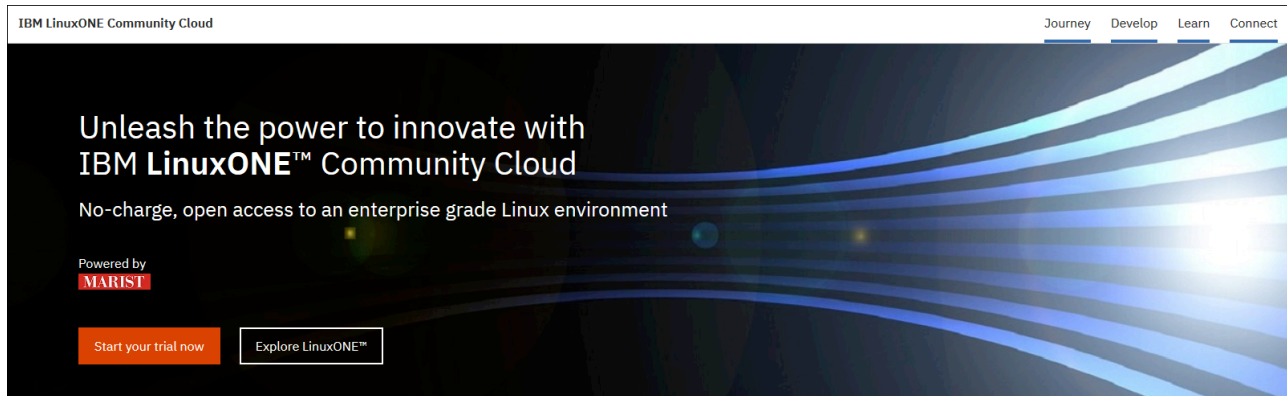


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Request access to LinuxONE Community Cloud.

- 1) In a browser, go to <https://developer.ibm.com/linuxone>.



- 2) Click **Start your trial now**.
- 3) Complete the required fields on the registration page.

The screenshot displays the registration form on the IBM LinuxONE Community Cloud website. The form is titled 'Sign up to get a 120-day complimentary trial'. It includes fields for 'First Name*', 'Last Name*', 'Email address*', 'Re-enter email address*', 'Organization*', 'Country / Region of residence*', 'Description of your project*', 'Address 1*', 'Address 2', 'City*', 'State / Province*', and 'Zip / Postal Code*'. The form is pre-filled with example data: First Name: John, Last Name: Smith, Email address: janedoe@mycompany.com, Re-enter email address: janedoe@mycompany.com, Organization: My Company, Country / Region of residence: United States, Address 1: South Road, Address 2: (empty), City: Poughkeepsie, State / Province: New York, Zip / Postal Code: 12601, and Description of your project: Participate in the Unchain the Frame virtual Hackathon.

- 4) Provide a mobile phone number that is capable of receiving SMS messages.
 - a) Select a country code.
 - b) Enter the mobile phone number. Do not use dashes (-).
 - c) Click **Get Code**.

Please keep me informed of products, services and offerings from IBM companies worldwide.

☒ by email.

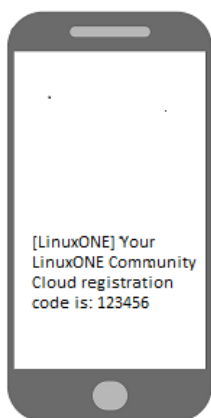
☒ by telephone.

By submitting this form I agree that IBM may process my data in the manner indicated above and as described in [IBM's Privacy statement](#) and [Terms and Conditions](#).

Mobile phone*

Get validation code via SMS on your phone

- 5) Go to your mobile phone and check for an SMS message from LinuxONE.



Note: You will see a countdown timer. If you don't get a code, you can get a new one when the timer expires.

- 6) Complete your registration.
- Enter the "LinuxONE Community Cloud registration code".
 - Click **Request your trial**.

Please keep me informed of products, services and offerings from IBM companies worldwide.

☒ by email.

☒ by telephone.

By submitting this form I agree that IBM may process my data in the manner indicated above and as described in [IBM's Privacy statement](#) and [Terms and Conditions](#).

Mobile phone*

Get validation code via SMS on your phone

- 7) You will see this THANK YOU page indicating your registration is successful.

THANK YOU

Thank you for your registration. You have been granted access to the LinuxONE Community Cloud Portal. Please bookmark this URL for future reference: <https://linuxone20.cloud.marist.edu/cloud/>

You will receive a confirmation email shortly with information on how to access the LinuxONE Community Cloud.

To get started with the Community Cloud web interface and learn how to quickly deploy a virtual server, please refer to the Getting Started Guide at <https://developer.ibm.com/linuxone/resources>.

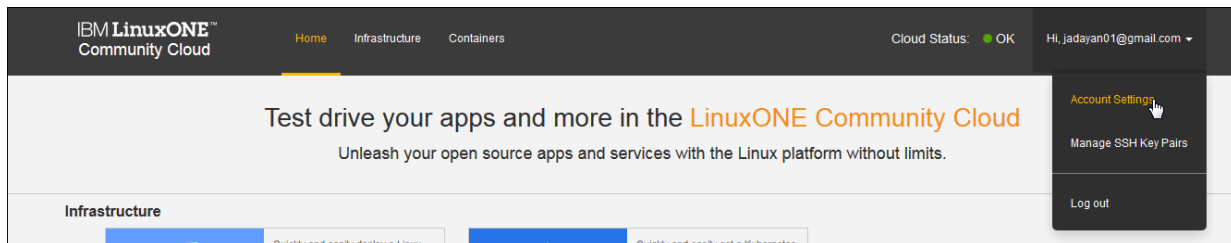
If you need to update any of your registration details, please contact the Community Cloud administrator linuxone@marist.edu.

[Sign in](#)

- 8) You now have access to the LinuxONE Community Cloud self service portal.
 - a) Click **Sign In**.
- 9) Check your email for a registration confirmation similar to the following shown. You will need your User ID and Password from this email to sign in to the self service portal.

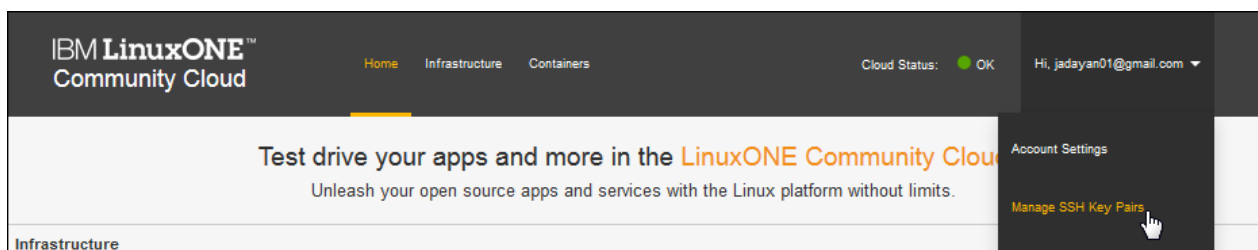
First time setup

- 1) Back in your browser, from the self service portal login page:
 - a) Enter your user ID and password.
 - b) Click **Sign in**.
- 2) Now is a good time to change your password to one you will remember. This can be done after the initial sign in by selecting your username from the upper right corner of the web page and selecting account settings.

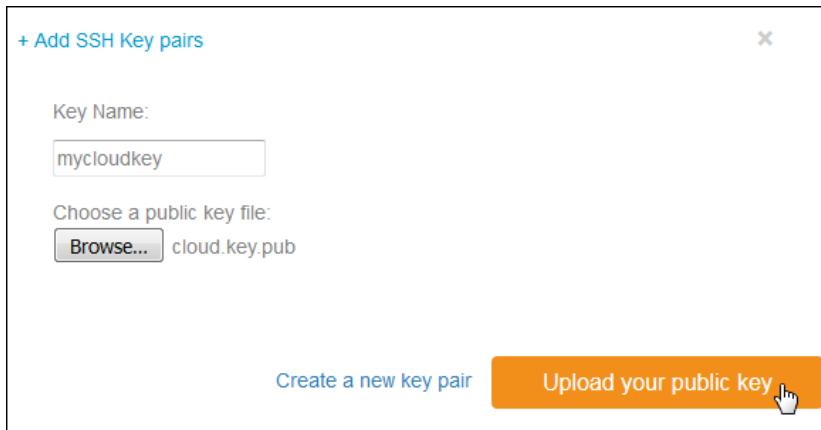


- 3) Now is also a good time to create or import an SSH key. An SSH public key is required to deploy Linux instance. The instance can only be accessed with your private key that matches the public key.

This can be done by selecting your username from the upper right corner of the web page and selecting **Manage SSH Key Pairs**.



- a) If you already have a public SSH key you wish to use with this cloud:
- Click **Import**.
 - Enter a name for this key.
 - Browse your local file system to select the public key path.
 - Click **Upload your public key**.



+ Add SSH Key pairs

Key Name:

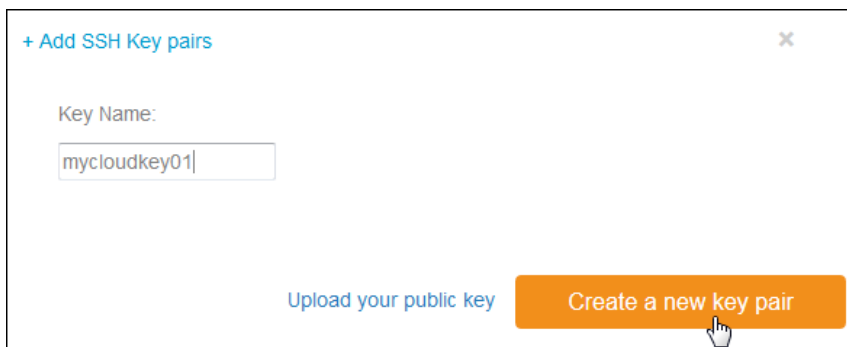
mycloudkey

Choose a public key file:

Browse... cloud.key.pub

Create a new key pair Upload your public key

- b) If you want to create a new SSH key pair:
- Click **Create**.
 - Enter a name for this key.
 - Click **Create a new key pair**.



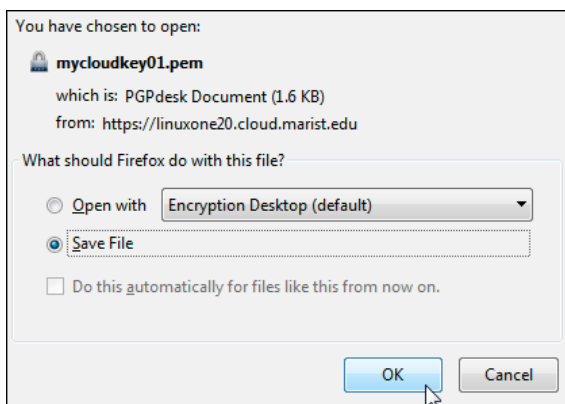
+ Add SSH Key pairs

Key Name:


mycloudkey01

Upload your public key Create a new key pair

- iv) A pop-up window will appear asking you to save a yourkey. pem file. This is your private key. Please save it to a secure location. Once this operation is complete, there is no way to retrieve this key.



You have chosen to open:

 **mycloudkey01.pem**

which is: PGPdesk Document (1.6 KB)

from: https://linuxone20.cloud.marist.edu

What should Firefox do with this file?

☐ Open with Encryption Desktop (default)

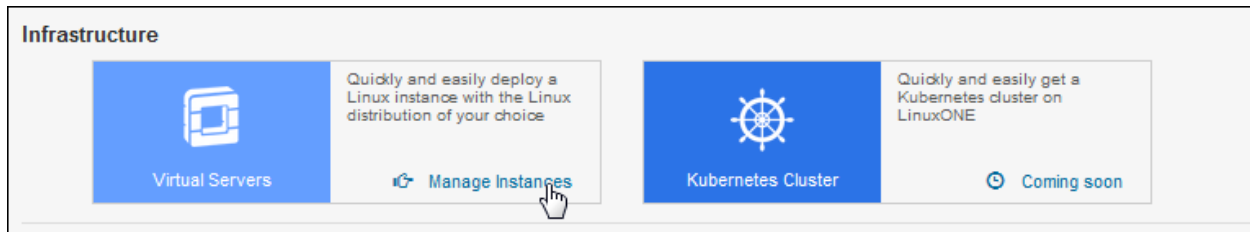
☒ Save File

☐ Do this automatically for files like this from now on.

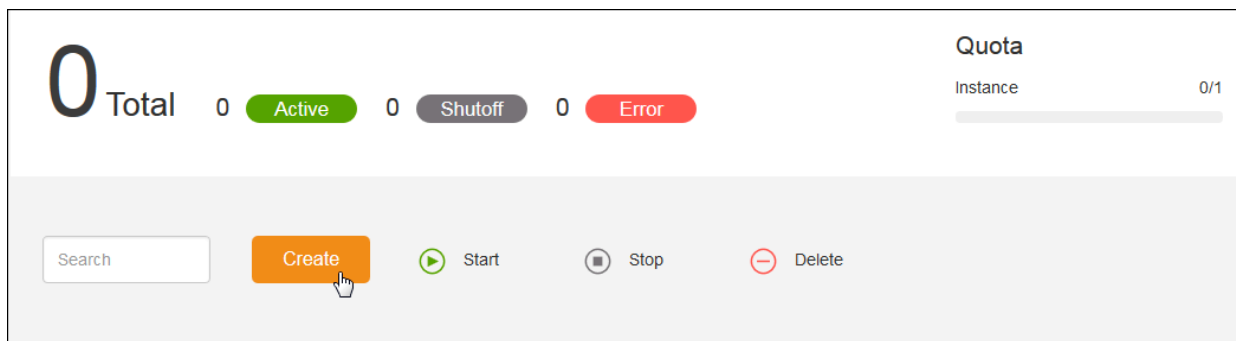
OK Cancel

Deploy your LinuxONE virtual server

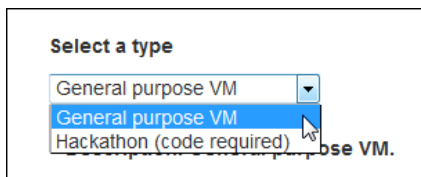
- 1) Go to Home page, Infrastructure section, Virtue Servers.
 - a) Click **Manage Instances**.



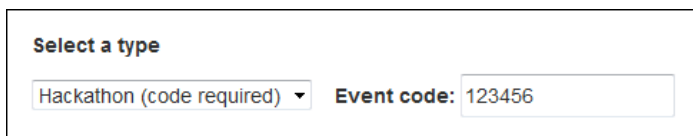
- b) Click **Create**.



- 2) Complete the following information:
 - a) Select a type:
 - i) Select **General purpose VM** if this server is for generic purpose.



- ii) Select **Hackathon** if this server is for a Hackathon event. A valid event code is required.



- b) Provide details information for this instance. Enter:
 - i) An instance name, without any spaces or special characters.
 - ii) An instance description.

Enter Instance Details

Instance name *

Instance Description

- c) Select the desired Linux image.

Select an Image

- d) Select the desired flavor (configuration).

Select a Flavor

LinuxONE-Small CPU: 1 core(s) Memory: 2048MB Disk: 40GB	LinuxONE-Medium CPU: 2 core(s) Memory: 4096MB Disk: 40GB
---	--

- e) Select the SSH key to use.

Select a SSH Key Pair

[Create](#) [Import](#)

- f) Verify that all the information is correct and click **Create**.

CURRENT SELECTION:

Name: myserver	Key-pair: mycloudkey	Image: SLES12 SP2	Flavor: LinuxONE-Small
			<input type="button" value="Clear"/> <input type="button" value="Create"/>

- 3) Watch the status of your newly deployed instance go through the following phases of start up: networking > spawning > Active. When your instance status changes to active, it is ready for use.

The screenshot shows the IBM LinuxONE Community Cloud Infrastructure console. At the top, it says 'You are in Infrastructure' and 'Project: jadayan01@gmail.com'. Below this, there's a summary card showing '1 Total' instances, with 1 Active, 0 Shutoff, and 0 Error. A 'Quota' bar shows 'Instance' usage at 1/1. Below the summary, there's a search bar and buttons for 'Create', 'Start', 'Stop', and 'Delete'. A table lists the instances, with one instance named 'myserver' in an 'ACTIVE' state. The table columns are Name, Status, Type, Linux User, Key Pair, IP Address, Create Date, and Details. The instance 'myserver' is a 'General purpose VM' with Linux User 'linux1', Key Pair 'mycloudkey', and IP Address '148.100.4.39'. It was created on 'Thu 10.Aug.2017 at 19:27:45 UTC'. A 'View details' button is next to the instance.

Name	Status	Type	Linux User	Key Pair	IP Address	Create Date	Details
myserver	ACTIVE	General purpose VM	linux1	mycloudkey	148.100.4.39	Thu 10.Aug.2017 at 19:27:45 UTC	View details

Write down the IP address of your instance. You will need it to log in.

Log in to your LinuxONE virtual server

From Mac OS X or Linux using Terminal

- 1) Open the **Terminal** application.
- 2) Ensure that you have the SSH private key used to deploy the server.
- 3) If you have not done so already, change the permission bits of this key to 600.

```
Chmod 600 /path/to/key/keyname.pem
```

- 4) Log in, with SSH, to the **linux1** user ID.

```
ssh -i /path/to/key/keyname.pem linux1@serveripaddress
```

From Windows using PuTTY

- 1) Set up PuTTY to use the SSH key for your server. Refer to the [Setting up PUTTY on Windows to use ssh private key](#) tutorial.
- 2) Log in to the **linux1** user ID.

Appendix

Important notes about your deployed Linux server

- 1) The user 'root' login is disabled.
- 2) You must log in with the user 'linux1' with your SSH private key.

- 3) Once logged in, you can use 'sudo' to execute commands that require root authority.
- 4) There is a 42 GB user disk mounted at /data.
- 5) Firewall is enabled. Only the SSH port is open. Modify the firewall rules with iptables if you need other ports opened.
- 6) It is the end user's responsibility to back up any critical data.
- 7) Any misuse of the server will result in termination of account immediately without notice. Please refer the [Terms and Conditions](#) for using the LinuxONE Community Cloud.

Bookmarks

<https://developer.ibm.com/linuxone/>

<https://developer.ibm.com/code/>

<https://developer.ibm.com/linuxone/wp-content/uploads/sites/57/virtual-servers-quick-start.pdf>