

A NAF primer ... and how to get you started for the tutorials

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What is the NAF?

- > NAF stands for "National Analysis Facility"
- > Facility means: Something where you can do real work
- > Analysis means: Analysing data taken in the Terascale Alliance ...
 - ATLAS, CMS, ILC, Belle, Hera-Legacy
- > National means: For people working in institutes in the Terascale Alliance
 - And for schools organized in this context
- > Basically: The NAF is a facility where **YOU** can do your analysis (and stuff around your analysis)



What is the NAF?

- > The NAF is located at DESY Hamburg and comprises
- > Some work-group-server to do interactive work, testing and development
- > A large batch cluster ... currently ~7000 CPU cores for the NAF (but not all for ATLAS, also CMS, ILC, BELLE, and some others using it)
 - Currently split as migration to HTCondor batch queueing system
- > Additional dCache storage
- > Dedicated fast filesystem



How to get an NAF account?

- > You work with ATLAS/CMS/ILC/Belle? You are member of a German institute (participating in the Terascale Alliance) ?
- > probably most of you can say "yes" now...
- > <https://naf-wiki.desy.de/GettingANafAccount>
- > If you never had a DESY account before, you will need a Grid certificate to register.
- > For school purposes, we created school accounts with limited validity
 - You should have gotten a piece of paper with personalized information.
- > You should create yourself a personal NAF account next week :-)



Accessing NAF school: 1) via ssh

- > Use ssh for text-oriented, small graphics and/or good connections
- > Everybody has a computer with an SSH client?
 - Linux: Konsole, terminal, xterm, whatever, and then ssh
 - OSX: Terminal (look under Applications -> Utilities) and then ssh
 - Windows: Putty (be aware that graphical applications will not work)
- > `ssh -Y schoolNN@naf-schoolMM.desy.de`
 - "-Y" : trusted X-Forwarding turned on
- > schoolNN is written on your piece of paper. Beware: NN is a two- digit *number*!
- > naf-schoolMM.desy.de is your preferred WGS. (01 to 06)
- > Can you read your password? Beware of 0/O , l/1 and other similar characters



Accessing NAF school: 2) via FastX

- > Graphics-oriented
- > Use your browser: <https://naf-schoolMM.desy.de:3443/>
- > **You must add an exception for the certificate**
- > Login using your schoolNN credentials
- > Start a new session using the “+” button
- > Chose XFCE (which is a lightweigth windows manager)
- > Enjoy!

