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# OS-Repository

## Overview

Os repository

Os name ↑	Vendor ty... ↑	Device type	Status	File name	Errors
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cisco IOS ADVANCED ...	Cisco_IOS	C6504	production	s2t54-advipservicesk9-mz.SPA.155-1.SY...	OK
Test OS Image	Cisco_IOS	C2511	planned		Error
4.3.2	Cisco_XR	ASR9010	production	mbiasr9k-rsp3.vm	Error
5501P06	HP_C5	HP5500	production	A5500HI-CMW520-R5501P06.bin	Error
R1810P16	HP_C5	HP5800	production	A5800_5820X-CMW520-R1810P16.bin	Error
2422P01	HP_C7	HP5920	production	5900_5920-CMW710-R2422P01.ipe	Error
R1311P02	HP_C7	HP5510	production	5510HI-CMW710-R1311P02.ipe	Error

Create

Duplicate

Edit

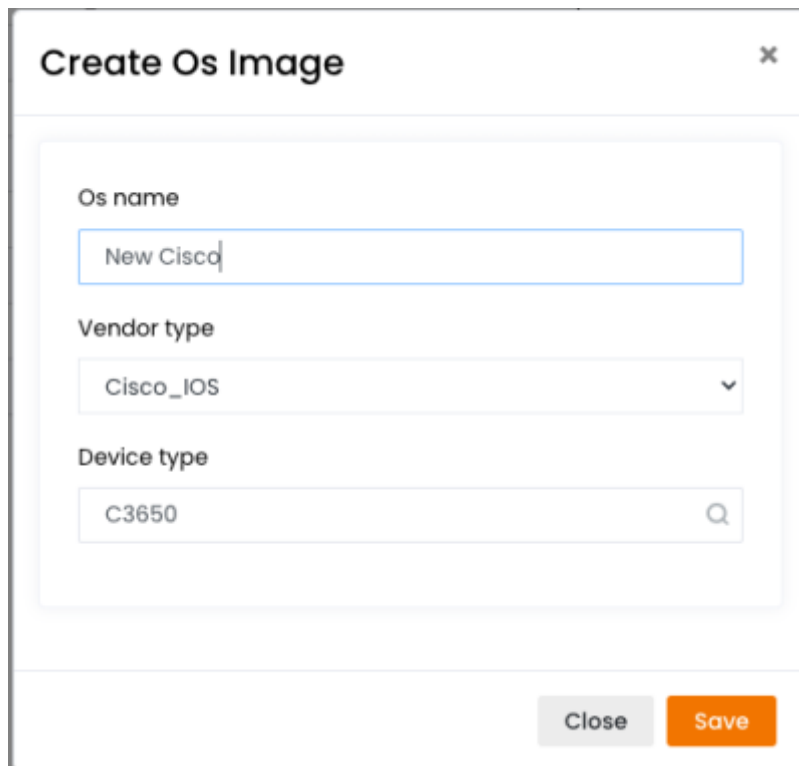
Delete

The os repo form allows you to manage the OS images that are used for OS upgrades. The os files are stored in the /var/opt/yce/public/os files, categorized by vendor type, which can then be used in [OS upgrade scenario commands](#).

Within a vendor type, os files are categorized by device type. Nodes with the same device type all use the same files for their os upgrades, which prevents you from uploading modeling the same files for every single node.

Some vendor types and device types require multiple files. Because of this, each OS image has one or more OS files. An os file is simply a reference to a file that is found on the OS repo, so if you have multiple OS images that use the same file, you don't have to upload it twice.

## Adding an OS image



**Create Os Image** ×

Os name

Vendor type

Device type  
 Q

Close Save

To add an OS image click the create-button, a form will show up that will allow you to create a new OS image. The vendor type and device type need to be filled in. The save button creates the image.

Note that a device type is mandatory, and by default you need to pick between a number of pre-defined device types. If you want to be able to enter new device types, you can turn on the tweak `Allow_custom_device_types` (set its Num value to 1).

## Editing an OS image

Os Image 5501P06

Os name

5501P06

Status

production

Vendor type

HP\_C5

Device type

HP5500

Os-image	Status	File Type	Size
A5500Hi-CMW520-R5501P06.bin	unknown	os-image	21346304

CreateEditDelete

Show OS Image Details

Notes

Close

Save

To edit an OS image click the edit-button, or double click on its record in the OS images grid. A form will show up that will allow you to modify its values. The save button saves the changes. An OS image has the following properties:

Name	Description
Os name	version / name of the OS image
Status	The status of the os image. Only one os image can be production for a Vendor type / Device type combo. If you try to set another OS image with those types to production, the older will be set to a historic status automatically
Vendor type	The vendor type of the os image
Device type	The device type of the os image. Custom device types are available, depending on whether the Allow_custom_device_types is set to 1
Node type	The node type for this os image. Optional.
Domain	The applicable domain. Optional
Os feature	any OS features
Os size	the image's size in bytes
Minimum storage	minimal amount of free space on the node in bytes
OS files	A list of files belonging to this image
OS path	target path for on the device

Name	Description
Pre-activation commands	in case you would like to execute commands on the node before the activation of the image
Post-activation commands	in case you would like to execute commands on the node after the activation of the image
Notes	any notes you'd like to add

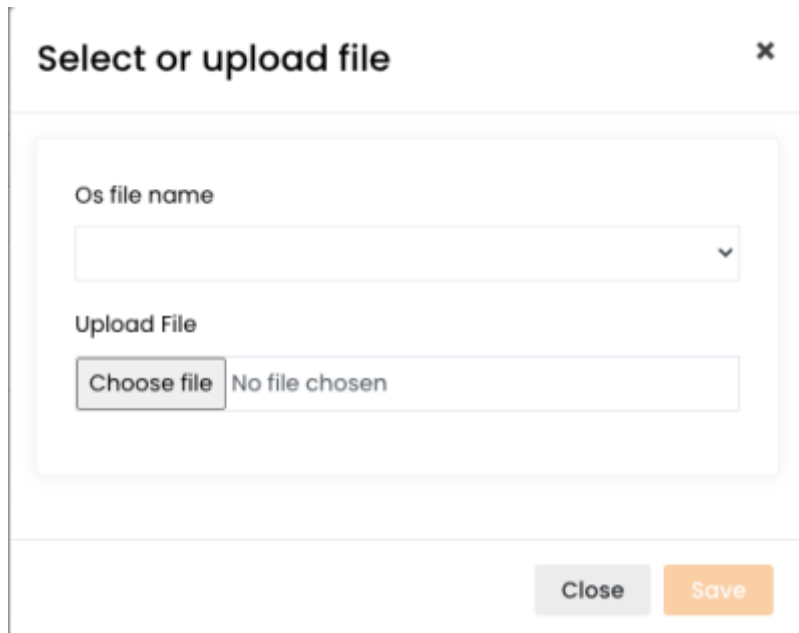
## Duplicating an OS image

When you want to duplicate an OS image, simply click on the Duplicate button. A new os image with the same attributes and OS files will be created. Note that the OS files will not be copied, only the references to them.

## Deleting an OS image

To delete a OS image, select the image and click the delete image button to get a prompt. Confirm, and the OS image is deleted.

## Creating an OS file



The screenshot shows a modal dialog titled "Select or upload file" with a close button (X) in the top right corner. The dialog contains two main sections. The first section, "Os file name", features a dropdown menu. The second section, "Upload File", includes a "Choose file" button and a text area displaying "No file chosen". At the bottom right of the dialog, there are two buttons: "Close" and "Save".

To create an os file, in the OS image form, you should click on the "Create" button. A form will appear that will allow you to either upload a file, or select a file that has already been uploaded for that vendor type. Any of the two will suffice, and if you pick both then the uploaded file will override the selected file in the dropdown.

## Editing an OS file

Os file A5500HI-CMW520-R5501P06.bin

Os file name

A5500HI-CMW520-R5501P06.bin

Status

unknown

File type

os-image

MD5 Hash

Checksum

File date

2022-03-02

Size

21346304

Storage

21346304

Close

Save

To edit an OS file click the edit-button, or double click on its record in the OS files grid. A form will show up that will allow you to modify its values. The save button saves the changes.

Name	Description
Os file name	The filename of the OS file
Status	The status of the OS file. This is set automatically. If the status is active, then everything is alright. A status of inactive means that the file is not linked to an os image. You should not see this status in the OS file form. If the status is missing, it means that the file cannot be found in the OS repo, and some outside force must have deleted it.
MD5 Hash	An automatically calculated MD5 hash of the image.
Checksum	A user submitted checksum for the file
Size	The size of the file in bytes
Storage	The minimum bytes of storage required for this OS file
File date	The date the file was uploaded

## Deleting an OS file

When yo want to delete an OS file you should click on the Delete button. A popup will appear to prompt whether you want to fully delete the file. If you click on the button to keep the file, then that file can still be selected by another OS file.

Note that this popup only appears when there are no other os images that use that file. In that case, only the link will be deleted, and there will be no change to the other os image that uses that file.

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