

NAF Introduction

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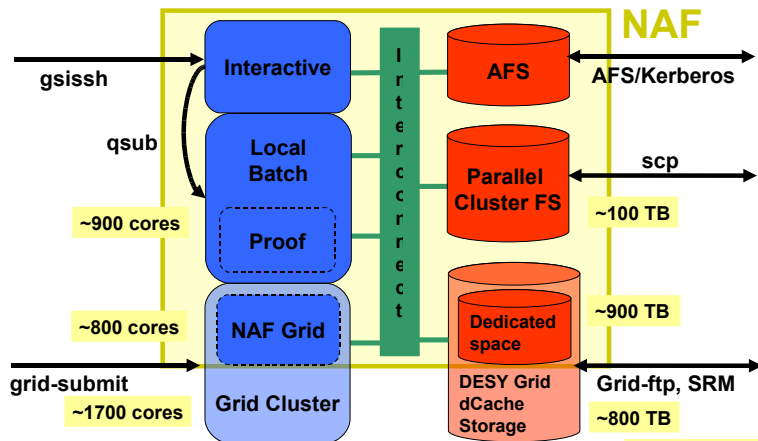
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Building blocks



Login and Support

Login

```
voms-proxy-init --voms cms -rfc  
gsissh cms.naf.desy.de
```

Support

- documentation:
<http://naf.desy.de>
- mailing lists:
 - naf-cms-users@desy.de
(CMS specific, all CMS NAF users)
 - naf-helpdesk@desy.de
(general problems)
- NUC: Carsten Hof, HS

Using AFS

Accessing CERN AFS from NAF

```
klog -principal <user> -c cern.ch
```

Accessing NAF AFS

```
voms-proxy-init --rfc  
/afs/naf.desy.de/products/scripts/naf_token <user>
```

Exercise:

Copy your *.globus* directory to your NAF home directory!

Storage

User space

- on dCache `dcache-se-cms.desy.de`:

`/pnfs/desy.de/cms/tier2/store/user/<your_username>`

- on Lustre

`/scratch/current/cms/user/<your_username>`

File name translation:

edmFileUtil translates logical filename to the physical file name:

```
edmFileUtil -d /store/user/stadie/bla/blubb.root  
dcap://dcache-ses-cms.desy.de//pnfs/desy.de/cms/  
tier2/store/user/stadie/bla/blubb.root
```

Open files from dCache in ROOT:

```
TFile *f = TFile::Open("dcap://dcache-ses-cms.desy.de/  
pnfs/desy.de/cms/tier2/store/user/stadie/bla/blubb.root");
```