

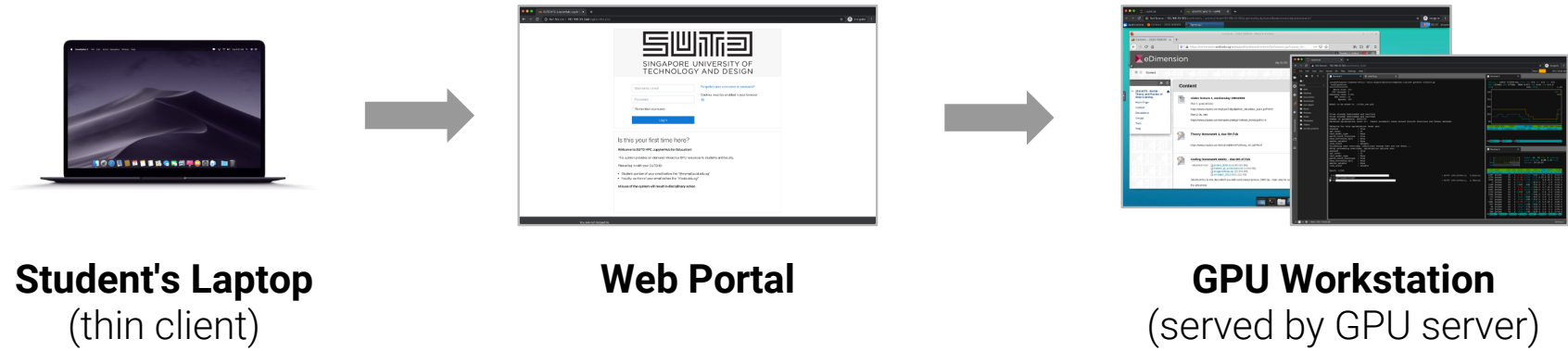
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JupyterHub for DL

Student's Guide 2020

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What's this?



Web-based system for interactive deep learning development

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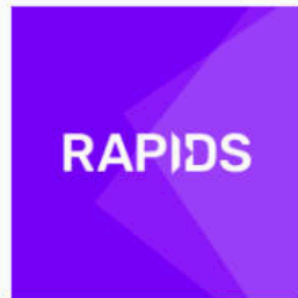
What you get

1. 2 vCPU (Skylake)
2. 13GB usable system RAM
- 3. V100 GPU with 8GB VRAM**
4. 50GB home storage
5. Scratch storage (mounted at **~/scratch**)
6. Shared dataset storage (mounted at **~/datasets**)

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Supported tools

Preconfigured Tools and Frameworks

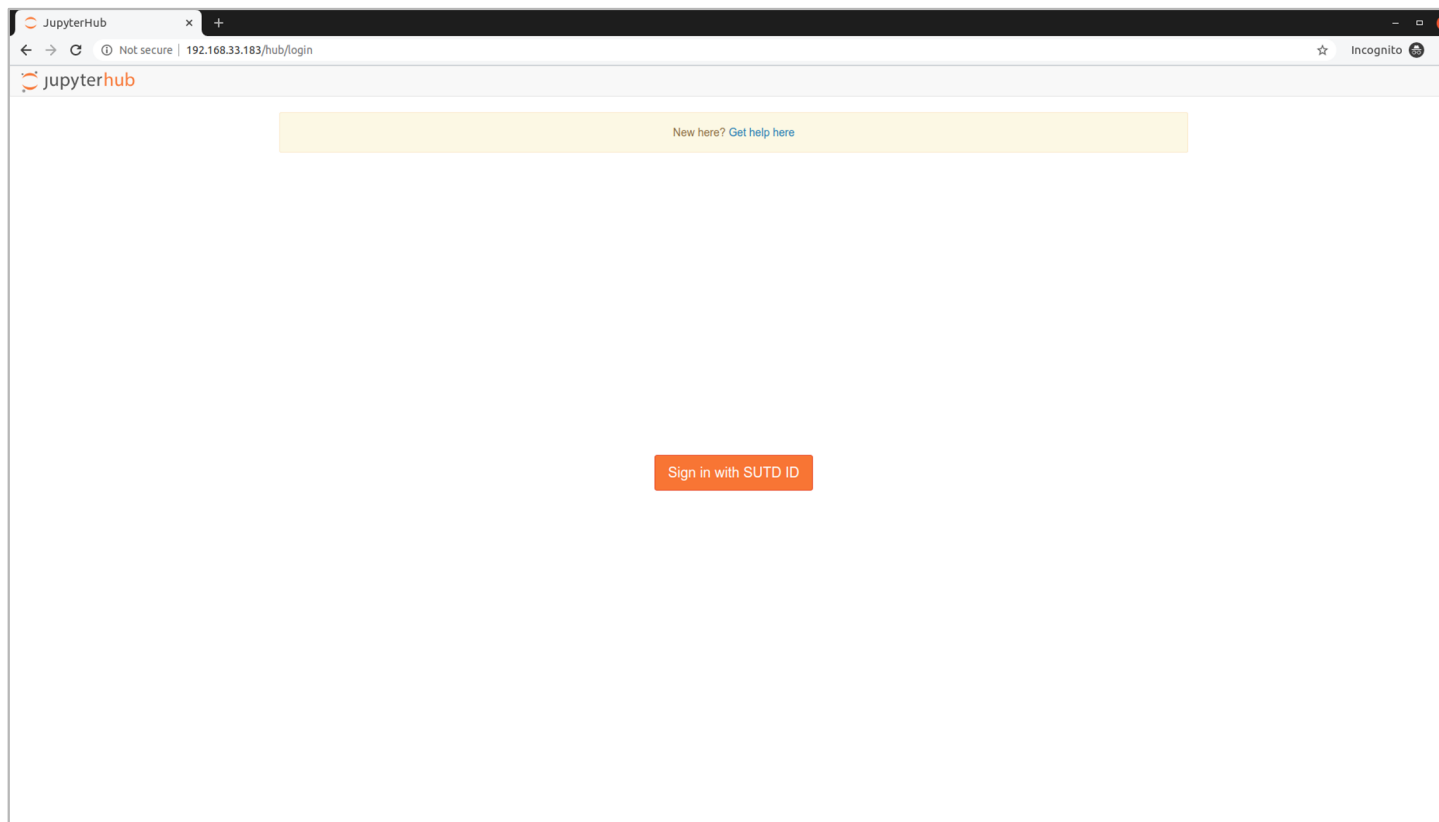


NVIDIA CUDA + CUDNN

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Logging In

1. Go to <http://192.168.33.183/> via SUTD Network (or VPN)



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Logging In

2. Log in with your student ID (**100XXXX**) and password **d1course2020**

SUTD HPC JupyterHub: Login

← → ↻ Not secure | 192.168.33.244/login/index.php

☆ Incognito

SUTD
SINGAPORE UNIVERSITY OF
TECHNOLOGY AND DESIGN

Username / email [Forgotten your username or password?](#)

Password [Cookies must be enabled in your browser](#)

☐ Remember username

Log in

Is this your first time here?

Welcome to SUTD HPC JupyterHub for Education!

This system provides on-demand interactive GPU resources to students and faculty.

Please log in with your SUTD ID following instructions provided to you.

Please note that access is only granted to whitelisted SUTD users.

Misuse of the system will result in disciplinary action.

You are not logged in.

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Logging In

3. First time login: you will be prompted to change password

Change password

Not secure | 192.168.33.244/login/change_password.php

Incognito

JupyterHub

Timothy Liu Kaihui Timothy Liu Kaihui

Dashboard / Site home / Calendar / Private files

Timothy Liu Kaihui Timothy Liu Kaihui Message

Dashboard / Preferences / User account / Change password

You must change your password to proceed.

Change password

Username 1002653

The password must have at least 8 characters, at least 1 digit(s), at least 1 lower case letter(s), at least 1 upper case letter(s), at least 1 non-alphanumeric character(s) such as *, -, or #

Current password

New password

New password (again)

Save changes

There are required fields in this form marked ❗.

You are logged in as Timothy Liu Kaihui Timothy Liu Kaihui (Log out)

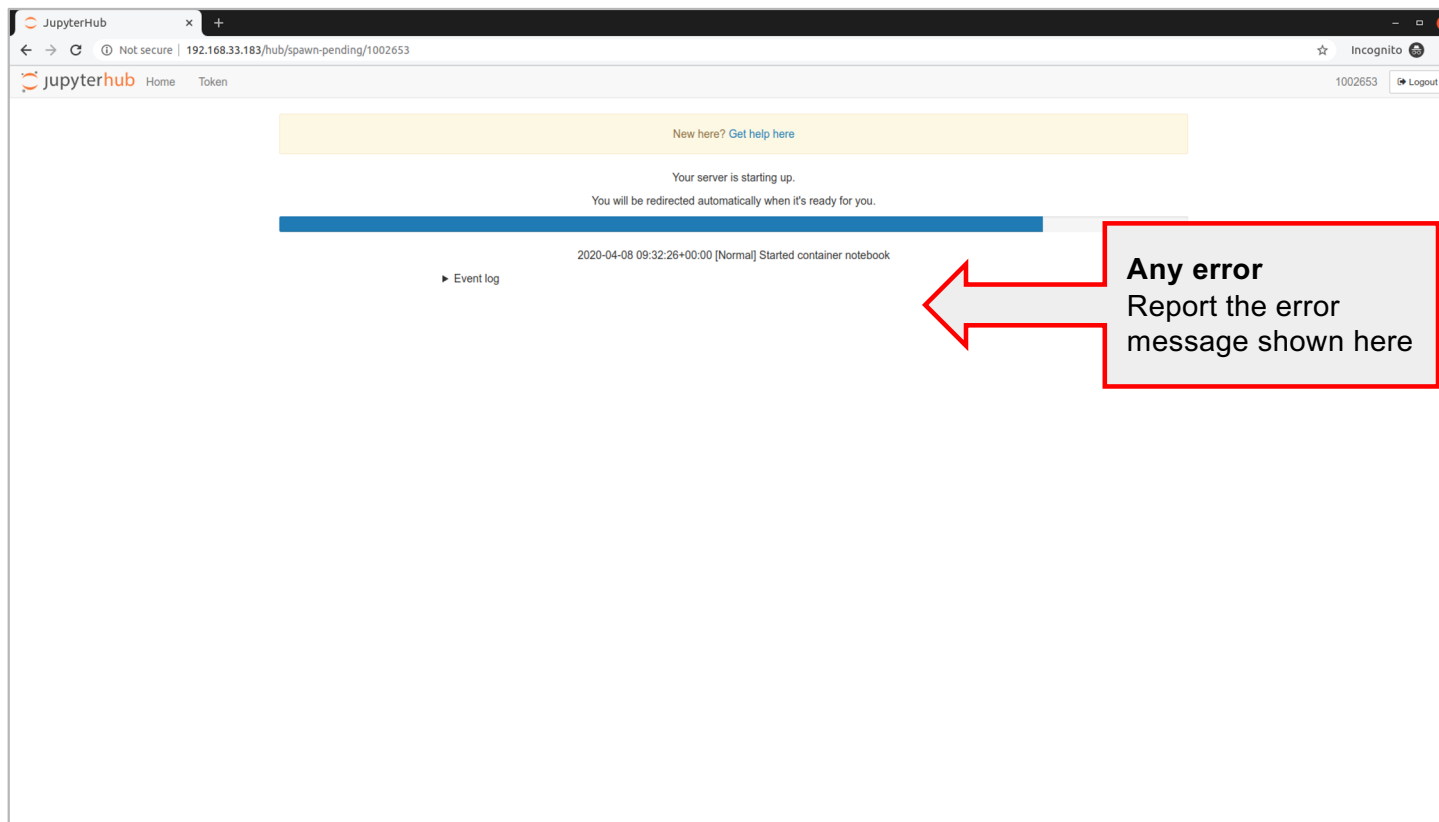
[Home](#)

[Data retention summary](#)

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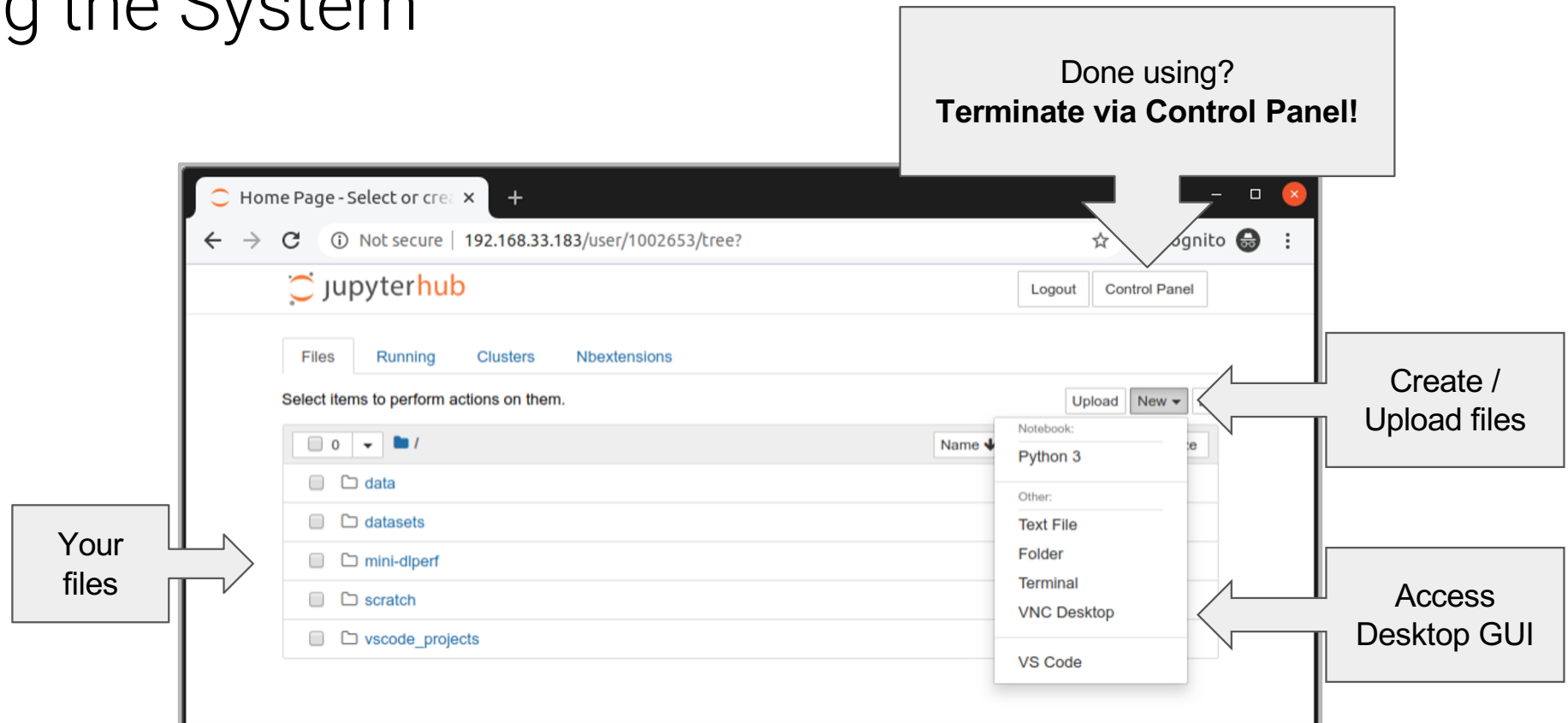
Logging In

4. System will spin up an instance for you on the GPU servers



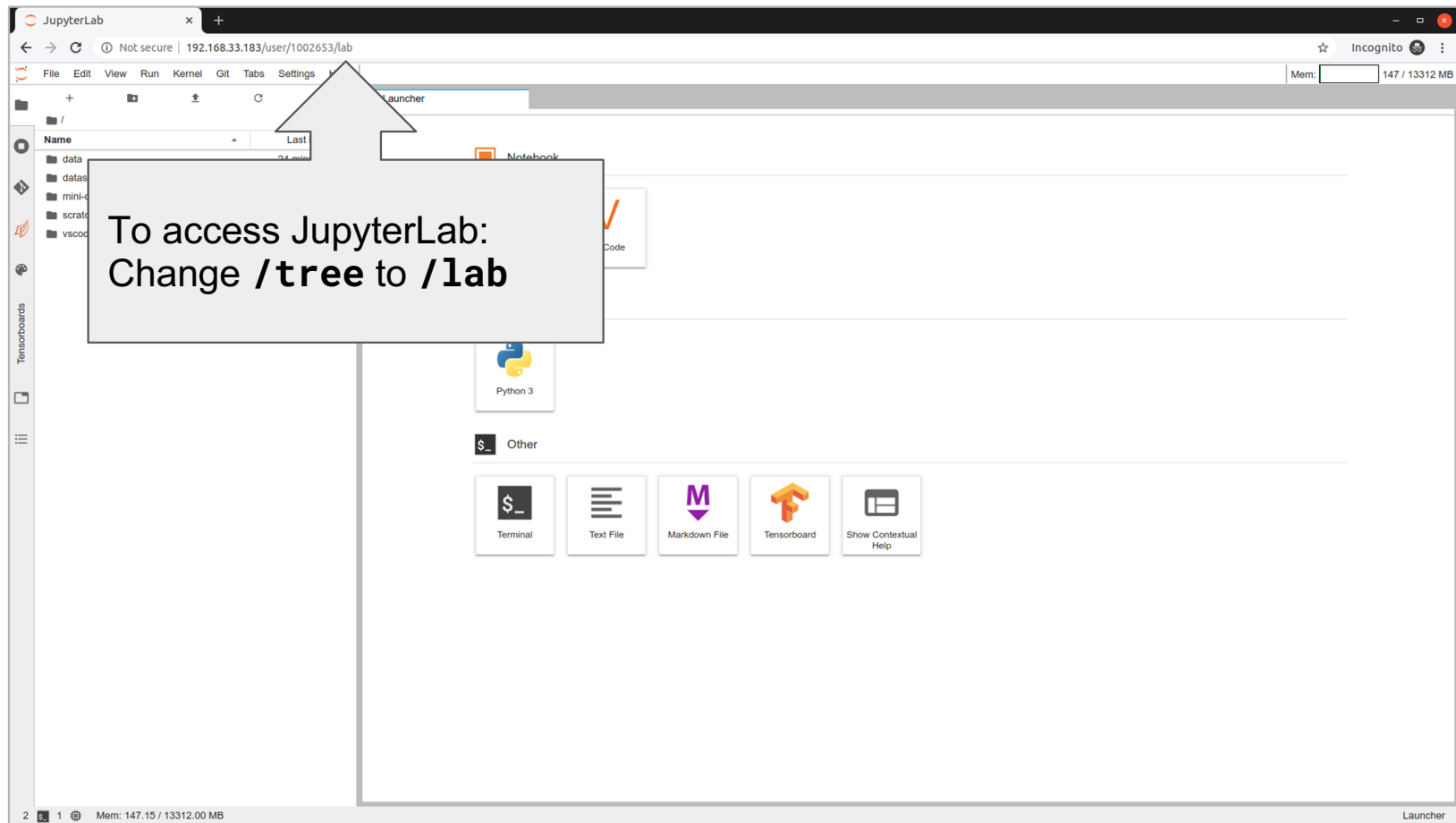
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Using the System



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Using the System



Usage Guidelines

- Most packages (eg. PyTorch, scikit-learn, OpenCV etc.) are already pre-installed and will use the GPU.
- Please terminate your instance after using.
 - **Idle instances (no user interaction) will be terminated after 1 hour**
- Use scratch storage for large file storage (e.g. weights, custom datasets)
- Watch your system RAM usage...
- System files are not persistent. If you modify system files, they will be reset. Only your home/scratch folders are preserved across sessions.
- **Any misuse will result in disciplinary action.**
E.g. mine bitcoin, attempts to break the system etc

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Helpdesk

All questions, technical issues etc:

Ask on Telegram group (<https://t.me/d12020helpdesk>)

Questions asked elsewhere will not be entertained.