

Using Jupyter Notebook/Lab



First you must login to the portal found at portal.hpc.uams.edu. If you have not read the [portal instructions](#) please do so.

Go to the 'Interactive Apps' tab and choose Jupyter Notebook

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Notice: We have updated the documentation for the HPC. Visit: <http://hpc.uams.edu>

OPEN OnDemand

OnDemand provides an integrated, single access point to your HPC resources.

- Desktops
 - Grace Desktop
- Jupyter Servers
 - Jupyter Lab
 - Jupyter Notebook
- R Servers
 - RStudio Server

You will then be prompted by a window asking you what resources you want to use.

These should be set on a per task basis as typically no two notebooks require the same amount of resources.

Jupyter Notebook - Grace Open OnDemand

portal.hpc.uams.edu/pun/sys/dashboard/batch_connect/sys/jupyter-notebook/session_contexts/new

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 - Grace Desktop
- Servers
 - Jupyter Lab
 - Jupyter Notebook

Jupyter Notebook

This app will launch a Jupyter Notebook server on one or more nodes.

Modules

Partition

Number of hours

1

Number of nodes

1

☐ I would like to receive an email when the session starts

Launch

* The Jupyter Notebook session data for this session can be accessed under the [data root directory](#).

Once you have set your resources and click launch, the scheduler will reserve your requested resources.

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Session was successfully created.

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Jupyter Notebook

Jupyter Notebook (16588)Queued

Created at: 2021-01-08 12:20:47 CST

Time Requested: 4 hours

Session ID: d01130ea-09cb-416a-9c40-59d1deb4bd9c

Delete

Please be patient as your job currently sits in queue. The wait time depends on the number of cores as well as time requested.

Notice the status of this Notebook is Queued. This means that it is not running but is waiting for resources to become available.

Once the resources are available you should get an updated status like:

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Jupyter Notebook

Jupyter Notebook (16588)

1 node | 4 cores | Starting

Created at: 2021-01-08 12:20:47 CST

Time Remaining: 3 hours and 59 minutes

Session ID: d01130ea-09cb-416a-9c40-59d1deb4bd9c

Delete

Your session is currently starting... Please be patient as this process can take a few minutes.

This is notebook session is still starting, once it has started the session will update to

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Jupyter Notebook

Jupyter Notebook (16588)

1 node | 4 cores | Running

Host: >_kn081.uams-hpc

Created at: 2021-01-08 12:20:47 CST

Time Remaining: 3 hours and 59 minutes

Session ID: d01130ea-09cb-416a-9c40-59d1deb4bd9c

Delete

Connect to Jupyter

Click 'Connect to Jupyter' to access your notebook.

jupyter

Quit

Logout

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Select items to perform actions on them.

Upload

New

☐ 0

/

Name

Last Modified

File size

☐

ondemand

a minute ago

☐

perl5

seconds ago

Here you can see your files and notebooks. Click on the one you want to run and the notebook will launch or you can create a new notebook using the New drop down menu.