EXECUTIVE SUMMARY

Young Minos issues – nearly everything !

- Minos Computing Review (this session)

- Feb 26 SPPM resource request for FY16 – in line with previous plans

- TSW draft is being edited (new name for the MOU)

- Retire minos_jobsub Feb 23 (small temporary interactive remnant)

- Retire CPN for ifdh cp, with compatibility wrapper for batch

- Retire minos25,27,50-54 – replace with VMs

- Deploying CVMFS for OSG/XSDE/LOCAL– pending minos.opensciencegrid.org server

- /minos/data grid dismount can proceed now, shift from cpn to ifdh cp

- Production Support group is running our jobs

- Calibration – Minerva participation, move to minoscal account

Lesser issues :

- Cryptocard support went away mid-October, due to Kerberos upgrades

- FermiGrid moved to SLF6 by Oct 2014 – no major issues

- Service Now – I will be surveying users for needs and gripes

GRID

- New jobsub_client architecture, merging minos25/54 and gpsn01 functions

    - See https://cdcvs.fnal.gov/redmine/projects/batch/wiki/HAJOBSUB

    - Used by Minos Production and Calibration and most analysis

    - Will soon support submission from group account

        - Production has certificiate, is ready

        - Calibration should do likewise once this is tested

    - Will soon support running under your own UID at Fermilab

- Disable minos_jobsub -g next week, 2015 Feb 23

    - Keep local batch best-effort until jobsub_client runs with UID

- CVMFS - minos.opensciencegrid.org will soon be available

    - Ashley is practicing using /cvmfs/minoscfs.fnal.gov

    - Adding /cvmfs to Minos VM servers

    - Need to deploy and configure a new ups to handle the new path

DATA handling - SAM

- SAMWEB is deployed for Minos

  - A web services SAM server, command line and URL access

  - Heavily in use in Minerva and NOvA

  - We are migrating to this from traditional sam

  - Examples soon https://cdcvs.fnal.gov/redmine/projects/minos/wiki/SAM-LIST

  - Can deploy by unwinding tarfile and running samweb binary directly

- SAM will migrate from Oracle to Postgresql database by Nov 2014

  - For cost savings, portability, and performance

- Minos migration

  - Batch group is mostly converted

  - We need to fix about 5 Predator and Roundup scripts

DATA handling - Bluearc

- Bluearc overloads are back with a vengeance

    - /minos/data goes readonly on Minos servers, auto remounts now.

    - No obvious cause or bad user actions

    - Will lock by file system, not group, in future (transparent)

- /minos/data cleanout

    - Moving all sntp files to Dcache, then mcimport/STAGE

- /minos/app data cleanout/purge

    - moving user data files to /minos/data, then will set quotas

- Start using ifdh cp in place of cpn

- Taskforce planning dis/remount /minos/data on Fermigrid – see me

- cpn v1.7 was deployed for Minos to fix lock problems using OSG certs (batch)

Enstore/DCache

- Dcache NFS 4.1 direct file access – requires SLF 6.4
    - Working now on minos-slf6
    - For stability need Dcache 2.6 upgrade scheduled Oct 18
- ENSTORE SFA (Small File Aggregation) is deployed

CS/SCS/SDP news

- The SCD supported jobsub_client script is in production

    - This will replace minos25/54 and release present 1800 job limit

- MOUs are now called TSW.

    - Preliminary draft is cut

    - http://minos-docdb.fnal.gov:8080/cgi-bin/ShowDocument?docid=10033

    - https://cdcvs.fnal.gov/redmine/issues/6253

- Fermilab is picking up the Readytalk contract from ESNET

    - Short outage around Oct 1 as billing is transferred

    - All existing numbers should be transferred, watch for announcements

- Cryptocards are no longer supportable

    - old technology not compatible with the current Kerberos software

    - Will stop working mid October

    - RSA devices will be available, and possibly other app based options

GPCF

minos-slf4 = minosgpvm02 runs SLF 4.7 32 bit kernel

- Still there for Minerva MC.

- Could go away at any moment

Deployed minos-slf6 for NFS 4.1 Dcache direct access tests

- Andy(s) will certify DQ, then minos-nearline will go SLF 6.4

Minos Servers

- Mysql server will need to go from 5.0x to 5.5x or to Mariadb

    - Verify there is no effect on clients

    - DBA's will handle the upgrade

    - We need a database coordinator to lead this

- Aging minos servers

    - Minos25,27,50-54 are all out of warrenty

    - Interactive logins will go to VMs

    - We will want a couple of non-VM servers for data management

Control Room / DAQ

- Control Room computers

    - Will have new hosts in the Ops Center on WH1W

    - All will be SLF6. OK, as OM web interface is nearly ready.

- ECL – various updates and bug fixes

    - Adding conditional fields and centered notes, WIP