



25th March 2024

S.Jiggins on behalf of the ATLAS VO (DESY)





\rightarrow Last NUC meeting on 21/11/23 – see link here

Key items for ATLAS VO side following said meeting:

1) Centos7 \rightarrow EL9 migration (RHEL 9 decided) planned by 30.06.2024

Staged deployment is key here to allow users to test. Aware that there is a 2x56 Core machine (Htcondor23) that is setup with EL9. Having a VO access point to start testing is key moving forward.

EL9 already standard OS for ATLAS CERN lxplus access working points. There are some issues but if we roll out test beds asap we can ensure a smooth transition



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4) MFA implementation for Jupyter, FastX, & NAF

Notifying ATLAS VO community both **internally** & **externally** was largely successful \rightarrow I am aware of no major issues on said day of people being locked out

External ATLAS VO members using NAF adopted the smartphone approach

External ATLAS VO members can setup yubikey, but must create a VPN/ssh tunnel before hand and setup MFA for DESY registry via email/text:

- *I)* Setup VPN/ssh tunnel for browser see instructions here
- II) Then run yubikey setup here, which now works when using VPN/tunnel



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5) Confluence deprecation and migration to xTwiki status?

This is actually a significant problem as the internal static pages: https://naf.desy.de/ https://bird.desy.de/ https://grid.desy.de/ Are not easily visible via external members should they not use their DESY email much

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6) Configurable Jupyter notebook node resources

ATLAS VO does not really use Jupyter notebooks for heavy data analysis work but the evolving requirements of libraries for data science are starting to approach the current 8-10GB setup



ATLAS Docker Hub Repos: atlas-centos7-os Accessible via cvmfs I believe

CERN CentOS7: Docker Images

Stephen Jiggins

Recent Issues

→ **File Transfer** via SFTP protocol:

SSHFS command works for mounting drives locally

SFTP command does not work apparently for some users for file transfer. Strange given common sftp protocol with sshfs

→ Internal DESY Network Single OTP sign-on does not function?

Some missunderstanding that if connected to internal ethernet then you would not need the OTP every login? → Kerberos tickets/tokens with internal DESY network connection does not need OTP everytime? However seems that the configuring kerberos tickets on Linuz & Mac systems varies a lot and yields different results:

→ NAF Instructions: https://wiki.desy.de/confluence/IS/238055964.html

→ CERN Instructions: https://linux.web.cern.ch/docs/kerberos-access/

CERN lxplus instructions seem to actually more consistently work, but Mac still problematic.

\rightarrow NAF usage statistics have proven useful in finding 'poorly' configured jobs due to reduced NAF throughput:

 \rightarrow In February large fraction of CPU nodes seemingly dropped out of the system ~ 25-30%

 \rightarrow Ticket raised outlined that the jobs were running but the nodes only appeared to be absent

- → Overally aggressive requirements of user jobs resulted in this issue
- → What was the rough parameters of the jobs that caused this issue?

→ There are several key conferences: March = Moriond June/July = ICHEP September = EPS that are often time pressured

 \rightarrow Can we expand NAF health status reporting with more usage statistics?

NAF users at DESY NAF users at German Institute NAF users not in a German institute?





