



Launch an Instance

Start Your Journey with,

Meghna Cloud

STEPS

Welcome to Meghna Cloud

Here are some quick steps for you to easily and efficiently launch an instance

1

- Go to the “Meghna Cloud” web-portal and login as a user.
[Link: stage.meghnacloud.com]
- Register first (*for new users*).
- Once you user is in the dashboard, make sure to use the “Navbar” to navigate to different sections.

2

- Go to the “Network Interface” page under “Network and Security” using the navbar.
- Create a new network interface.

3

- Go to the “Routers” page under “Network and Security” using the navbar.
- Create a router.
- Attach the “Network Interface” with the “Router”.

4

- Go to the “Instance” page under “Cloud Compute Service” using the navbar.
- Click on the “Launch an Instance” button to open the instance creation form.
- In the form, fill out all the necessary information and make sure to select the “Network” user has created in step 2 & 3.
- Once everything is okay, click “Launch Instance” to create and launch a new instance.

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Welcome back to
Meghna Cloud

Please sign in to your account to continue

[Learn More](#) Language - Bangla English

[Sign In](#) Registration

Organization ID ⓘ
default

User Name ⓘ

Password ⓘ

Remember Me

Sign In

[Forgot Password?](#)
[Do not have an account? Create Account](#)

- Visit [Meghna Cloud](#)
- Sign in to Access the **Dashboard**

Insert your registered **Organization ID**

Insert your registered **Username**

Insert your valid **Password**

Click **Sign In**

- **New Users:** Switch over to the **Registration** tab and go through the registration process to **Sign In**.

Once user is logged in and inside the dashboard:

- Go to the **Network Interface** page, under 'Network and Security'

Network and Security > Network Interface

Displaying 6 items

<input type="checkbox"/>	Name	Subnets Associated	Shared	External	Status	Admin State	Availability Zones	Actions
<input type="checkbox"/>	Test Network	Test Subnet 02 158.152.20.0/24 Test Subnet 169.185.10.0/24	Yes	No	Active	UP	-	Edit Network
<input type="checkbox"/>	mail-server-network	mail-server-subnet 192.168.0.0/24	Yes	No	Active	UP	-	Edit Network
<input type="checkbox"/>	private	private-subnet 10.0.0.0/26 ipv6-private-subnet fdca:4553:67a1::/64	Yes	No	Active	UP	-	Edit Network
<input type="checkbox"/>	public	ipv6-public-subnet 2001:db8::/64 public-subnet 172.24.4.0/24	Yes	Yes	Active	UP	-	Edit Network
<input type="checkbox"/>	private	private-subnet 10.10.10.0/24	No	No	Active	UP	-	Edit Network
<input type="checkbox"/>	Test Network	Test Subnet 001 169.169.69.0/24	No	No	Active	UP	-	Edit Network

Click Create Network

Note: Clicking 'Create Network' button will pop up a tab that user need fill up with all the necessary information in order to successfully create a new network interface.

Input a
Network Name

The screenshot shows a 'Create Network' dialog box with three tabs: 'Network', 'Subnet', and 'Subnet Details'. The 'Network' tab is active. It contains the following elements:

- Network Name:** A text input field containing 'Test Network'. A red dashed arrow points from the 'Input a Network Name' callout to this field.
- Enable Admin State:** A checked checkbox.
- Shared:** An unchecked checkbox.
- Create Subnet:** A checked checkbox.
- Availability Zone Hints:** A dropdown menu.
- MTU:** A dropdown menu.
- Buttons:** 'Cancel', '« Back', and 'Next »'. A red dashed arrow points from the 'Click Next' callout to the 'Next »' button.

Below the 'Network Name' field, there is a note: 'Create a new network. In addition, a subnet associated with the network can be created in the following steps of this wizard.'

Once 'Create Network' interface pops up:

- User will be able to see 3 individual tabs Network, Subnet and Subnet Details.
- User can navigate between tabs by clicking **Next** or by individually clicking on the tab header itself.

Note: This 'Quick Reference' guide covers only the basics of creating a new network. For detailed instructions on each available option, please refer to our user manual.

Click **Next** (to move to the next tab)

Input a Subnet Name

Keep the Address Source manual

Input a Network Address

Input a Gateway IP based on the 'Network Address'

Note: If not provided, it will automatically assign the first IP of the network as 'Gateway IP'

Create Network

Network Subnet Subnet Details

Subnet Name
Test Subnet 001

Network Address Source
Enter Network Address manually

Network Address ⓘ
169.169.69.0/24

IP Version
IPv4

Gateway IP ⓘ
169.169.69.1

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.

Cancel « Back Next »

Click Next
(to move to the next tab)

Create Network

Network Subnet **Subnet Details**

Enable DHCP

Specify additional attributes for the subnet.

Allocation Pools

DNS Name Servers

1.1.1.1
8.8.8.8

Host Routes

Cancel « Back Create

Input the
DNS Name Servers

At this point, all the necessary fields are covered for creating a new network.

- To confirm every input is valid, user can navigate between tabs using Next/Back button or by clicking on individual tabs.

Note: The newly created network interface can be accessed from the 'Dashboard'.

Click **Create** (to confirm inputs and create a new network)

Once user has created a custom network:

- Go to the **Routers** page, under 'Network and Security'

Projects - (admin) Languages (English) admin

Console Home
API & Services
IAM & Admin
Cloud Compute Service
Image
Block Storage
Cloud Storage Service
Network and Security
Network Interface
IP Address Management
Security Groups
Routers

Network and Security > Routers

Router Name Filter Delete Routers + Create Router

Displaying 2 items

<input type="checkbox"/>	Name	Status	External Network	Admin State	Availability Zones	Actions
<input type="checkbox"/>	Test-Router	Active	-	UP	-	Set Gateway
<input type="checkbox"/>	Test Router for Connection	Active	-	UP	-	Set Gateway

Click Create Router

Note: Clicking 'Create Router' button will pop up a tab that user need fill up with all the necessary information in order to successfully create a new router.

Input a name for
the Router

Create Router

Router Name

Enable Admin State ⓘ

External Network

Enable SNAT

Availability Zone Hints ⓘ

Description:
Creates a router with specified parameters.
Enable SNAT will only have an effect if an external network is set.

Note: The newly created router can be accessed from the 'Dashboard'.

Click **Create**
(to confirm inputs and
create a new router)

To attach custom 'Network Interface' with any 'Router':

- User must click on a router and move to the interface tab to attach interface.

Click the name of
the Router

Displaying 2 items

<input type="checkbox"/>	Name	Status	External Network	Admin State	Availability Zones	Actions
<input type="checkbox"/>	Test-Router	Active	-	UP	-	Set Gateway ▾
<input type="checkbox"/>	Test Router for Connection	Active	-	UP	-	Set Gateway ▾

Click on **Interface**
(to move to the interface tab)

Network and Security > Routers

Overview **Interfaces** Static Routes

[Delete Interfaces](#) [+ Add Interface](#)

Displaying 1 item

<input type="checkbox"/>	Name	Fixed IPs	Status	Type	Admin State	Actions
<input type="checkbox"/>	(00524f54-1427)	• 10.10.10.1	Active	Internal Interface	UP	Delete Interface

Click Add Interface

Clicking 'Add Interface' will pop-up the **Add Interface** tab:

- User must select the network subnet that user wants to attach, using the dropdown.
(In this case user must attach the network interface that user has created [go through slide 4 to 7 for reference])

Select the **Network Subnet** from the dropdown

Add Interface

Subnet *

Test Network: 169.169.69.0/24 (Test Subnet 001) ▼

IP Address (optional) ?

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.

Note: The newly attached network interface can be accessed from the 'Interface' tab.

Click **Submit**
(to confirm and add interface)

Once user has completed attaching interface with the router:

- Go to the **Instance** page, under 'Cloud Compute Service'

The screenshot shows the Meghna Cloud console interface. The left sidebar contains navigation options: Console Home, API & Services, IAM & Admin, and Cloud Compute Service (expanded). Under Cloud Compute Service, the 'Instance' option is selected. The main content area shows the 'Instance' page with a search bar, 'More Actions' dropdown, and 'Delete Instances' link. A 'Launch Instance' button is visible in the top right. Below this, a table displays one instance:

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
test7-1	cirros-0.5.2-x86_64-disk	158.152.20.143	m1.small	-	Active	nova	None	Running	6 days, 16 hours	Create Snapshot

Click Launch an Instance

Note: Clicking 'Launch an Instance' will redirect user to a new page where user is required to input necessary information to launch a new instance.

Upon clicking 'Launch an Instance' user will be redirected to a new page:

- User will have to go through different sections; user can navigate by scrolling and clicking individual input fields/dropdowns.
- User must fill up/select all the fields that are marked with an asterisk (*).

Input Instance Name

Input a suitable Description
(optional)

Input Count
(How many instances will be launched with the same configuration)

Name & Details

Instance Name*

Description

Availability Zone

Count*

Total Instance (10 Max)

1 Current Usage
1 Added
8 Remaining

Select the Availability Zone
(From which location [location of the server] the instance will be launched)

Select the **Boot Source (Type)** from the dropdown

Select **No** if user does not wish to create a volume for the new instance.

Specify the **Volume Size** (if user wish to create a volume for the instance)

Select **Yes** if user wish to delete the associated volume during instance deletion

Select the **Boot Source (File)** from the dropdown
[User can use the search function to easily find the desired file]

Source

Select Boot Source* image ⓘ

image

image
volume
Volume Snapshot

Create New Volume Yes No

Volume Size (GB)

1

Delete volume on instance delete Yes No

Available Images 5

cirros-0.5.2-x86_64-disk			
Last Update	Size	Format	Visibility
12/09/23 06:26 AM	16300544	qcow2	Public

Search: cirros

cirros-0.5.2-x86_64-disk			
Last Update	Size	Format	Visibility
01/01/24 07:37 AM	16300544	qcow2	Public

Flavor

Available Flavor 12

m1.tiny					
VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
1	512 MB	1 GB	1 GB	0 GB	Yes

Search flavor

m1.tiny					
VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
1	512 MB	1 GB	1 GB	0 GB	Yes

m1.small					
VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
1	2048 MB	20 GB	20 GB	0 GB	Yes

Select the **Flavor** from the dropdown (a combination of CPU, Memory and Storage)
[User can use the search function to easily find the desired flavor]

Note: User can see more details about all the available flavors from the 'Instance Type' page. User can access this page from the navbar under 'Cloud Compute Service'.

Networks

Available Networks 5

Test Network

Search Networks

<input type="checkbox"/>	Test Network Subnets Associated Test Subnet 02	Shared Yes	Admin State UP	Status ACTIVE
<input type="checkbox"/>	mail-server-network Subnets Associated mail-server-subnet	Shared Yes	Admin State UP	Status ACTIVE

Select the **Network** for the instance using the dropdown
[User can use the search function to easily find the desired network]

Note: User can select multiple networks for the instance but for a successful launch it is recommended that user selects a pre-configured custom network. For this example we are using the 'Test Network' that we have created at the beginning *[Referring to slide 4 to 7]*.

Security Groups

Available Security Group 2

Test Group

Search security groups

- Test Group**
Security group description
- default**
Security group description

Select the **Security Groups** for the instance using the dropdown
[User can use the search function to easily find the desired security group]

Note: User can select multiple security groups for the instance. For custom security groups user must pre-configure them before launching instance. User can customize security groups from the 'Security Groups' page under 'Network and Security' in the navbar.

- At this point, the user can proceed with the instance launching process, as all the basic requirements have been completed.
- Users can use this summary checklist as a guide to figure out which sections are important for instance creation.
- The "Launch Instance" button will only activate after all the items in the summary list are selected.
- For the remaining sections, users can configure them later after the instance is created. Users can also configure them during the instance creation process for better control.

Summary

✓	Name & Details Test Instance, 1 Instance
✓	Source cirros-0.5.2-x86_64-disk
✓	Flavor m1.tiny
✓	Networks Selected
✓	Security Group Selected

Launch Instance

Cancel

Click **Launch Instance**
(to confirm inputs and launch new instance)

Click **Import Key Pair**
(in order to import any existing key-pair)

Click **Create Key Pair**
(in order to create a new custom key-pairs)

Click **Clear**
(in order to remove any selection)

Select an existing **Key Pair**
using the dropdown
[User can use the search function to easily find the desired security group]

The screenshot shows the AWS Key Pairs console. At the top, there are three buttons: 'Create Key Pair', 'Import Key Pair', and 'Clear'. Below these buttons, it says 'Available Key Pairs 1'. There is a dropdown menu showing 'test-18' with details: Type 'ssh' and Fingerprint '67:45:e5:d3:80:32:a8:d9:86:57:bd:db:5e:e6:b8:9e'. Below the dropdown is a search bar labeled 'Search image'. At the bottom, there is a list of key pairs, also showing 'test-18' with the same details.

Launch an Instance (Optional)
Key Pairs / Create

STEP 04/7.1

Create Key Pair

Key Pair Name
Key Pair 03

Key Type
SSH
X509 Certificate

Create Done

Input Key Pair Name

Select Key Type from the dropdown

Click Create in order to create a key-pair

Create Key Pair

Key Pair Name
Key Pair 03

Key Type
SSH

Private Key
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAw3vdpJJ/Sx9uGDObEOoimSes/4uCUt399LV83bqcfDSy+AJM
OOOrwW2a8nBmTMg5/9bxSUVNLFVCV6zEenYakB9n0gxzh9Imj1xvjvIO5NKUJ80lqq
JIBLzvJ/CQnfdRQvb1tMHE28hLxjEuxeVd2C6rbk55LoQFeo0DpGfb2ql2aZeXNY
nUGDF5IZCRKTiorEKKaM/2FBNnksUMIXIFTU5vXu0np8Gh9qSqWQEIzOy45LPdsF

Create Copy Done

Copy manually or click the Copy button in order to copy the 'Private Key'
(User must copy and paste the private-key somewhere safe else, user will not be able to access the key-pair)

Click Done to close the popup tab

Import Key Pair

Key Pair Name

Key Type

SSH

Load Public key from a file

Public key

```
-----BEGIN RSA PRIVATE KEY-----  
MIIEpQIBAAKCAQEA6ShNFZ6RvMfx1zh7jtQYgyaebtV4Q0n7StSRhEgfOXpSre8v  
90GmJuAt5j8XBect+JL7bu3jsKDHuwS0sovXMw3w0Yhnc46irN019um8g/7YV3CI  
UkXFGnWWCBle0rAfv4pMPwZrKEQTFz7T6yDgacC+flzM0j+qs3hBa+ZFR1nLT8M  
3pVw9gRallBx1MqvUT1m5XXe8f9q3Y+D/6yoSuvgr9629funObsJg2Kr4rdjgZ  
znasRGda7TQgoigLXUD12bOMbBUmmMjkeLujf7x11CReqx7GDRgMrUA2RRVdUmAY  
iS9Aw6So6GK+GdeGDzt+78CWy2ANHDVKeXOERQIDAQABAolBAAzE74XT16T4aVsR  
ZZjyrj3+jzZAPDQpONIGD4soXQdrItweSaj3wDclV5Mw2Nyyps6ilCEK56+seovY  
S+IsbPaHmK0NEKdcRDYF7nbtoavz+Bn/18NzvUJH/9x3NikEdMrvtadQA0L0VKAZB
```

Input **Key Pair Name**

Select **Key Type** from the dropdown

Click **Browse** in order to browse the 'Public Key' from the local system.

User can copy and paste the **Public Key** directly in the description box.
[Browsed key from the local file-system will automatically populate the description box]

Click **Submit** to confirm and start the import

Configuration

Load Customization Script from a file

Customization Script 0 b / 16 kb

Disk Partition

Configure Drive Configuration

Click **Browse** in order to browse the custom script file, from the local system.

User can copy and paste the **Script** directly in the description box.
[Browsed script from the local file-system will automatically populate the description box]

Click **Automatic** to allow automatic disk partition

Mark this option to enable custom configuration

Click **Create Server Group**
(in order to create a new custom server-group)

Select an existing **Server Group** using the dropdown
[User can use the search function to easily find the desired server-group]

Click **Clear**
(in order to remove any selection)

Server Group

Available Server Group 2

Test Server 01

Test Server 02

Create Server Group ✕

Name

Policy

Affinity

- Affinity
- Anti Affinity
- Soft Anti Affinity
- Soft Affinity

Input **Server Group Name**

Select **Policy** for the group using the dropdown

Click **Submit** to confirm and create server-group

Cloud Compute Service > Instance

Instance ID Filter More Actions Delete Instances Launch Instance

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
Test Instance	cirros-0.5.2-x86_64-disk	158.152.20.118	m1.tiny	-	Active	nova	None	Running	4 days, 3 hours	<ul style="list-style-type: none"> Create Snapshot Associate Floating IP Attach Interface Detach Interface Edit Instance Attach Volume Detach Volume Update Metadata Edit Security Groups Edit Port Security Groups Console View Log Rescue Instance Pause Instance Suspend Instance Shelve Instance Resize Instance Lock Instance Soft Reboot Instance Hard Reboot Instance Shut Off Instance Rebuild Instance Delete Instance
Test Instance001	cirros-0.5.2-x86_64-disk	158.152.20.60	m1.tiny	test-18	Active	nova	None	Running	6 days, 23 hours	

- Clicking “Launch Instance” will take user to the ‘Instance’ Dashboard where user can see the instance being created.
- Newly created instances will be shown in the list in the “Instance” dashboard.
- User can use the action button and dropdown menu for more advanced customization to their instances.



Thank You