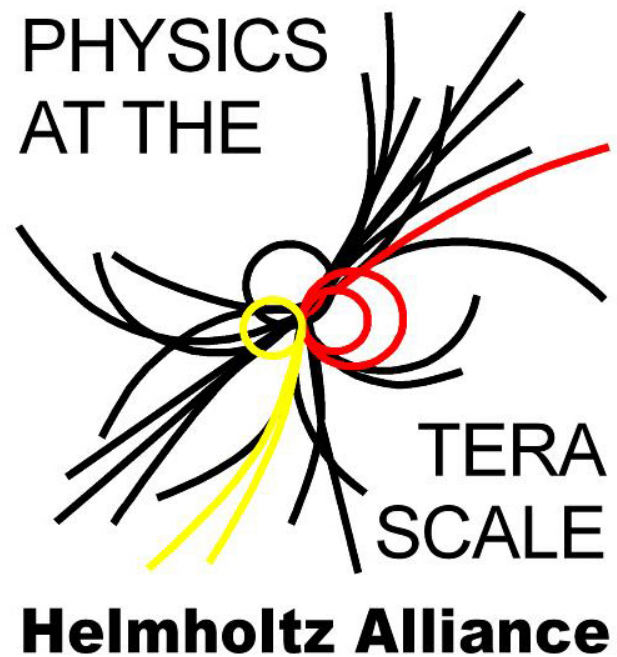


NAF Status Report



[Andreas Haupt](#), [Yves Kemp](#)
NUC, 13.2.2013

Problems last month

- > /tmp filled by jobs with excessive log level of one user
- > Network problems due to routing changes affecting inter-NAF traffic and some other connections in NAF context
 - Same DFN work as explained last NUC



NAF 1.0 status

- > SL 5.9 available for testing – tcx168
 - Please test, would like to deploy this rather soon (25.2.)
 - No big impact expected
 - RHEL 5. 9 is the last minor release in “Production Phase 1”. No software enhancements beyond this version, support for new hardware limited in future – applies to SL also
- > Two new blade enclosures added to resources in HH
- > Downtime needed
 - Need ~1/2 day for firmware update in 10 Gbit infrastructure in HH: Lustre, some dCache server, Sonas, ...
 - Plan: Put this together with Sonas maintenance
 - Plan: 11.3. preparatory work with Sonas (online)
 - 12.3. starting 9:00: Working on 10 Gbit infrastructure and Sonas – bring everything back online again latest by 18:00 (hopefully earlier)
 - Some other small work needed (e.g. one AFS server needs short HW intervention)



NAF 1.0 - observation

- > One user was sending jobs to batch farm which connected with official job submission framework
- > Jobs by people landed on WNs that would otherwise not be allowed on the NAF
- > This is a violation of the DESY computing rules as well as NAF mission
- > In NAF 1.0, users did not sign the DESY computing rules. We plan to change this for NAF 2.0 (at least digital signature)
- > Thanks to VO representative, jobs have stopped



NAF 2.0 Status

- > Talk in the DESY DV seminar on 11.2.
 - For those that did not attend: Slide are here: <http://www.desy.de/dvsem/WS1213/>
 - Very well attended – interest beyond LHC and ILC/Calice community
- > Support for new HEP communities
 - Belle and Herafitter
 - HERA people potentially also interested
 - Will keep an eye on hardware utilization – and suggest some form of “buy-in” of these new groups
- > CMS Distributed Analysis School in January took place on NAF 2.0
 - Worked quite well
 - Good test for NAF 2.0
 - Important to show that NAF 2.0 is very well suited to serve as a basis for schools – much better than the NAF 1.0 setup



NAF 2.0: Getting access and accounts

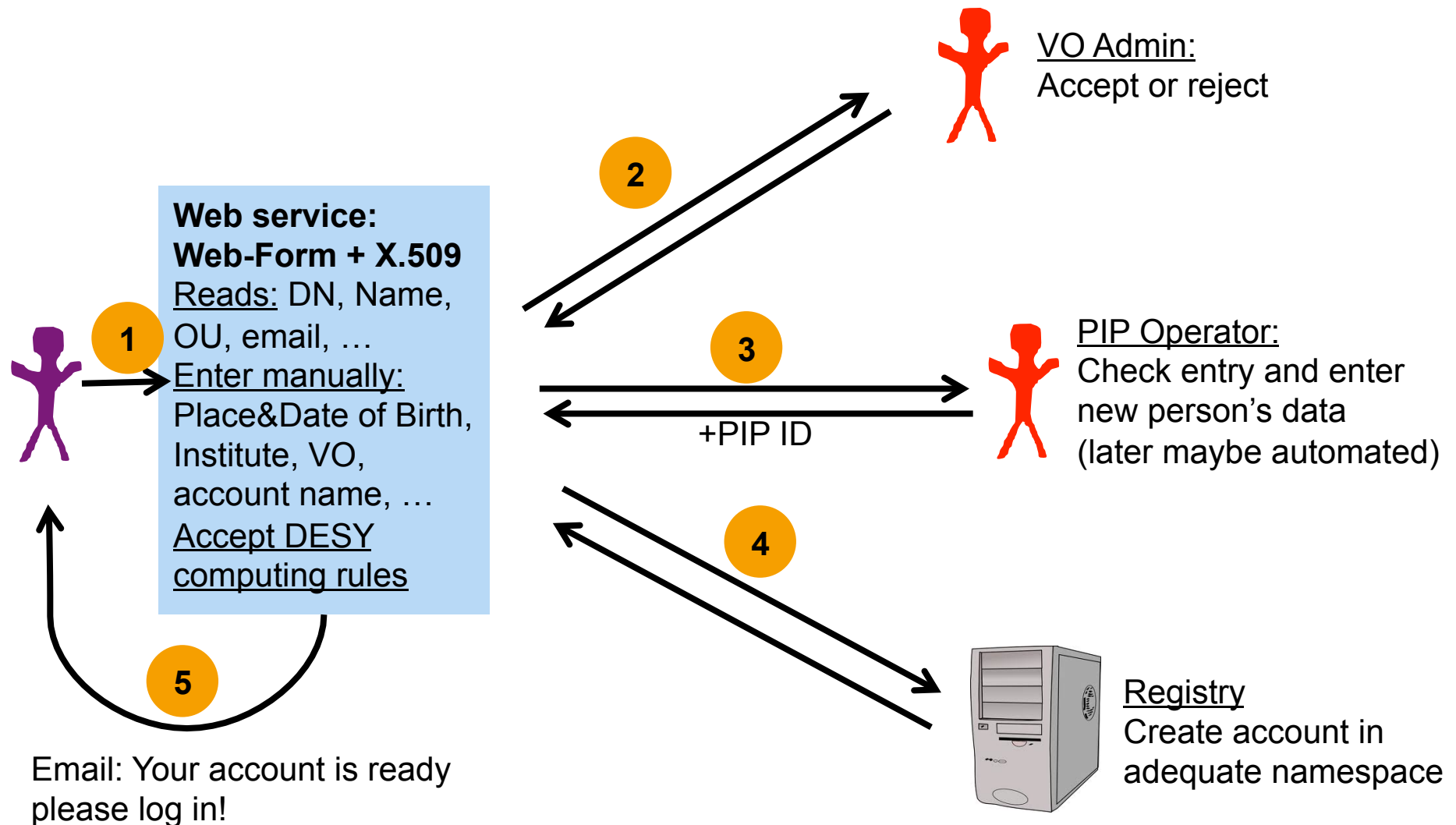
- > People need to be known by DESY as persons
- > Need an entry in the PIP / PersonenInformationsPool
- > Then only an account can be created in “normal” DESY

- > DESY people (and Uni-HH and Humboldt and other befriended instituts) that now have real DESY accounts also are known in PIP
 - Just need additional resource “batch” in the registry

- > ... how do external people get into PIP / get an account?
- > ... and how are these people organized within the DESY registry?



NAF 2.0: Getting into PIP / Registry



Status: Getting into PIP / Registry

- > Workflow mostly cleared
 - Details like initial password management still need to be cleared

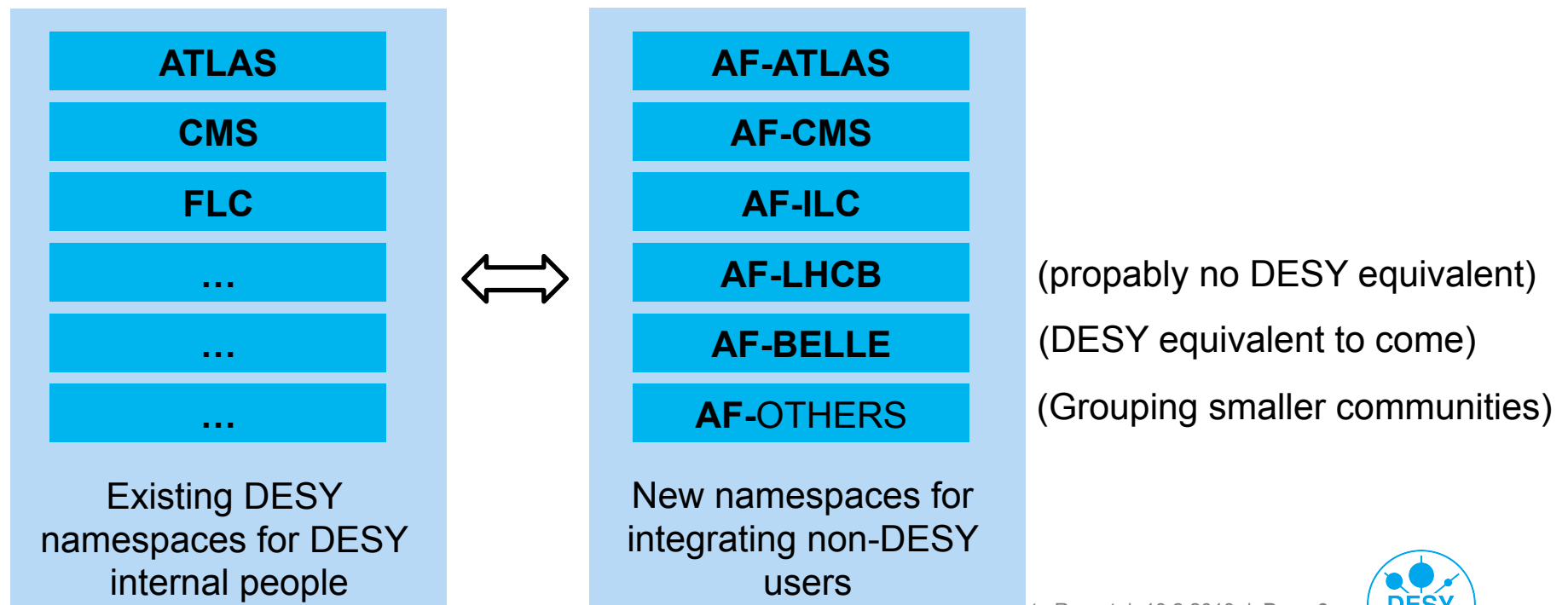
- > Workflow now being implemented
 - Expect a first sketch by the end of this month

- > With this sketch try out the whole chain
 - PIP operator is not in IT hands ...



NAF 2.0: Organization of internal vs. external people

- > Background: Need possibility to separate internal DESY people from external people
 - E.g. for special resource access (bastion)
 - E.g. for internal data access protection (group wiki, group AFS, ...)
 - Also needed for making accounting easier
- > The DESY registry has the concept of Namespace



Status of new namespaces

- > Naming scheme is approved
- > Will be created when web interface is more advances
 - Then also the integration into the resources will be done
 - Some preparatory work on platform adapters still needed
- > A namespace needs namespace supervisors and administrators:
 - Probably for the larger ones the current DESY people play the role also for equivalent external namespace
 - We expect less work and intervention for the external namespaces
 - For AF-OTHERS, probably IT will play the role of namespace supervisor and administrator



Sonas news:

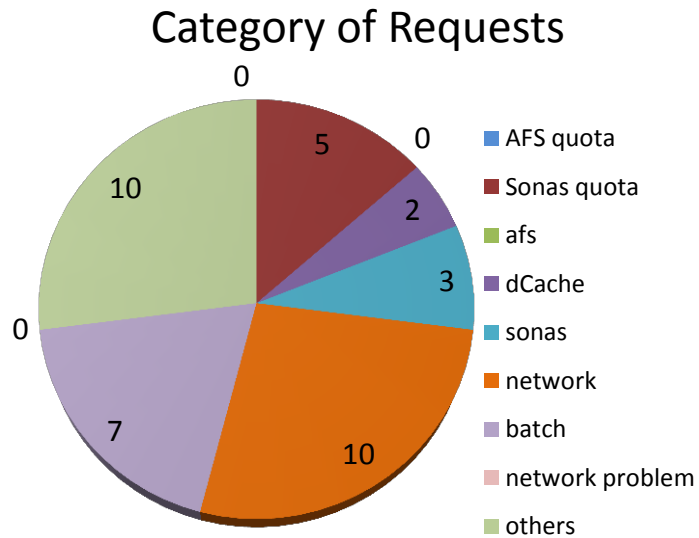
- > Quota management tool for VO admins approaching final stage
 - Including overview of “total assigned” and “maximum allowed”

- > Current status of assigned quotas:
 - Usage well below allowed maximum (computed according to Lustr share + increase)
 - Total assigned quota is very close to allowed maximum for ATLAS. How to handle?
 - 1) No overcommitment: No more quota increase if “Total assigned” == “Maximum”
 - 2) Overcommitment factor to be defined – But error if “total usage” > “Maximum”
 - 3) Some other idea?

VO	Total usage	Total assigned	Maximum allowed
ATLAS	69,7 TB	290 TB	295,7 TB
CMS	36,5 TB	161 TB	228 TB
ILC	17 TB	62,5 TB	92,4 TB



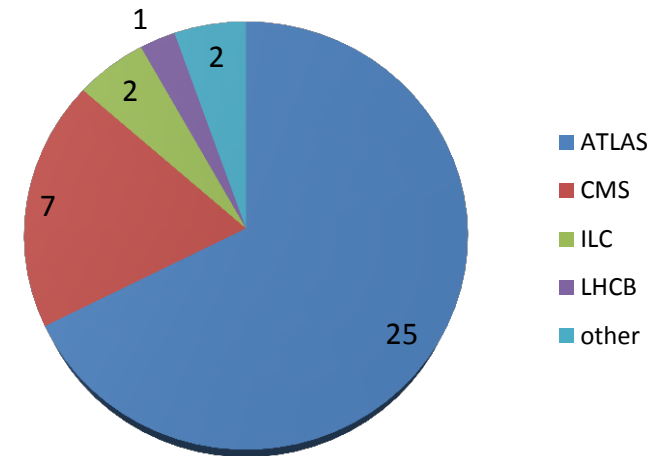
Naf-helpdesk@desy.de (Jan 1st- Jan 31st 2013)



37 tickets in total

Many different requests + some network/routing problems

Requests by Experiment



Date/Category of Requests

