checkbox"/>		Developer-Catalog		
<input checked="" type="checkbox"/>	1			

3. From , select **Create Download**.

A Download Catalog dialog displays. The dialog also displays a checksum value that you can use to verify the catalog after the download completes.

4. At the bottom right, click **Download Catalog**.

A .zip file is assigned a GUID value, and a Status Bar indicates the download progress.



Cloud Repository Manager downloads a local copy of the .zip file.

**NOTE:** This action does not download the updates. The file is only a reference to the Dell Update Packages (DUPS) that you enabled for this catalog, so the size is manageable.

5. Optionally, use the SHA to [verify the downloaded .zip](#).
6. [Extract the .zip file](#).

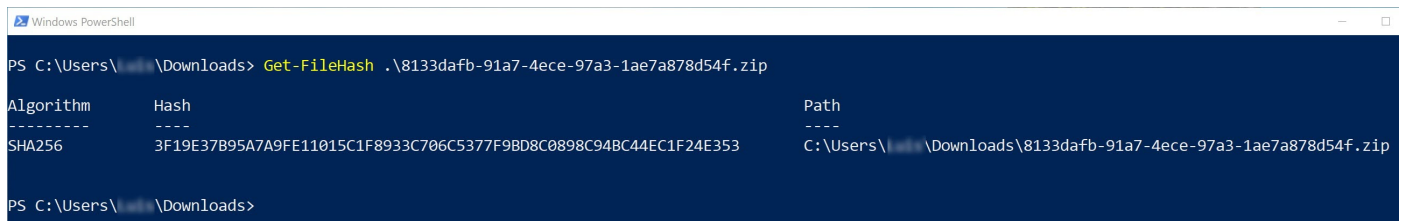
## Use the SHA256 hash to verify the catalog

Optionally, when the download is complete, use the SHA checksum value in the Download Catalog dialog to verify the catalog.

1. Open Windows PowerShell.
2. Navigate to the folder containing the .zip file downloaded from Cloud Repository Manager.
3. To check the SHA256 hash of the file, type the following command, replacing <.zip> with the name of your .zip file, and press **<Enter>**:  
`Get-FileHash <.zip>`
4. Confirm the result against the hash provided at the bottom of the *Download Catalog* dialog when you clicked *Download*.  
If the output matches, then the file is authentic and not corrupted.

For example, in the image below, the value

3F19E37B95A7A9FE11015C1F8933C706C5377F9BD8C0898C94BC44EC1F24E353 is the checksum result after running the `Get-FileHash` command.



```
PS C:\Users\...\Downloads> Get-FileHash .\8133dafb-91a7-4ece-97a3-1ae7a878d54f.zip
```


Algorithm	Hash	Path
SHA256	3F19E37B95A7A9FE11015C1F8933C706C5377F9BD8C0898C94BC44EC1F24E353	C:\Users\...\Downloads\8133dafb-91a7-4ece-97a3-1ae7a878d54f.zip


```
PS C:\Users\...\Downloads>
```

It matches the value provided at the bottom of the *Download Catalog* dialog when you clicked *Download*.


## Extract the .zip file to download and cache the DUPs


1. Extract the .zip file to the location where it will be installed locally.  
The .zip file contains the following:
  - **<catalog-name>.xml** – reference of the Dell Update Packages (DUPs) that you enabled for this update.
  - **Dell.Command.Repository.Maker.exe** – an .exe file that reads the <catalog name>.xml file, then downloads and caches the DUPs.
    - It then downloads and caches the DUPs to the location of the folder with this .exe file and creates the directory structure.
    - Optionally, to change the target folder to download and cache the DUPs, you must create a folder before you run the .exe. See [Use the command line](#).

 **NOTE:** Dell.Command.Repository.Maker.exe is only required if you want to download and host the source files locally and change the repository location.

 **NOTE:** If you perform regular updates of the same catalog, Cloud Repository Manager checks in the target download directory for existing component installers and ignores the download if they already exist. Optionally, you can use the command line switch to force a download.

- README.txt file
2. In Command Prompt, use the following options with **Dell.Command.Repository.Maker.exe** to create a custom repository folder:
  - **-c** command to specify the .xml file.

 **NOTE:** If no catalog file is specified, <catalog name>.xml is searched in the current folder.
  - **-t** parameter to specify a target folder for the downloads. You must create a folder before you run the .exe.

 **NOTE:** If this option is not provided, the location of the Dell.Command.Repository.Maker.exe is chosen by default.

It then reads the <catalog-name>.xml file and downloads and caches the DUPs from downloads.dell.com to the location that you set on the command line.



# Use the command line

## Command-line reference

This table lists the arguments to use with **Dell.Command.Repository.Maker.exe**.

Argument	Description
<b>-? -h --help</b>	Show help information.
<b>-c --catalog &lt;file&gt;</b>	Defines the catalog file that you want to use. Example: -c "catalog.xml"
<b>-t --target &lt;path&gt;</b>	Defines the target path for the downloads. Example: -t "C:\myDirectory\"
<b>-b --baseLocation &lt;path&gt;</b>	Defines the new baseLocation in the catalog file. Example: -b "\\foo\stuff\catalogs"
<b>-f</b>	Use to specify a force-download if software component installers already exist and the download was ignored.

## Modify the base location and the target

If you open the <catalog name>.xml file in WordPad, the default baseLocation is *downloads.dell.com*.

To modify the defaults:


1. If you plan to change the target path, you must create a folder before you run the .exe.
  - a. In the location where you extracted the .zip file, add a target folder and create a name.
2. In Command Prompt, run **Dell.Command.Repository.Maker.exe**, using the **-c** command to specify the .xml file and the **-t** command to specify the directory.
3. Use the **-b** command switch to define the new baseLocation in the <catalog name>.xml file.

A new <catalog name>.xml file is created with the modified baseLocation entry. The previous file is renamed <catalog name>.xml.orig.
4. Run **Dell.Command.Repository.Maker.exe -c catalog.xml** with the new catalog.xml name.

The content from downloads.dell.com populates the folder that you created.

## Use the Dell Command | Update tool

When complete, update the source location within the Dell Command | Update tool to specify the location of the downloaded DUPs to deploy updates to local devices. For more information, see the [Dell Command | Update User's Guide](#).

 **NOTE:** The Dell Command | Update tool reads the files in the catalog and implements the updates.