Access to INFN-Pisa Computing Facilities

E. Mazzoni

January 28th, 2019

INFN-Pisa in numbers

- 100sqm room
- About 13000 cores used both for HTC and HPC
- 2PB of disk storage in one GPFS file-system
- More than 20 Grid VO supported
- More than 200 users geographically distributed accessing the site and using resources
- Tier2 for CMS and Belle2
- … but we are marginally using the facilities for CMSDAS, T2 work will continue as usual

CMSDAS Instructions

All instructions are in

➢ Wiki
https://twiki.cern.ch/twiki/bin/viewauth/CMS/SWGuideCMSDataAnalysisSchoolPisa2019PreExerciseSetup#Accessing_the_user_interfaces_at

➢ Save it for reference

Here we recall the main points

➢ Network access
➢ Login nodes
➢ Interactive resources

Network access

Wireless networks

- **INFN-Web** open network with captive portal, open a browser and login using credential obtained at registration
- **INFN-dot1x** WPA2 authenticated network only for INFN people (staff and associated)
- **eduroam** WPA2 authenticated network but it does not work with X509 certificates (i.e. CERN users)

Login node

General login machines are
➢ gridui1.pi.infn.it (INFN and CERN credentials)
➢ gridui2.pi.infn.it (INFN and CERN credentials)
➢ gridui3.pi.infn.it (INFN only credentials)

Login there is via
➢ Normal ssh also with X11 forwarding if needed
   x2go in case you need better performances X11 (See here)

These are just login machines, NOT the machines were you are supposed to work!!! See next slide

Interactive nodes

Facility dedicated to interactive activity
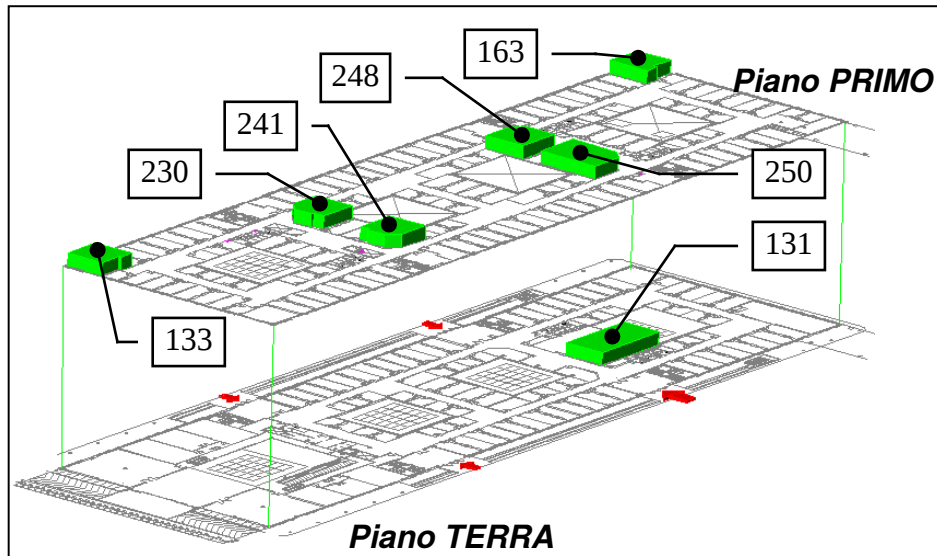
➢ From a UI you can get access to an interactive node via

<p style="text-align:center; color:red;">bsub -Is -q fai -a "docker-ver" /bin/bash</p>

Where **ver** could be **sl6** for ScientificLinux 6 environment or **cs7** for CentOS7

➢ This is opening to you a shell on a machine where you are guaranteed to have 1core with 2GB RAM

➢ X11 protocol is pass-trough, it just works no need of manual action

Logistic info

Useful information

- **Toilets** are available along main corridors
- Four **exits** are located along main corridors nearby meeting rooms
- In case of **emergency** meeting points are down stairs between buildings

Enjoy the school!