NuComp News

Lee Lueking February 15, 2012

Outline

Maintenance day stuff
IF Computing Resource Summary
A closer look at GP Grid usage

Maintenance Day: Tomorrow

Thursday 2/16

- Several SLF4-->5 OS upgrades. Some reboots (minervagpvm's).
- ENCP update, STKEN, Feb, 16 with Chimera support, bug fix for CDMS and logging patch. Estimate 1hour.
- Networking Services will be moving some switches to the new Nexus in FCC2. Work scheduled for 6-8 AM. Most of this maintenance to be transparent, but there may be a few brief disruptions.
 - BlueArc subnet (Scientific and Core-IT). NFS/CIFS should recover if properly configured with 600 second timeout/retry.
 - Intensity Frontier servers (DB servers, nearline, etc.) fmb02, fmb03, fmb04, fmb05, fmb06, fmb07, fmb08, fmb09, fnalmysqldev, fnalmysqlprd, websrv3, websrv4

SLF4 → SLF5 Upgrades

- o if01-04 Thursday February 16
- o fmb02-09 February 16 (waiting for go-ahead from MB)
- All SLF4 systems for IF experiments have been upgraded or retired (or will be retired soon), except:
 - o minos25: moving to a GPCF (and SLF5) system, in progress
 - minosgpvm02: variance requested
 - o miner www.m01: variance requested

Maintenance Days:Next Week

2/21, 2/22 to 2/23

- New kernel updates requiring a reboot of fnalMySQLdev on Tuesday, Feb 21 around 9:30 AM. The downtime should be minimal but we would like 30 minutes.
- There will be an 18hr ENSTORE "chimera" migration for STKEN, start at 18:00 on Feb. 22, and end by noon on the 23rd.
- More information in Dmitry's presentation

Maintenance Day: ~ Early May

Possibly Week of May 1

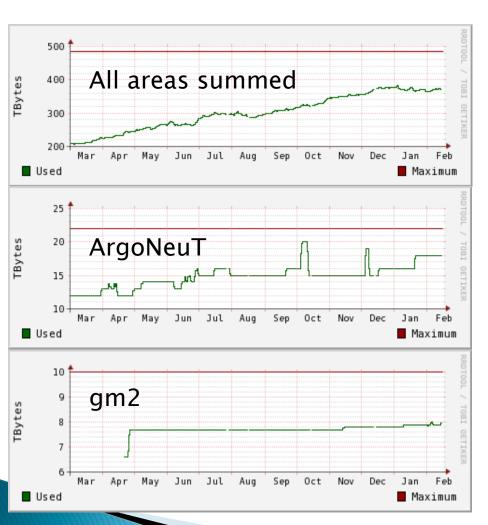
- Major upgrades, require several hours each
 - afs software will be upgraded
 - BlueArc Firmware upgrade
- These need to be coordinated with CDF, D0 an other users at the lab.
- They cannot be done concurrently because the same people are doing both.
- Andy has more info...

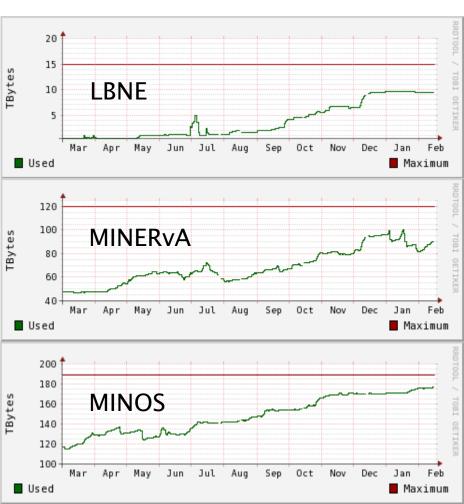
BlueArc and AFS upgrades

IFront Computing Resource Summary

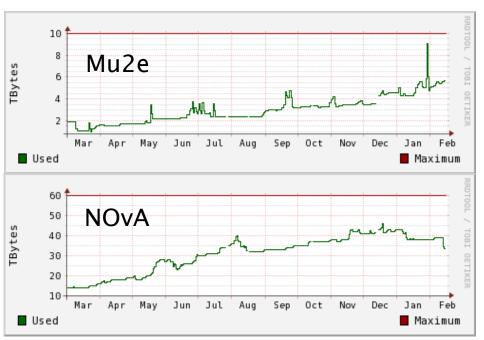
Central StorageGP Grid ClusterGPCF VM load averages

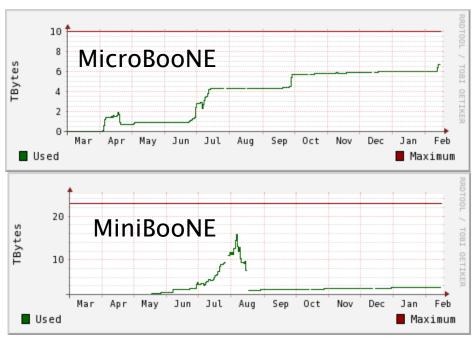
/experiment/data areas (1/2)



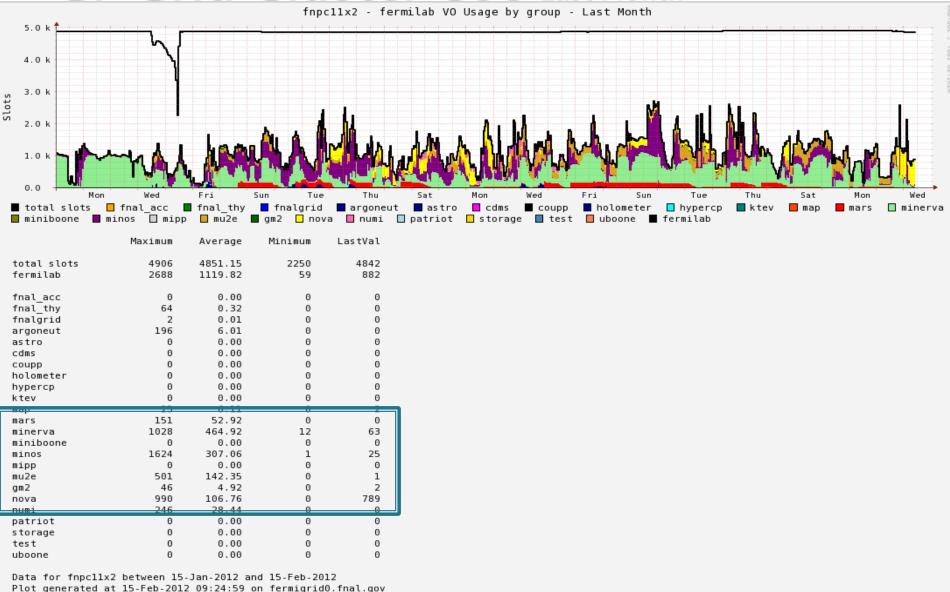


/experiment/data areas (2/2)





GP Grid Cluster Use Last Month



GPVM Ganglia 1 minute Load Avg Stats

for the last month

VM	Average	STD	Max.	Max. Date
minervagpvm01	0.21153025	0.467876691	2.58037103	1/26-10:48:00
minervagpvm02	0.554468251	0.708454717	4.9686002	1/27-20:24:00
minervagpvm03	0.304821098	0.670999754	6.99700298	2/11-18:48:00
minervagpvm04	0.098926997	0.330898702	4.12225694	2/11-18:48:00
minervagpvm05	0.057957736	0.146813024	1.76947024	2/13-01:36:00
novagpvm01	1.924431059	1.036308088	5.87722024	1/30-21:12:00
novagpvm02	0.149927919	0.274438826	1.97569444	1/27-00:48:00
novagpvm03	0.797596863	0.898417488	5.14992063	1/24-19:36:00
novagpvm04	0.451374913	0.494306981	2.02910714	1/30-21:12:00
novagpvm05	0.477614027	0.556400613	3.02738889	1/26-02:24:00
argoneutgpvm01	0.063351368	0.092136553	0.642244048	1/18-18:00:00
uboonegpvm01	0.049975361	0.108682649	0.968209325	1/25-15:12:00
uboonegpvm02	0.048890983	0.078813792	0.544076389	1/27-12:00:00
gm2gpvm01	0.046142096	0.080423428	0.687311508	2/14-14:00:00
lbnegpvm01	0.196815574	0.349988133	2.20190873	2/6-07:12:00
lbnegpvm02	0.18756297	0.397087959	2.18086111	2/14-14:00:00
mu2egpvm01	0.01048245	0.045930649	0.692962302	2/6-15:36:00
mu2egpvm02	0.064251144	0.142356022	1.01132044	2/6-21:12:00

March NuComp

- Grid job monitoring
 - Small file archiving
 - SAM project update
 - New ECL features
 - MINERVA and NOVA conditions data access

Let me know if there are additional topics to discuss.

finish