



Microteaching: Ixplus

Interactive computing

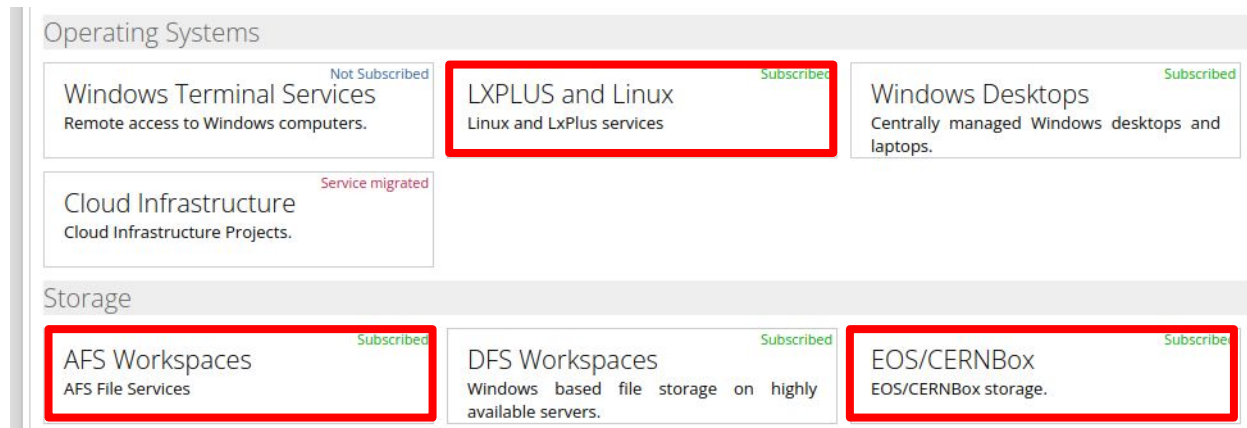
- Check <https://resources.web.cern.ch>

- LXPLUS service

- Cluster of public EL9 Linux machines
- ~100 virtual machines, regular resets
- Node: 30GB RAM, 10 GB swap, 8 CPUs
- Average of 27 users per node
- `ssh <username>@lxplus.cern.ch` connects to the “best” machine

- Shared, interactive system

- Fairshare mechanism
- <https://afs-console.cern.ch/cgi-scripts/>



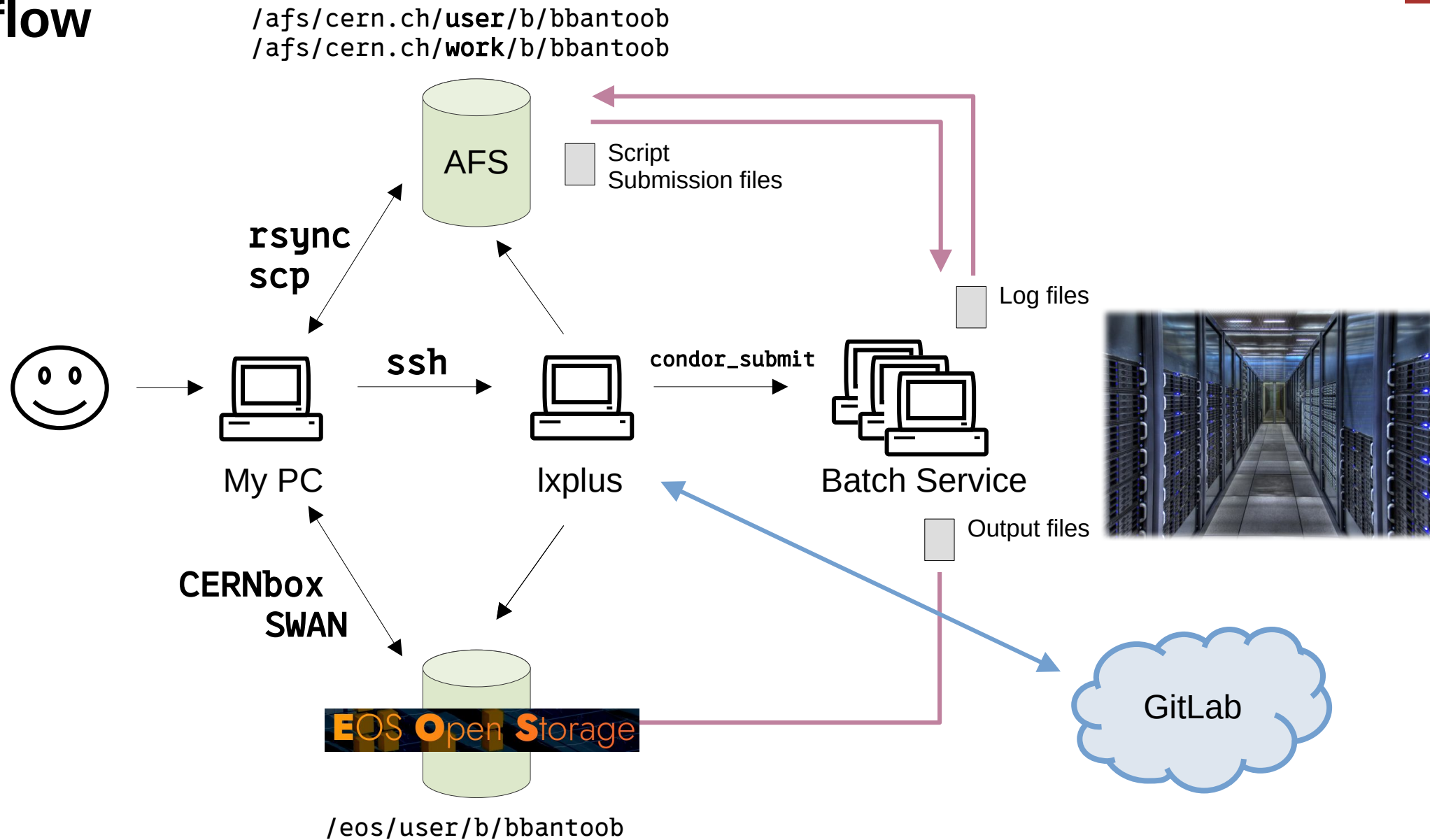
Welcome to lxplus939.cern.ch



Some well-meaning user



Ideal workflow



Useful links

- LXPLUS: <https://lxplusdoc.web.cern.ch/>
- SWAN: <https://swan.web.cern.ch/swan/>
- HTCondor: <https://batchdocs.web.cern.ch>
- SSH Tunneling (use lxtunnel.cern.ch instead of lxplus.cern.ch):
https://security.web.cern.ch/recommendations/en/ssh_tunneling.shtml

Backup