

SIT JupyterHub User Guide

Purpose

This document is intended only for users who have already received a username for accessing the service.

Accessing the Service

- Open the JupyterHub URL in a browser: <https://jupyterhub.sit.kmutt.ac.th>
- For first-time access, sign up using the username you received and set a password.
- For subsequent access, sign in using your username and the password you set during your first login.
- Use JupyterLab.

Using JupyterLab

- Use the launcher tiles to open a notebook or terminal.
- Save files in your home directory.
- Long-running tasks should be executed in a notebook kernel or terminal session. Running them directly through the browser is not recommended.
- If the browser disconnects, the task should continue running as long as the server remains active.
- Example file: Pytorch Template

File Locations

- Your private files are stored in the home directory inside the container.
- If shared collaboration is enabled, files will be available in the shared mount.
- Files written only to temporary paths inside the container may be lost when the container is recreated.

Using the GPU

- Use the PyTorch launcher or your workflow in a notebook or terminal.
- This environment is configured for ROCm/PyTorch GPU access.
- GPU VRAM usage must not exceed 5 GB to prevent the job from being killed.

Quotas and Limits

- Your account has a storage quota of 100 GB.
- CPU and RAM are limited according to the container configuration.
- GPU VRAM is managed under a shared-use policy.

Saving and Restoring Work

- Save notebooks frequently.
- Store important files in your home directory.
- If the server is restarted, stop and start your server again from JupyterHub if necessary.

Precautions

- Do not assume that the browser tab is the only place where your work is stored.
- Do not treat a browser disconnection as an indication that the task has stopped.
- Do not store permanent files outside your own home directory.
- Do not use more than 5 GB of VRAM in total.