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# Infrastructure Status

- No new sites this week.
- UCSD, Caltech, Nebraska, Wisconsin, Purdue have all tests functional.
- Stability issues at Purdue and Wisconsin - libdcap related.
- Progressed on making availability reports (not automated). For example UCSD's availability in the last 7 days is 99.957%

# Action Item Status

1. UCSD UAF cluster.
  - ◆ MF: 4 uaf [3-6] machines up and running.
    - ◇ There is an issue with leaking of file-descriptors (ulimit is 2048, which is low for xrootd standards). It seems it affects all (hadoop?) sites.
    - ◇ In the process of setting up a secondary master on xrootd.t2.ucsd.edu.
    - ◇ I guess UCSD is ready to switch into production mode.
2. Improved service monitoring (missing tests, alerts).
  - ◆ MF: tried setting up nagios alert emails twice - and failed. Heh ... it seems it is just cern spamfilter.
3. Clarify plans for JobRobot with Andrea Sciaba.
  - ◆ Some emails back and forth. Mostly stalled.
4. Fix dcap deadlock issues. Done. Submitted back to dcache.org. Will be following up with code reviews. If the patch holds up, will do a release of libdcap.
  - ◆ BB: Additional issue found, also submitted. dcap is a problematic library: no surprise there. Improved libdcap is in Koji.
5. CMSW TTreeCache management for 4\_2\_0. Done; appeared in 4\_2\_0\_pre3.
  - ◆ BB: new ROOT plus CMS files are having nasty memory issues. Have been spending time trying to salvage the situation.
6. Upgrade release to 3.0.2; test cmsd throttling from Andy.
  - ◆ BB: 3.0.3 pre-release is available in Koji. Not tested yet.
7. Update project webpages: remove references to demonstrator, add information about architecture we're working on deploying.
  - ◆ BB: Done. Next week, we ought to review the user documentation.
8. Continue Monalisa monitoring investigation.
  - ◆ MF: Installed ML repo on xrootd.t2.ucsd.edu.
    - ◇ The aggregator / service was running already before, group-name xrootd\_cms (if you want to look with a ML client [http://monalisa.caltech.edu/ml\\_client/MonaLisaNo3D.jnlp](http://monalisa.caltech.edu/ml_client/MonaLisaNo3D.jnlp))
    - ◇ I installed also "host monitoring" sensor from ML team on uaf-[3-6]. It's independent java process, taking 40-100MB.
    - ◇ Expect to add first plots to web front-end soon, it is empty/bare now (<http://xrootd.t2.ucsd.edu/>) -- but I changed the logo 😊
    - ◇ Should point other xrootd servers to send monitoring data to UCSD.
9. Converting a physicist's analysis to use Xrootd.
  - ◆ Verify Ken Bloom and Aaron Dominguez can use Xrootd on his laptop.
  - ◆ MF: No news from my side here.
  - ◆ BB: No news from me. Carry over to next week.

# Items for next week

1. JobRobot progress.
  2. Progress with local physicists.
  3. Setup a local redirector at UCSD.
  4. Test out the Xrootd 3.0.3 throttling.
  5. Get dCache sites upgraded to new version of libdcap.
  6. Improve the ML webpages.
  7. Make public per-site Nagios pages.
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