

 $\label{eq:knowledgebase} \mbox{Knowledgebase} > \mbox{mCloud} > \mbox{How to manage Private Networks, Subnets and Static IP} addresses in \mbox{mCloud}$

How to manage Private Networks, Subnets and Static IP addresses in mCloud

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This guide details steps on how to view existing Public and Private networks you have access to, as well as how to manage your Private Subnets and Static IP addresses from the mCloud Dashboard.

View networks that have been configured:

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



- 3. Here you will be able to see any networks you have access to, including public networks you have access to, and private internal networks.
 - From this page, you can create new private networks, for more information on how this can be done please see the guide linked below: <u>https://support.micron21.com/kb/articles/375-how-to-create-a-new-private-net</u> <u>work-in-mcloud</u>

- 4. Editing a private network allows you to rename, and disable/enable the network
 - 1. You can edit private networks
 - 2. You cannot edit public networks

Name	
Demo-Internal-Network	Description:
🔀 Enable Δdmin State 🙆	You may update the editable properties of your network
	nere.

Manage your Private Subnets:

- Click into the Private Network you'd like to manage and navigate to the 'Subnets' Tab
 - 1. From this Tab, you can manage, add and delete subnets associated with this private network

Demo-Internal-Network					Edit Netwo
Overview Subnets Ports					
Subnets			Filter	Q + Create Subnet	Delete S
Displaying 1 item					
Name	Network Address	IP Version	Gateway IP		Actions
Demo-Internal-Subnet	192.168.44.0/24	IPv4	192.168.44.1		Edit Subn
Displaying 1 item					

- 2. By Clicking 'Edit Subnet' you can rename the subnet, and change other IP details, including:
 - 1. Gateway
 - 2. IP Allocation Pool for instances and Network Devices
 - 3. DNS Name Servers
 - 4. Static Route

Edit Subnet

	Subnet * Subnet Details Subnet Name Demo-Internal-Subnet Network Address • 192.168.44.0/24 Gateway IP * • 192.168.44.1 Disable Gateway Disable Gateway	Update a subnet associated with the network. Advanced configuration are available at "Subnet Details" tab.
1.	Edit Subnet	Cancel « Back Next »
	Subnet * Subnet Details C Enable DHCP Allocation Pools 192.168.44.2,192.168.44.254	Specify additional attributes for the subnet.
	DNS Name Servers © 1.1.1.1 8.8.8 Host Routes ©	
2.		Cancel « Back Save

Creating a new Static IP for an Instance:

 Click into the Private Network you'd like to allocate a static IP with and navigate to the 'Ports' tab

Project / Network / Networks / D	emo-Internal-Network					
Demo-Internal-	Network					Edt
Overview Subnets Ports						
Ports				Filter	Q. + Create Port	•0
Displaying 4 items						
Name	Fixed IPs	MAC Address	Attached Device	Status	Admin State	Acti
(21/6c6/6-6/66)	• 192.168.44.71	fa:16:3e:8d:96:5d	compute:Killsyth	Active	UP	E
(31dce01c-5bb1)	• 192.168.44.232	fa:16:3e:a6:56:97	compute:Kilsyth	Active	UP	E
(71571e0b-4d2d)	• 192.168.44.2	fa:16:3e:c7:67:25	network: distributed	Down	UP	E
□ (aae8991b-9c2e)	• 192.168.44.1	fa:16:3e:15:84:df	network:router_interface	Active	UP	E
Displaying 4 items						

2. Click "Create Port"

- 3. Enter the following details as required:
 - 1. Name:
 - 2. Specify the IP address or Subnet
 - 1. Use Fixed IP address for a Static IP
 - 2. Use Subnet to let mCloud set automatically
 - 3. Click Create

Create Port

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iname.	Description:
Static-Example	
🗹 Enable Admin State 🕜	You can create a port for the network. It you specify device ID to be attached, the device specified will be
Device ID O	attached to the port created.
Device Owner 🕜	
Specify IP address or subnet 🛛	
Fixed IP Address	•
Fixed IP Address* 0	
192.168.44.12	
MAC Address 🛛	
✓ Port Security Ø	
VNIC Type 🛛	
Normal	•

4. This newly created port can now be attached to a new or existing VM, providing this IP address to it.