

EXECUTIVE SUMMARY

- Young Minos issues:
 - delayed minos54 as replica database, using for Condor scheduler
 - Condor 7.4 upgrade Jul 26 allows Grid scaling to 5000 jobs
- FermiMail (IMAP) migration this summer – this Fall ?
- SLF5 migration – all but minos25 (Condor), minos27(build)
- Bluearc issues - 40 more Tbytes deployed
- Planned outages – Oct 15 (Sat power outage) and Oct 20 (reboots ?)
- Control Room - System Management by FEF coming - CD DocDB 4430
- Group accounts moved to /minos/app/home/
- A 'guest' wireless network is still coming soon, no scanning (a toxic pool)
- Computing MOU with FNAL is drafted and reformatted
- Many Redmine WIKIs at <https://cdcvs.fnal.gov/redmine/projects/minos>

GRID

- Upgraded to Condor 7.4 July 26 supported by Dennis Box (REX)
- CPN - 8.4 million locks served to Minos (1.2 M NovA, 2.2M MNV)
- Will start preparing to use shared jobsub scripts
 - /grid/fermiapp/common/condor
 - Will give us access to about 100 GPCF batch slots
- Should start using the 'bestman' Bluearc FTP server for MC import.
 - UT Austin will pioneer this

DATA handling

- Moved group account mindata,minfarm,minsoft to /minos/app/home/
- SAM project news and developments
 - SAM web interface (replace and extend old prototype used by UK
 - SAM file system view of metadata
- Is anyone still using SAM Projects ? Shall we retire the Sam Station ?
- REX reorganized
 - Had Operations and Development groups
 - Now have Data and Grid groups

Enstore/DCache

- Enstore/DCache upgrade to 1.9.5-28
 - Allow DAQ pools rebalancing to proceed
 - Reenabled MGET in the FTP server
- Pinning raw data files in Dcache pools, to limit tape access
- Administrators consolidated old tapes (cedar era)
- REX is testing new 'Chimera' interface to Dcache (NFS 4.1)

NUCOMP

- REX took over Condor support from Ryan Patterson July 26
- We should test using shared 'jobsub' script
- REX working to make output files owned by user, not minosana
 - Have deployed FTP servers, we should test this
- Still need improved management of condor-exec and condor-tmp
- IF Beam monitoring deployed for testing (NovA era beam monitoring)
 - Running in parallel
 - <http://dbweb3.fnal.gov:8080/ifbeam/app/Dash/index>
 - Big Green Button prototype implemented
 - <http://dbweb3.fnal.gov:8080/ifbeam/app/monitor>
 - http://dbweb3.fnal.gov:8080/ifbeam/app/monitor_single_event?event=e,a9

FERMIMAIL

- http://computing.fnal.gov/xms/Services/Getting_Services/FermiMail
- Exchange 2010 IMAP server (not Exchange 2007)
- good browser and imap client compatibility
- Claimed excellent webmail interface
- Exchange 2007 migration delayed July → Oct (from email.fnal.gov)
- Imap1/2/3 will follow

GPCF

- gpsn01 – shared Grid submission node is available for gpcf submissions
- Moving to FCC sometime after Oct power outage (November-ish)
 - Scheduled discussed in Oct NuCOMP meeting
- minos-slf5 = minosgpvm01 runs SLF 5.5 , give it a try !
- minos-slf4 = minosgpvm02 runs SLF 4.7 32 bit kernel
 - Until 2/2/2012 when SLF4 loses security updates

Minos Servers

- minos54 will be set up as our Mysql replica for Farm and others
 - Much faster than minos-mysql1, which we have shut down
 - Will abandon dbmauto for farm replica, use standard Mysql replication
 - Delayed for some months, until we get GPCF VM's for Condor mangement.
- SLF5 migration
 - minos50/51 upgraded June 16
 - minos-sam04 upgraded Sep 15 (IF SAM servers)
 - minos25 (condor master) scheduled Oct 20
 - minos27 (code build) will be last
 - minos-slf4 available long term for fallback and testing until 2/2/2012

Control Room

- System Management – to be assumed by FEF in place of John Urish
 - As has been done in NovA
 - Detailed agreement is CD DocDB 4430
 - No major changes expected
- ReMote Shift (RMS)
 - Will install in our control room, to replace AFS
 - The policy for remote shifts is in the checklists now
 - See the MINOS/RMS Redmine WIKI

Near Detector Task Force

- Minerva participation is led by Trung Le
 - Calibration
 - Batch processing – Laura Fields working on this
 - Data Quality – talking to experts, working on this
 - Data Handling
 - Simulation
 - Code maintenance
 - and more – we are just getting started