

Keyboard shortcut

To tab out of the terminal window and select the next button element, press the left and right Shift keys together.

Close permanently

Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1016-aws x86_64)

```
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro
```

System information as of Mon Nov 11 01:36:33 UTC 2024

```
System load:  0.19           Processes:            106
Usage of /:   52.0% of 28.02GB Users logged in:          0
Memory usage: 21%           IPv4 address for enX0: 172.31.20.88
Swap usage:   0%
```

* Ubuntu Pro delivers the most comprehensive open source security and compliance features.

<https://ubuntu.com/aws/pro>

Expanded Security Maintenance for Applications is not enabled.

61 updates can be applied immediately.

11 of these updates are standard security updates.

To see these additional updates run: `apt list --upgradable`

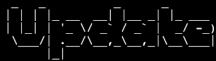
Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

Last login: Mon Nov 11 01:34:51 2024 from 3.16.146.3

(base) ubuntu@ip-172-31-20-88:~\$ cd

(base) ubuntu@ip-172-31-20-88:~\$ jupyter notebook



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.

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[W 01:38:38.445 NotebookApp] WARNING: The notebook server is listening on all IP addresses and not using encryption. This is not recommended.

[W 01:38:38.671 NotebookApp] Loading JupyterLab as a classic notebook (v6) extension.

[W 2024-11-11 01:38:38.673 LabApp] 'ip' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.

[W 2024-11-11 01:38:38.673 LabApp] 'port' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.

[W 2024-11-11 01:38:38.673 LabApp] 'port' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.

[I 2024-11-11 01:38:38.675 LabApp] JupyterLab extension loaded from /home/ubuntu/anaconda3/lib/python3.11/site-packages/jupyterlab

[I 2024-11-11 01:38:38.676 LabApp] JupyterLab application directory is /home/ubuntu/anaconda3/share/jupyter/lab

[I 01:38:39.795 NotebookApp] Serving notebooks from local directory: /home/ubuntu

[I 01:38:39.796 NotebookApp] Jupyter Notebook 6.5.4 is running at:

[I 01:38:39.796 NotebookApp] http://ip-172-31-20-88:8888/?token=ac6fd4e73e6e268f8db3fa73ccdbf3b96e3702dd8baa8c38

[I 01:38:39.796 NotebookApp] or http://127.0.0.1:8888/?token=ac6fd4e73e6e268f8db3fa73ccdbf3b96e3702dd8baa8c38

[I 01:38:39.796 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

[C 01:38:39.798 NotebookApp]

To access the notebook, open this file in a browser:

file:///home/ubuntu/.local/share/jupyter/runtime/nbsrvr-2701-open.html

Or copy and paste one of these URLs:

http://ip-172-31-20-88:8888/?token=ac6fd4e73e6e268f8db3fa73ccdbf3b96e3702dd8baa8c38

or http://127.0.0.1:8888/?token=ac6fd4e73e6e268f8db3fa73ccdbf3b96e3702dd8baa8c38

[I 01:38:39.800 NotebookApp] 302 GET / (189.175.25.56) 0.420000ms

0.00s - Debugger warning: It seems that frozen modules are being used, which may

0.00s - make the debugger miss breakpoints. Please pass -Xfrozen_modules=off

0.00s - to python to disable frozen modules.

0.00s - Note: Debugging will proceed. Set PYDEVD_DISABLE_FILE_VALIDATION=1 to disable this validation.

[W 01:40:41.344 NotebookApp] Notebook notebooks/1.- spark.ipynb is not trusted

[I 01:40:41.588 NotebookApp] Kernel started: 29e05bd4-el40-471d-8b54-a60fb3653d0, name: python3

0.00s - Debugger warning: It seems that frozen modules are being used, which may

0.00s - make the debugger miss breakpoints. Please pass -Xfrozen_modules=off

0.00s - to python to disable frozen modules.

0.00s - Note: Debugging will proceed. Set PYDEVD_DISABLE_FILE_VALIDATION=1 to disable this validation.

Setting default log level to "WARN".

To adjust logging level use `sc.setLogLevel(newLevel)`. For SparkR, use `setLogLevel(newLevel)`.

24/11/11 01:40:50 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

[I 01:42:42.699 NotebookApp] Saving file at /notebooks/1.- spark.ipynb