

Steps to access Jupyter Notebook via Gateway

To use Jupyter Notebook via Gateway, please follow the below steps:

Gateway Login Procedure

```
eval "$(ssh-agent -s)"
```

```
ssh-add
```

```
ssh -A <pegasus-user-name>@202.52.53.6
```

For Ubuntu 20+ or latest MAC OS, please use below command:

```
ssh -A -oKexAlgorithms=+diffie-hellman-group1-sha1 -L 9940:192.168.11.250:9939 <pegasus-user-name>@202.52.53.6
```

OR

```
ssh -A -L 9940:192.168.11.250:9939 -oKexAlgorithms=+diffie-hellman-group1-sha1 <pegasus-user-name>@202.52.53.6
```

Enter gateway credentials

You will be logged into the cluster account

Initiate Jupyter Notebook using the below command:

Please note that the first **1024** ports (Ports **0-1023**) are referred to as well-known port numbers and are reserved for the most commonly used services.

```
jupyter notebook --no-browser --port=<port_number> --ip=192.168.11.250
```

```
jupyter notebook --no-browser --port=9939 --ip=192.168.11.250
```

EX:

```
-----  
[user@ln2 ~]$ jupyter notebook --no-browser --port=9939 --ip=192.168.11.250  
[I 10:03:06.020 NotebookApp] JupyterLab extension loaded from  
/home/user/anaconda3/lib/python3.7/site-packages/jupyterlab  
[I 10:03:06.020 NotebookApp] JupyterLab application directory is  
/home/user/anaconda3/share/jupyter/lab  
[I 10:03:06.022 NotebookApp] Serving notebooks from local directory: /home/user  
[I 10:03:06.022 NotebookApp] The Jupyter Notebook is running at:  
[I 10:03:06.022 NotebookApp] http://192.168.11.250:9939/  
[I 10:03:06.022 NotebookApp] Use Control-C to stop this server and shut down all kernels
```

Open another terminal on the local machine and forward the port from the cluster to the local machine:

ssh -A -L 9940:192.168.11.250:9939 <pegasus-user-name>[@202.52.53.6](http://202.52.53.6)

Enter Credentials

Done

Open a local browser and type the following path:

<http://localhost:9940>

Your Jupyter notebook will open.