

VSC login info

There are 30 nodes available and each of them is equipped with 2 GPUs (AMPERE-40).

Each node will be shared by 2 participants.

The unique ID (written on your badge) will be the key to figure out which node to use (and which of the 2 GPUs).

In the following an explicit example is given using the ID=59

A) once logged into your desktop computer, open a xterm (or some other terminal of your choice) and ssh-login to the VSC-3 login node using the trainee70 account (shared among all course participants)

ssh -tX trainee70@vmos.vsc.ac.at vsc3 (password provided by trainers in the room)

B) queue all current jobs of user trainee70 and examine the associated job-names (PAS00, PAS01, PAS02...) and look for that job-name that ends with your unique ID divided by 2 (integer division, so any remainder of 0.5 is thrown away). A handy alias to achieve this has been set up.

sqq PAS## e.g. for ID 59 the label to search for is PAS29, so the command is

sqq PAS29

--> sample output: 10006765 gpu_a40du PAS29 trainee7 R 2-00:22:34 1 n566-019

and the final item returned is the name of the node the user with ID 59 is supposed to use, n566-019 in particular.

C) ssh-login to the just identified GPU node

ssh -X n%%-%%% e.g. for the example above: **ssh -X n566-019**

D) go into your dedicated directory

cd §§ e.g. for ID 59: **cd 59**

E) load the basic modules

module load gcc/5.3 cuda/11.0.2

F) Select one of the 2 GPUs depending on your ID.

If your ID is an even number select GPU 0,

if your ID is odd, select GPU 1.

export CUDA_VISIBLE_DEVICES=? e.g. for ID 59 --> odd: **export CUDA_VISIBLE_DEVICES=1**

ENJOY :-)