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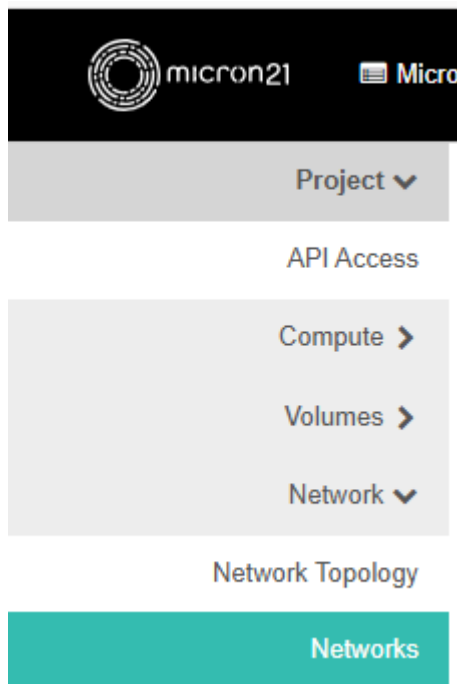
# How to create a new Private network and Router in mCloud

Vincent (Vinnie) Curle - 2025-01-17 - [mCloud](#)

This guide details the steps required to create and configure a new private network in the Cloud Dashboard.

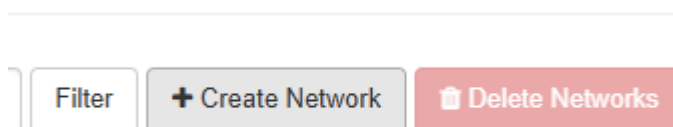
## Method:

1. Log into mCloud at <https://mcloud.micron21.com/>
2. Navigate to Project > Network > Networks



1.

3. Select "+ Create Network" at the top right



1.

4. Enter a name for the network and ensure you have "Enable Admin State" and "Create Subnet" ticked then Click Next

## Create Network



**Network** Subnet Subnet Details

**Network Name**

Enable Admin State ⓘ

Create Subnet

**Availability Zone Hints** ⓘ

**MTU** ⓘ

1.

Create a new network. In addition, a subnet associated with the network can be created in the following steps of this wizard.

- 1.
5. Enter a subnet name, network address and gateway IP for the subnet then click Next

1. Note these details for use later in the guide

## Create Network



Network **Subnet** Subnet Details

**Subnet Name**

**Network Address** ⓘ

**IP Version**

**Gateway IP** ⓘ

Disable Gateway

2.

Creates a subnet associated with the network. You need to enter a valid "Network Address" and "Gateway IP". If you did not enter the "Gateway IP", the first value of a network will be assigned by default. If you do not want gateway please check the "Disable Gateway" checkbox. Advanced configuration is available by clicking on the "Subnet Details" tab.

6. Enter DHCP allocation ranges, DNS servers and any static routes required, then click 'Create'

# Create Network

**Network**   **Subnet**   **Subnet Details**

**Enable DHCP** Specify additional attributes for the subnet.

**Allocation Pools** ⓘ

192.168.44.2,192.168.44.254

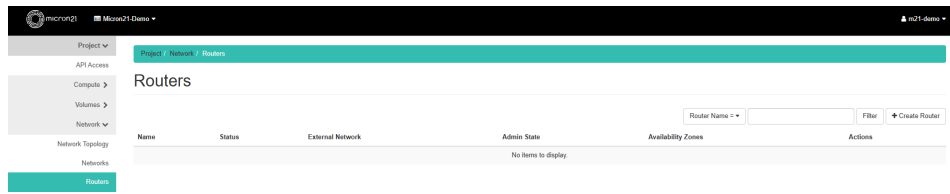
**DNS Name Servers** ⓘ

1.1.1.1  
8.8.8.8

**Host Routes** ⓘ

1. Cancel « Back Create

- Next, we'll need to create a router, start by navigating to Project > Networks > Routers and select "+ Create Router"



- Enter a Router Name and ensure you have "Enable Admin State" Ticked. Select an external network then click "Create Router"

- Note these details for use later in the guide

## Create Router



### Router Name

### Description:

Creates a router with specified parameters.

Enable Admin State

### External Network

### Availability Zone Hints

2.

9. Click on the newly created router to enter its settings

Project / Network / Routers

## Routers

Displaying 1 item

<input type="checkbox"/>	Name	Status	External Network
<input type="checkbox"/>	Demo-Router	Active	public

Displaying 1 item

1.

10. Click on the Interfaces tab and select "+ Add Interface"

Demo-Router Clear Gateway

Overview **Interfaces** Static Routes

+ Add Interface

Name	Fixed IPs	Status	Type	Admin State	Actions
No items to display					

1.

11. Select the internal subnet created in step 8, and enter the Gateway IP address you set in step 5 and click submit

## Add Interface



### Subnet \*

Demo-Internal-Network: 192.168.44.0/24 (De... ▼

### IP Address (optional) ⓘ

192.168.44.1

### Description:

You can connect a specified subnet to the router.

If you don't specify an IP address here, the gateway's IP address of the selected subnet will be used as the IP address of the newly created interface of the router. If the gateway's IP address is in use, you must use a different address which belongs to the selected subnet.

Cancel

Submit

1.

12. You can now assign your instances IP addresses that are on the internal range and they will have internet access