



Usage instructions:

Launch the product via 1-click. **Please wait until** the instance passes all status checks and is running. You can connect using your Amazon private key and 'ubuntu' login via your SSH client.

- To update software, use: **sudo apt-get update**

1. Next configure the Nginx server. Run the following command:

sudo nano /etc/nginx/nginx.conf

- Change the server_name to your instance's Public IPv4 address or a domain name.

```
server {  
  
    listen 80;  
  
    server_name 52.204.252.153;
```

- **Save & Exit**

2. Restart Nginx:

sudo systemctl restart nginx

3. Run the JupyterLab server.

jupyter lab --ip 0.0.0.0

- You should see the following image.

```

Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions.
https://jupyter-notebook.readthedocs.io/en/latest/migrate_to_notebook7.html

Please note that updating to Notebook 7 might break some of your extensions.

[I 2023-04-06 19:51:40.667 ServerApp] nbclassic | extension was successfully loaded.
[I 2023-04-06 19:51:40.668 ServerApp] Serving notebooks from local directory: /home/ubuntu
[I 2023-04-06 19:51:40.668 ServerApp] Jupyter Server 2.5.0 is running at:
[I 2023-04-06 19:51:40.668 ServerApp] http://ip-10-0-0-202:8888/lab?token=c263d776ac0c497419212cce10be685e432bd3131bb795b3
[I 2023-04-06 19:51:40.668 ServerApp] http://127.0.0.1:8888/lab?token=c263d776ac0c497419212cce10be685e432bd3131bb795b3
[I 2023-04-06 19:51:40.668 ServerApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[W 2023-04-06 19:51:40.675 ServerApp] No web browser found: Error('could not locate runnable browser').
[C 2023-04-06 19:51:40.675 ServerApp]

To access the server, open this file in a browser:
file:///home/ubuntu/.local/share/jupyter/runtime/jpserver-1118-open.html
Or copy and paste one of these URLs:
http://ip-10-0-0-202:8888/lab?token=c263d776ac0c497419212cce10be685e432bd3131bb795b3
http://127.0.0.1:8888/lab?token=c263d776ac0c497419212cce10be685e432bd3131bb795b3
[I 2023-04-06 19:52:15.738 ServerApp] 302 GET / (@127.0.0.1) 0.61ms
[I 2023-04-06 19:52:15.788 LabApp] 302 GET /lab? (@127.0.0.1) 0.85ms

```

Note: Please take notice of your Token for the GUI login.

```

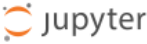
To access the server, open this file in a browser:
file:///home/ubuntu/.local/share/jupyter/runtime/jpserver-1118-open.html
Or copy and paste one of these URLs:
http://ip-10-0-0-202:8888/lab?token=c263d776ac0c497419212cce10be685e432bd3131bb795b3
http://127.0.0.1:8888/lab?token=c263d776ac0c497419212cce10be685e432bd3131bb795b3
[I 2023-04-06 19:52:15.738 ServerApp] 302 GET / (@127.0.0.1) 0.61ms

```

4. In browser, go to your Public IPv4 address to log into the JupyterLab server interface.

Ex: <http://54.204.252.153>

Copy and Paste the token here or create a password.



Password or token:

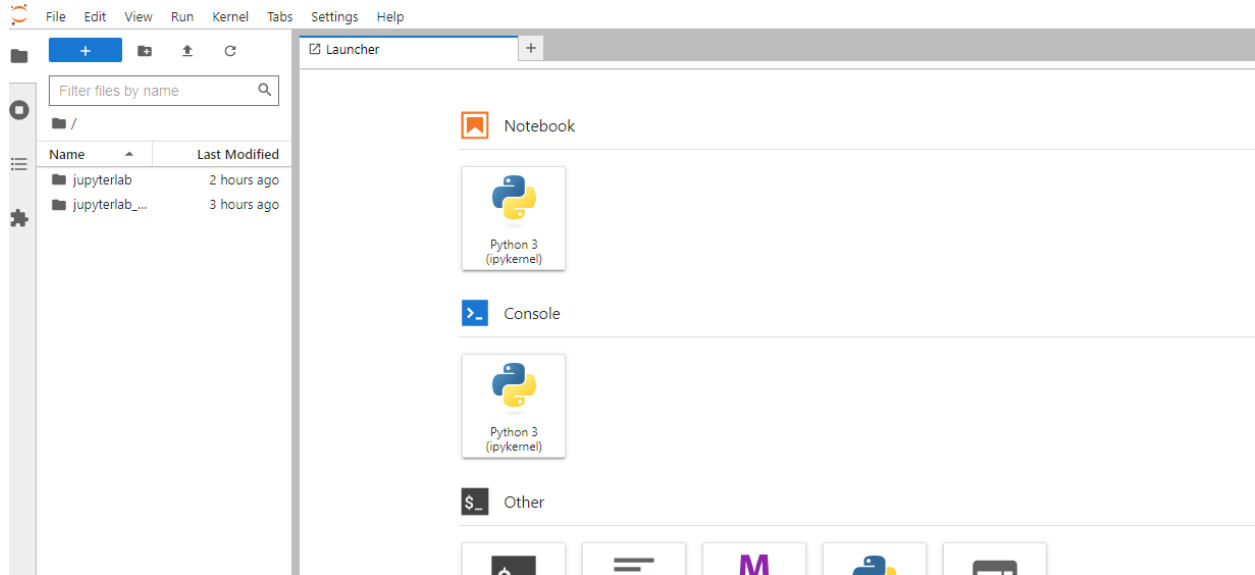
Token authentication is enabled

Setup a Password

You can also setup a password by entering your token and a new password on the fields below:

Token

New Password



- **Leave your server running** To stop the server using **CTRL+C** to follow along with the next steps.
 - For More Info: <https://jupyterlab.readthedocs.io/en/stable/>
-

AWS Data

- Data Encryption Configuration: This solution does not encrypt data within the running instance.
- User Credentials are stored: `/root/.ssh/authorized_keys` & `/home/ubuntu/.ssh/authorized_keys`
- Monitor the health:
 - Navigate to your Amazon EC2 console and verify that you're in the correct region.
 - Choose Instance and select your launched instance.
 - Select the server to display your metadata page and choose the Status checks tab at the bottom of the page to review if your status checks passed or failed.

Extra Information: (Optional)

Allocate Elastic IP

To ensure that your instance **keeps its IP during restarts** that might happen, configure an Elastic IP. From the EC2 console:

1. Select ELASTIC IPs.
2. Click on the ALLOCATE ELASTIC IP ADDRESS.
3. Select the default (Amazon pool of IPv4 addresses) and click on ALLOCATE.
4. From the ACTIONS pull down, select ASSOCIATE ELASTIC IP ADDRESS.
5. In the box that comes up, note down the Elastic IP Address, which will be needed when you configure your DNS.
6. In the search box under INSTANCE, click and find your INSTANCE ID and then click ASSOCIATE.
7. Your instance now has an elastic IP associated with it.
8. For additional help: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html>