

9/11/07 9:30AM
* 2007.09.11

** Releases

Steve built a new version of cx_Oracle and added it to sam_dbserver_package. (Is latest version released by developers). We think this will fix a bug that was reported in the previous version where it would crash under heavy load. Built for Python 2.5 (non-Solaris) and 2.4 for Solaris (for other projects). This should go into the next release.

DB Server: Waiting in the wings: the last of the retired stuff. Randolph will add the naming conventions for datasets (can use the code that Steve wrote) -- this will prevent dataset names with evil characters. Release will be made today or tomorrow -- this release has a idl change (is a constant), so not a trivial release.

Robert is working on improving DH Get Lite -- old version could release a file before it got copied (Mike Diesburg had this problem). New version will lock file until transfer is complete. Robert removed non-understood code. Will see if it matters.

Angela has new version of fcp - has multiple queues. Angela has tested everything except for multiple users. Will test on Clued0 first (needs to be upd installed). Should be about ready to deploy, pending more testing.

** DB
See mail

Will analyze SAM schema every quarter.

** CDF
See mail

User (from U. Chicago) tried to the cdf-caf for off site downloading, but the station is not set up for that.

Run "samadmin remove station file ..." to remove a file BEFORE you remove the file from the database! The station must be up and running for this to work. On a SAM managed cache, the file will be deleted. On dCache managed, it will cause the station to "forget" the file.

NOTE: The farm station should be restated NOW to resolve DB inconsistency.

dCache problem on fcdldata316 may be solved by a patch from the DESY team (was looked at from CHEP). [Too many open problem files problem - see enstore/dCache report].

Rick St. D. -- needs the ability to do "sam get dataset" from any site. Can be solved by installing sam_cp in the CDF software distribution. Robert: The new "sam get dataset" in the latest client has been improved (in 8.2.2) and could perhaps work [but 8.2.2 is not released yet].

** DØ
No mail

Cabsrv2 station failed because PBS log files filled up the disk. That has been traced to the SAMGrid problem where stale Condor jobs cause high rate polling to PBS, leaving log file bits. Area was cleaned up, but underlying cause has not been fixed. Related to the problem of high number of connections between forwarding node and PBS node (d0cabsrv2). Perhaps solution is to remove during a downtime. Or increase the polling interval (so it takes longer to fill disk).

*** MINOS
See mail

*** Enstore/dCache
For CDF, do next downtime at next power failure.

STKen updates were already done to d0en and cdfen.

SAM Notes

1 message

Anil Kumar <akumar@fnal.gov>

Tue, Sep 11, 2007 at 8:03 AM

To: sam-design@fnal.gov

D0 :

- SAM cut v6_10 on d0ofdev1 - To add composite index on lower(file_name) and retired_date

- v6_4 index on create_date of data_files against d0ofdev1 done

- Service Request with Oracle on Full table scan Vs Index scan on data_files_param_values.
Development is working on Bug Fix. Bug# 5601578 No time estimate yet for bug fix.
SAR# 5837876.993

Alerts :

Tablespace [OPERATIONAL_IDX_01] is [80 percent] full

Action: Added 8GB to OPERATIONAL_IDX_01

CDF :

- Scheduling a downtime this Thursday 09/13/2007 for cdfofdev/cdfoint1 database to replace one of CPUs on fcdfora1. Also
upgrade the databases to [10.2.0.3](#)

Alerts:

MINOS :

- DIMMS were replaced in attempt to fix the CPU warnings on Aug 28. Seems like it fixed the CPU warnings.

- v6_4 index on create_date of data_files against minosdev - done

CDF report

1 message

Thomas Kuhr <Thomas.Kuhr@ekp.uni-karlsruhe.de>

Tue, Sep 11, 2007 at 6:50 AM

To: sam-design@fnal.gov

Here's the CDF SAM shift report:

- dcache/enstore upgrade and DB maintenance on Tuesday. Nodes below fcdldata094 retired from dcache.
- Pools on fcdldata316 moved to ReadOnlyPools group.
- Few tape access problems. IAD203 is marked readonly because of unusual errors.
- A user tried to download files to a remote site via the cdf-caf station, but the dccp to a remote site does not work.
- Several auto mails about missing files on the farm station:
09/10/07 22:31:47 cdf-fncdfsrv0.SM.FileUncachedInDBTimer 17501: Warning, will ignore CachedFileNotFound exception for CFID 24150177:
Cached file with id '24150177' not found.

Cheers,

Thomas

Minos status 2007 Sep 11

1 message

Arthur Kreymer <kreymer@fnal.gov>

Tue, Sep 11, 2007 at 9:07 AM

To: sam-design@fnal.gov

Cc: minos_sam_admin@fnal.gov

Minos status 2007 Sep 11

General -

Kreymer was on vacation last week.

Preparing for Minos Collaboration meeting Sep 27-30

Enstore -

DCache -

Slow ROOT DCache reads in root >= 5.12
dCache 1.7.0-39 claims to provide vector I/O, installed on FNDCA
pcanal provided tuning advice. there may be large startup overheads.
Still investigating.

SAM -

IT 1894 Need 'sam locate' in C++ API
Users really need this feature.

Oracle -

minosora3 memory problems which started in April were solved
by replacing the memory on 28 August

OPEN ISSUES

IT 1894: sam locate via C++ api, for simple client needs
IT 1979: Compiler warnings from sam_cpp_api
IT 2071: quadratic project startup time growth (from Nov 1 2005)

PLAN -

Migration to 9940B tape can proceed anytime - when ?
Update Minos dbservers and clients to v8
