



Knowledgebase > mCloud > How to upload a cloud image to mCloud

How to upload a cloud image to mCloud

Vincent (Vinnie) Curle - 2025-01-17 - mCloud

Micron21 provides a range of popular Cloud images that can be used from your mCloud dashboard.

However, if there is an alternative Cloud Image you'd like to make available for new instances, this article details how you can upload a new Cloud Image to your mCloud Dashboard for use with new VM Images.

Prerequisites

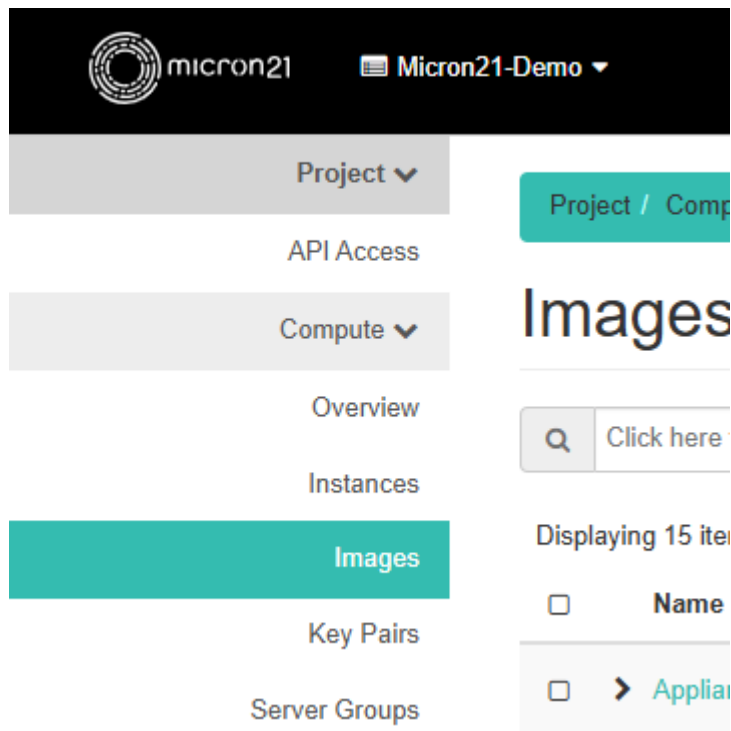
- You'll need to have a copy of the new Cloud Image available on your PC as it will need to be uploaded to the mCloud Dashboard.
- To ensure your image is in the correct format and that the image is compatible with mCloud, please review our tips for selecting a new Cloud Image:

<https://support.micron21.com/kb/articles/356-tips-for-selecting-new-cloud-images>

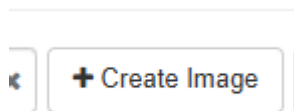
Method:

In this example, we'll use Alpine Linux as our new Image, using x86_64, UEFI, cloudinit, VM, and Generic image.

1. Log in to mCloud and navigate to Compute > Images



- 1.
2. Click "+ Create Image"



- 1.
3. Enter a name, format that matches the image you downloaded and any minimum requirements you wish to set. Select the image and click next.

The screenshot shows the 'Create Image' form in the cloud management console. The form is titled 'Create Image' and has a close button (X) in the top right corner. There is a help icon (?) in the top right corner. The form is divided into several sections:

- Image Details:** This section contains two input fields: 'Image Name' (with the value 'Alpine-Linux-3.20') and 'Image Description' (with the value 'Updated 12/2024').
- Image Source:** This section contains a 'File*' input field with a 'Choose File' button and the text 'generic_alpine-3.20.3-x86_64-uefi-cloudinit-r0.qcow2'.
- Format*:** This section contains a dropdown menu with the value 'QCOW2 - QEMU Emulator'.
- Image Requirements:** This section contains several input fields: 'Kernel' (with the value 'Choose an image'), 'Ramdisk' (with the value 'Choose an image'), 'Architecture' (empty), 'Minimum Disk (GB)' (with the value '0'), and 'Minimum RAM (MB)' (with the value '1024').
- Image Sharing:** This section contains two input fields: 'Visibility' (with the value 'Private') and 'Protected' (with the value 'No').

At the bottom of the form, there are three buttons: 'Cancel', '< Back', and 'Next >', and a teal button with a white checkmark and the text 'Create Image'.

- 1.

2. Visibility & Protection:

Private visibility: Limits the image to only you seeing the cloud image.

Shared visibility: Makes the image available to all members of your project.

Protected: Prevents deletion of the image by everyone, and has to be turned off manually before the image can be deleted.

4. In Metadata > Available Metadata scroll down and click on the Down Arrow for "libvirt Driver Options for Images" to show the dropdown options.
5. Click the "+" option for Firmware Type to add it to the 'Existing Metadata field.
6. Then from the drop down select the appropriate firmware type, in this case, we've selected the uefi type.

Create Image

Image Details

Metadata

You can specify resource metadata by moving items from the left column to the right column. In the left column there are metadata definitions from the Glance Metadata Catalog. Use the "Custom" option to add metadata with the key of your choice.

Available Metadata	Filter	Existing Metadata	Filter
image signature verification		hw_firmware_type	uefi
Instance Config Data			
libvirt Driver Options			
libvirt Driver Options for Images			
CD-ROM Bus			
Disk Bus			
Hide hypervisor id			
Kernel Command Line			
Machine Type			
Max Video Ram			

Firmware Type (*hw_firmware_type*)
Specifies whether the image should be booted with a legacy BIOS or with UEFI.

1.

2. **Note:** in most cases, you will not need to add any additional Metadata options. But if required, you can add additional metadata types as explained above as necessary

7. Click "Create Image". This will start the image upload and could take a while, depending on your upload speed and the image size.

8. Once completed, check the new image appears in your image list

1.

Name	Type	Status	Visibility	Protected	Disk Format	Size
Alpine Linux 3.20	Image	Active	Private	No	QCOW2	194.94 MB

Testing the Image:

You can test this image by deploying it, following our "How to Create a VM Instance from Image" guide. Ensure that on step 5 you select the newly uploaded image.