DiCOS Apps ASGC

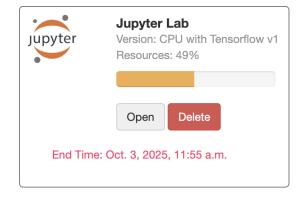
Ming-Jyuan Yang (Mandy Yang)

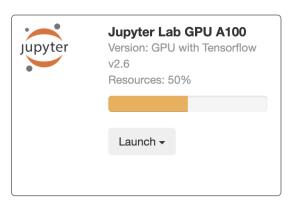
Categories of DiCOS Apps

- 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

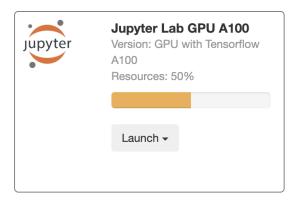
https://dicos.grid.sinica.edu.tw/dockerapps/

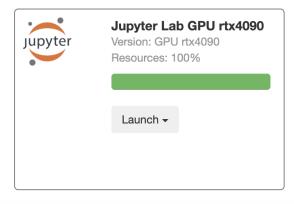
Jupyter











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

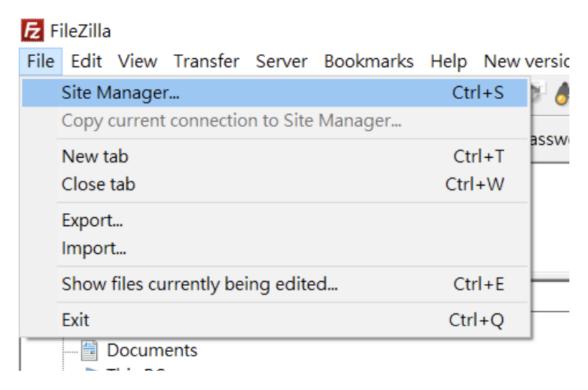


User guide:

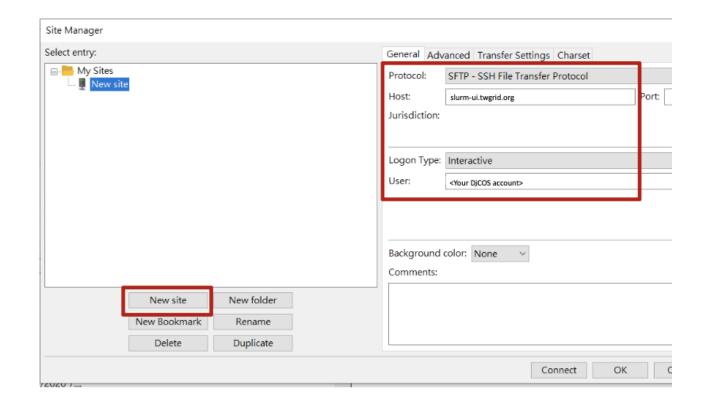
https://canew.twgrid.org/ApplyAccount/howToSave2faCode.php

Download FileZilla Client

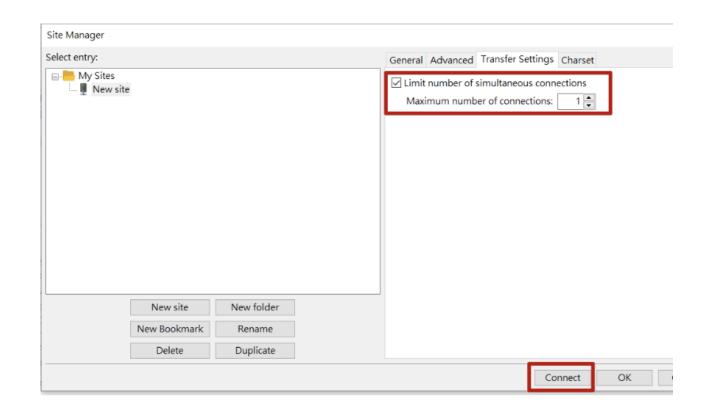
1. Chosse "Site Manager"



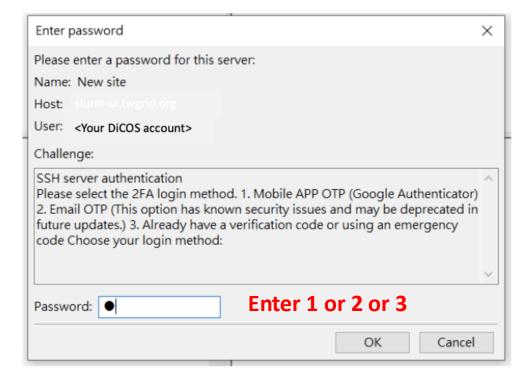
2. Click "New site" -> choose Protocol to "SFTP"-> enter Host "slurm-ui.twgrid.org" -> choose Logon Type to "Interactive" -> enter your DiCOS account to User field



Click "Transfer Settings"->
enable "Limit number of
simultaneous connections"
and check "Maximum
number of connections:" is 1
-> click "Connect"



- 3. After connect, the first pop-up window please select the 2FA method
 - 3.1 Obtain a 6-digit verification code shown in your Google Authenticator app
 - 3.2 Obtain a 8-digit OTP code in the E-mail
 - 3.3 If you have not used the OTP code within 10 minutes or if you remember your emergency code, you can use this option to log in.



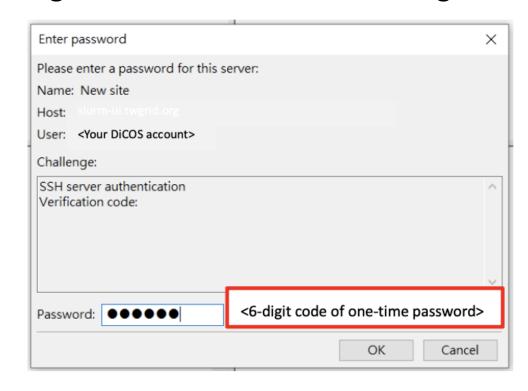
4. Enter your DiCOS account password



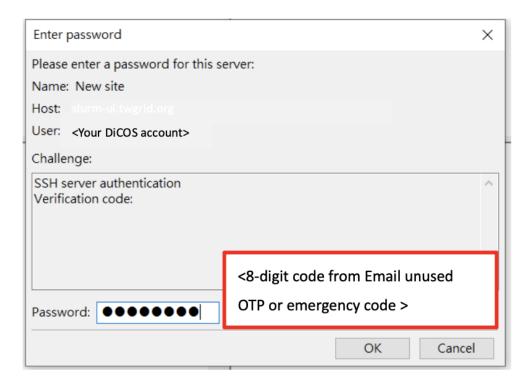
5. Verification Code

5.1. If you choose 1 option please enter 6-digit code of OTP shows on Google

authenticator



5.2. If 2 option please enter 8-digit code of OTP shows on Email



6. After two authentication succussed,

you can see the right window list your DiCOS home directory





Thank you

Q&A and Feedback
DiCOS Support E-Mail: DiCOS-Support@twgrid.org