

Recap – AFS phaseout @ CERN

- Driven by slow demise of upstream project
- No “hard” deadline but expect to finalize in LS2 (~4Q2018)
- Docs:
 - <https://twiki.cern.ch/twiki/bin/view/IT/AfsPhaseout>
 - <https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/AtlasAFSPHaseOut>

2017 plans – EOS

- Known problems:
 - Number of files per instance (AFS: 3.5**B**) → new EOS namespace, ETA **3Q**2017
 - “Small file” performance (create: untar, compile) → EOSFUSE rewrite, ETA **2Q**2017
- Also:
 - Roll-out of “citrine” EOS branch
 - Upgrade to CC7

EOS @ external sites?

(question from Ale)

- EOS is freely available, GPLv3. <http://cern.ch/eos>
- Several external sites have installed EOS
- Happy to hear about bugs, hoping to build a user community (→ eos-community@cern.ch , 2017-02-02/3: CERN EOS workshop)
- CERN provides some support to get EOS up and running,
 - Install scripts from OpenLab/Comtrade
 - Can discuss feasibility upfront (min. size, hardware etc)

Recap 2016 AFS phaseout - “easy”

- Targets:
 - Software → CVMFS
 - Websites → EOSWEB (set up, start)
 - FUSE access for PLUS & BATCH
- Start on `/project` migration
 - <https://its.cern.ch/jira/browse/NOAFS>

2017 – external AFS disconnection test

- **2017-02-15 09:00 CET ; 24h ; ITSSB entry**
- Goals: flush unknown AFS dependencies + create awareness
 - Experiment setup - still refer to CERN AFS?
 - Site setup:
 - prefer AFS over CVMFS?
 - `/afs/cern.ch` user homedirectories ? Talk to us. Before.
 - User setup:
 - Prefer AFS over CMFS, EOS?
 - (Nudge towards alternatives)
- Will repeat, will eventually close completely (early if security issues)

Please:
Triage & ticket

2017 plans – AFS “harder stuff”

- (continue with 2016)
 - Project migrations
 - Actually remove software from AFS (ATLAS problem: CMT nightlies)
 - Webspaces migration (also for user pages) – ATLAS Website(s)?
- **/work:**
 - 2Q2017: Stop self-service, create via tickets (justification? things not working on EOS)
 - 4Q2017: no longer create AFS workspaces (per-experiment decision), start migration
- **/user:** groundwork for later \$HOME
 - Split “UNIX” account from “AFS account
 - Allow non-AFS homedirectories in LDAP
- “HEPIX scripts” - ATLAS: take from CVMFS?