

How to run a Jupyter notebook from a remote server

Learn more at https://jupyter-notebook.readthedocs.io/en/stable/public_server.html.

1. Generate the configuration file

```
$ jupyter notebook --generate-config #non-root user
$ jupyter notebook --generate-config --allow-config #root user
```

2. Generate hashed password

```
$ jupyter notebook password
Enter password:
Verify password:
[NotebookPasswordApp] wrote hashed password to
/.../.jupyter/jupyter_notebook_config.json
```

Hashed password location: /.../.jupyter/jupyter_notebook_config.json

3. Modify configuration file

```
$ vim /.../.jupyter/jupyter_notebook_config.py
```

Insert:

```
c.NotebookApp.ip='*'
c.NotebookApp.password='hashed password'
c.NotebookApp.open_browser=False
c.NotebookApp.port=xxxx
```

4. CentOS opens the xxxx port

• Personal remote server

```
$ sudo firewall-cmd --zone=public --list-all # view open ports
$ sudo firewall-cmd --zone=public --add-port=xxxx/tcp --permanent # open
xxxx port
$ sudo systemctl restart firewalld
```

5. Start notebook

Input on the remote server terminal

```
$ jupyter notebook --allow -root #root user
$ jupyter notebook #non-root user
```

Then access <http://remote> IP:xxxx (e.g. 10.20.59.251:8888) locally

Input password