

SageMath

To start Sage with a Jupyter notebook: type in a terminal

```
> sage '-n jupyter --ip=`hostname`'
```

This will start Sage on a default compute host. If you want to run it on a specific compute server, type the name of the server first to login to it. For instance, to start Sage on superhost

```
> superhost  
> sage -n jupyter --ip=`hostname`
```

Notice no quotes in this versions of the command!

The above command should produce an output similar to the one below

```
| SageMath version 9.4, Release Date: 2021-08-22 |  
| Using Python 3.9.5. Type "help()" for help. |
```

Please wait while the Sage Jupyter Notebook server starts...

[I 09:02:39.440 NotebookApp] Serving notebooks from local directory: /home/b/<your-name>

[I 09:02:39.440 NotebookApp] Jupyter Notebook 6.1.1 is running at:

[I 09:02:39.440 NotebookApp] http://olive:8888/?token=<a-very-long-token>

[I 09:02:39.440 NotebookApp] or http://127.0.0.1:8888/?token=<a-very-long-token>

[I 09:02:39.440 NotebookApp] Use Control-C to stop this server and shut down all kernels
(twice to skip confirmation).

[C 09:02:39.957 NotebookApp]

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

file:///home/b/<your-name>/local/share/jupyter/runtime/nbserver-<notebook-id>-
open.html

Or copy and paste one of these URLs:

http://olive:8888/?token=<a-very-long-token>

or http://127.0.0.1:8888/?token=<a-very-long-token>

Open either of the links `file:///...` or `http://olive:8889/...` by clicking on it with right button and selecting `_Open link_` from the menu.

Note 1 Do not use `http://127.0.0.1:8889/...` - this link will not work!

Note 2 For longer computations please use the second approach with [screen](#).

Revision #3

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