

## Minutes from the REX operations meeting 5 August 2008

### Releases:

No new releases. Expect sam\_db\_srv\_pkg v8\_5\_1 soon. Add db performance improvements.

Available in kits: omniORB based version of sam\_station (v8\_5\_0\_beta1). For testing only.

### CDF:

here's the CDF report:

- Monday last week at about 5:30pm a new pool configuration was installed that prohibited file restores. Fixed on Tuesday morning by reloading the old configuration.

- On Wednesday at 1am SAM stopped working because the offline database rejected all connections ("maximum number of sessions exceeded") due to a hardware issue. Fixed on Wednesday morning.

*System consecutively lost both paths to Clarion disk array. No root cause known yet.*

- On Wednesday the DB browser crashed and caused the MC upload to fail. Fixed by Angela.

- On Saturday morning fcdldata108 went down. Revived on Monday morning.

- Also on Saturday morning two movers died (LTO3\_10 and LTO3\_27) and two tapes (IAD598 and IAB946, containing jpm0j data) went into noaccess state. It caused many encp errors because a user was running over the jpm0j dataset. LTO3\_10 was brought back during the weekend. The other issues were fixed on Monday afternoon.

- On Monday morning a local disk on the dCache node fcdldata098 failed with I/O errors.

Cheers,

Thomas

### D0:

Shift Notes:

\*No shifter manned at all last weekend (Aug1-3).

\*July 29: Due to major problem with Dzero database ==> SAM Dataset definition editor was disabled.

*See Anil's report below.*

\*July 30: SAM At a Glance was off as well.

\*July 31: Planned 2-3 interruptions to d0ofprd1 database and d0ora2 systems but was CANCELLED due to sudden

improvement in the database observed.

--- Dataset Def. Editor and SAMAtaGlance was turned back on on July 31, 2008

Recently unresolved issues (not many left in the last week at the time of writing):

DZSAM-201: "MC merge jobs fail at MWT2-IU" --- new issue/complaint this afternoon.

DZSAM-54 : latest from Willem: "Job submission to LCG via lcgrb01.gridpp.rl.ac.uk is still failing".

### Minos:

Minos status 2008 Aug 05

General

BlueArc has been stable, no failures since the July 3 downtime.

Enstore -

DCache -

SAM -

Continuing to run  
sam\_db\_srv\_pkg v8\_4\_5  
sam\_station v6\_0\_5\_24\_srm

Oracle -

#### OPEN ISSUES

IT 1146: cannot test existence of sam tape location  
IT 2071: quadratic project startup time growth

PLAN -

#### DB:

Announcement:

- Database Security patch was released July 16, 2008. Planning to deploy on databases.

*Done on D0 int & prd & Minos.*

D0 :

- Scheduling the DB security patch on d0ofint1 and d0ofprd1 for Aug 05, 2008

Alert(S):

Information for: d0ofprd1

Owner Object	Type	Extents Used	Extents Allocated	Extents Left
SAMPRD FI_FT_FK_I	INDEX	416	420	4

Action: Increased the maxextents to 1000

- Slow performance on d0ofprd1 Starting 07/28 until 07/30  
Analysis of SAM schema resolved the issue.  
Now SAM schema will be analyzed every month versus every quarter

CDF :

- Hardware failure for cdffoffline host node on July 30 at 00:53AM.  
Both Paths to clariion array died along with access to the luns.  
System was backup on 07/30/2008 10:05AM  
[http://www-css.fnal.gov/dsg/internal/root\\_cause\\_analysis/cdffofprd/root\\_cause\\_july\\_30\\_2008.html](http://www-css.fnal.gov/dsg/internal/root_cause_analysis/cdffofprd/root_cause_july_30_2008.html)

- Need to schedule DB security patches on cdffofdev, cdffofint and cdffofprd databases.

Alert(s):

MINOS:

Alert(s):