

DiCOS Apps

ASGC

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istributed Cloud Operating System to support big data analysis and e-Science

Categories of DiCOS Apps

- Bio-Apps
 - CryoSPARC version, 2, 3, 4 (rtx 3090)
 - Relion version 3, 3.1, 4-beta (rtx 3090, P100)
 - AlphaFold (rtx 3090, A100) and RoseTTAFold (rtx 3090)
 - Dynamo, IMOD, EMAN2, cisTEM, Jupyter...etc.
- Phys-Apps
 - Deepmd-kit, MAML, Paraview, Ovito, Qiskit...etc.
- Machine-learning-Apps
 - Jupyter-Lab (PyTorch, Tensorflow) (cpu, P100, A100, rtx3090, rtx4090)
 - Triton
- Other-Apps
 - MATLAB

<https://dicos.grid.sinica.edu.tw/dockerapps/>

Jupyter

**Jupyter Lab**
Version: CPU with Tensorflow v1
Resources: 49%

OpenDelete

End Time: Oct. 3, 2025, 11:55 a.m.

**Jupyter Lab gpu 3090**
Version: GPU with Tensorflow 3090
Resources: 15%

Launch ▾

**Jupyter Lab GPU A100**
Version: GPU with Tensorflow A100
Resources: 50%

Launch ▾

**Jupyter Lab GPU A100**
Version: GPU with Tensorflow v2.6
Resources: 50%

Launch ▾

**Jupyter Lab GPU A100**
Version: GPU A100
Resources: 50%

Launch ▾

**Jupyter Lab GPU rtx4090**
Version: GPU rtx4090
Resources: 100%

Launch ▾

- 2 hours
- 3 days
- 7 days
- 10 days

The path of Disk Space

- All user
 - /dicos_ui_home/{user} (UI) (100 GB only)
- NSTCCore group
 - /ceph/sharedfs/work/group}/{user} (3 TB for free)

Hands-on

- <https://dicos.grid.sinica.edu.tw/dockerapps/nstc>
 - 抓取股票資料 + 畫圖
 - 爬蟲抓取 Yahoo 新聞標題

DiCOS Apps

NSTC202510 Workshop

JupyterLab



JupyterLab

Version: 2 CPU cores

Resources: %



Open

Delete

End Time: Oct. 7, 2025, 1:44 p.m.



Thank you

Q&A and Feedback

DiCOS Support E-Mail: DiCOS-Support@twgrid.org