

Creating JupyterLab in Kubernetes workspace

JupyterLab is a famous tool for AI researchers. We will discuss how to prepare it on the Oasis Portal. First, we need a disk to persist our codes.

1. Go to Kubernetes tab on left panel, select "Disks".
2. Select "Create new disk" on right top corner.

New Disk ✕

Project	Cluster
<input type="text" value="Project create by Pinky"/> ▼	<input type="text" value="OBON"/>
Storage class	Size (GB) <i>remaining: 40 GB</i>
<input type="text" value="*default"/> ▼	<input type="text" value="10"/>
Name	
<input type="text" value="jupyterlab"/>	

Then, create a workspace to run JupyterLab.

New Workspace Code X

Name: Project: Cluster:

Number of GPU per pod Maximum: 8

 GPU model: NVIDIA-H100-80GB-HBM3
 Total memory per pod: 0.08GB

Image Pick from registry

Input registry credentials

Override command

Timeout (seconds) *leave blank if not apply*

Environment variables +envvar

Name	Value	X
NOTEBOOK_ARGS	--notebook-dir='/disk1'	

Disk: select the disk we created for this workspace.

Services +service

Mode	Port	X
<input type="text" value="http"/>	<input type="text" value="8888"/>	
Label	Type	
<input type="text" value="JupyterLab"/>	<input type="text" value="web"/>	
Path	Icon	
<input type="text" value="/?token=abcd"/>	<input type="text" value="https://download.appcara.com/icons/jupyter.svg"/>	

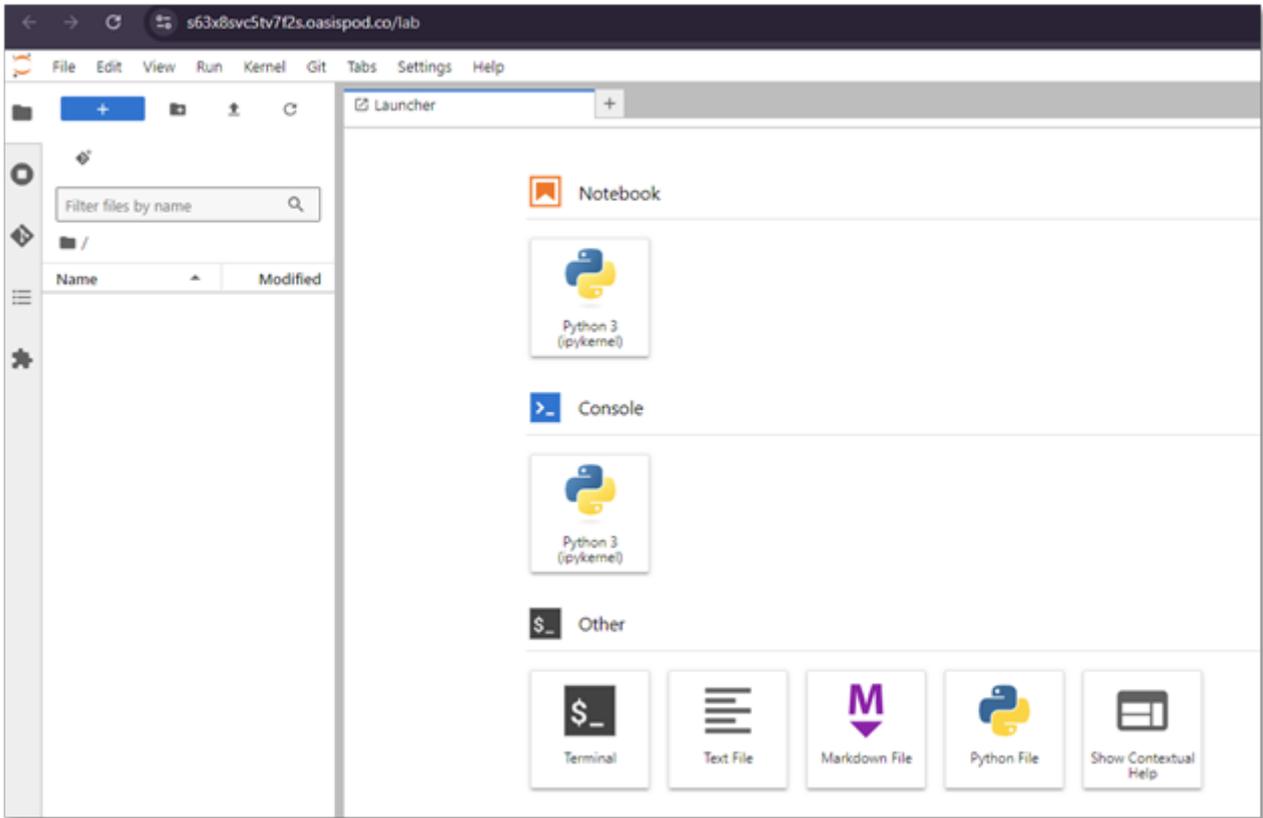
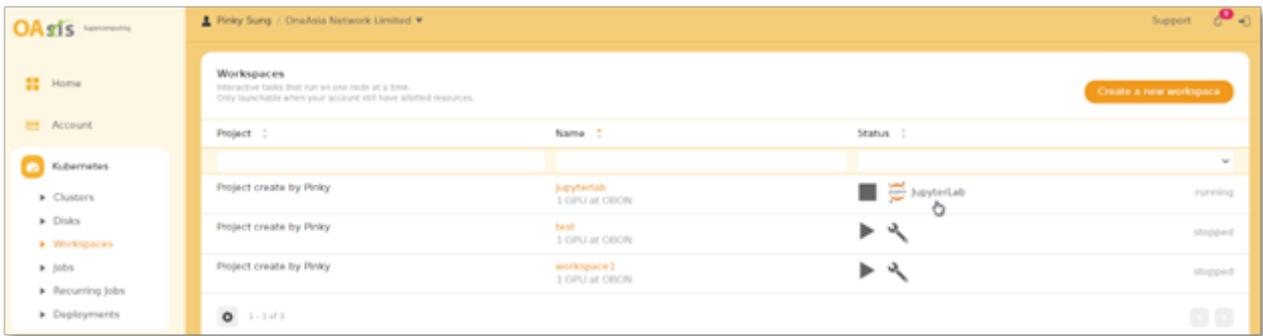
+ Ingress Annotation

Disks +disk

Disk	Mount path	X
<input type="text" value="(select a disk)"/>	<input type="text" value="/disk1"/>	

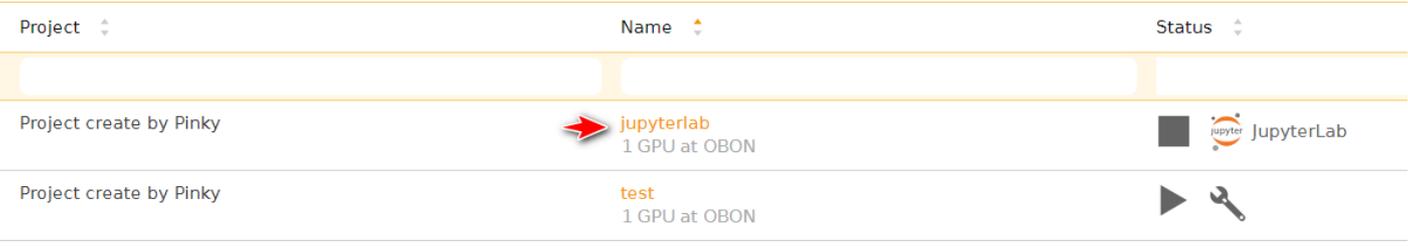
[Create](#)

Wait until the workspace is running, then click the JupyterLab link to launch the UI.



To access disk console, click the **workspace, e.g. jupyterlab**.

Workspaces
Interactive tasks that run on one node at a time.
Only launchable when your account still have allotted resources.



And then select **Console**.



Workspace rw2rhpe

```
(base) jovyan@rw2rhpe:~$
```

Revision #2

Created 15 August 2024 03:23:52 by Pinky Sung

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