

NuComp News

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March 14, 2012
 π -day

Outline

- » Maintenance day stuff
- IF Computing Resource Summary

Maintenance Day: Tomorrow

Thursday 3/15

- ▶ Reboots: All SLF6 systems will be rebooted to get the latest kernel update. All SLF5 systems will be rebooted next month.
- ▶ Grid: Condor will be upgraded to Condor 7.6.6 on all head nodes and worker nodes. VDT software will be upgraded on head nodes. All jobs will be drained from the cluster beginning at noon on March 14, 2012 and no new job submissions will be accepted from that time until the upgrade is complete.
- ▶ DNS: all gpcf VM's will see a very short DNS interruption between 7 and 7:30 AM to re-assign VM ID numbers.
- ▶ Networking Services: On Thursday March 15th from 6:30am – 7am as part of CHG 3443 we will be moving several network links from the old FCC2 distribution switch to the new FCC2 Nexus switch. Sensitive applications may see some brief interruptions.
 - ▶ One of the switches being moved is r-s-fcc2-server3 and you have been identified as having devices on this switch.
 - ▶ Things of note on this switch: minos-nas-0, mbddata01 through 8, cdcvs4

Maintenance Day: May 1st

- ▶ BlueArc Firmware upgrade
 - The NuMI beam will be shut-off at on April 30.
 - BlueArc Maintenance will start at 7pm on May 1 and be completed before 6am on May 2.
- ▶ afs software will be upgraded, sometime later in May.

BlueArc and AFS upgrades

from Andy Romero (2/15/2012)

- ▶ BlueArc Firmware Upgrade
 - Current Version v6.1 Proposed Version v8.1 –bug fixes – support for 512 LUNs/cluster
 - Impact drain-jobs / no new jobs till end of upgrade

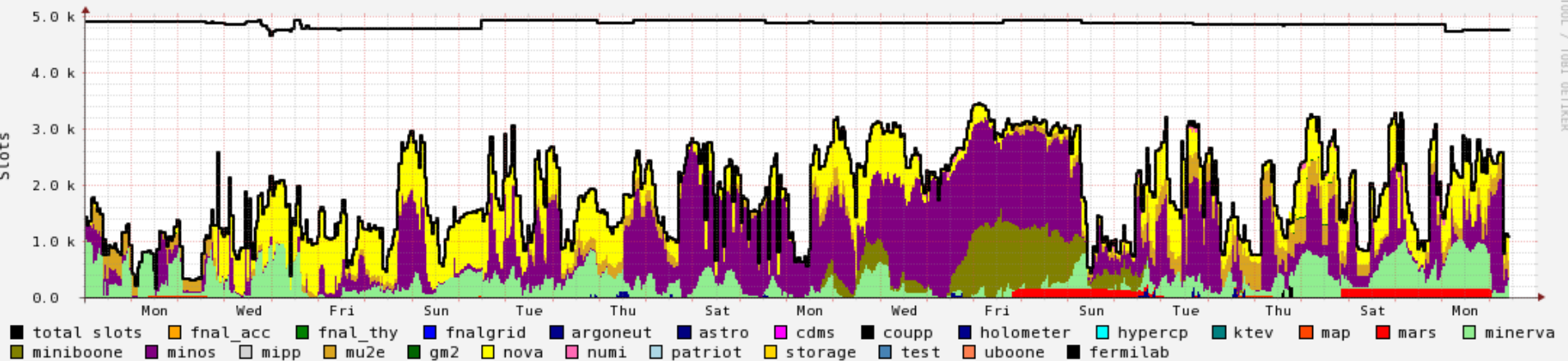
- ▶ AFS Upgrade Current Version openafs 1.4.11 Proposed Version openafs 1.4.14
 - Support for Compound Kerberos principal, used with kcron to access AFS space
 - Proposed Date Several days after BlueArc upgrade. Downtime estimate (approx): 2–4 hours during early morning hours Impact
 - We believe that AFS is mainly used interactively; however, groups that do use it for batch will have to refrain from running jobs during maintenance window.

IFront Computing Resource Summary

- » Central Storage
- GP Grid Cluster
- GPCF VM load averages

GP Grid Cluster Use Last Month

fnpc11x2 - fermilab V0 Usage by group - Last Month



	Maximum	Average	Minimum	LastVal
total slots	4914	4863.83	4658	4754
fermilab	3438	1846.28	158	1078
fnal_acc	0	0.00	0	0
fnal_thy	0	0.00	0	0
fnalgrid	0	0.00	0	0
argoneut	181	3.88	0	0
astro	0	0.00	0	0
cdms	0	0.00	0	0
coupp	200	0.83	0	0
holometer	0	0.00	0	0
hypercp	0	0.00	0	0
ktev	0	0.00	0	0
map	25	1.91	0	0
mars	149	29.36	0	0
minerva	1028	280.97	0	294
miniboone	1378	116.35	0	0
minos	2658	773.91	1	70
mipp	0	0.00	0	0
mu2e	500	141.21	0	300
gm2	15	0.54	0	0
nova	1185	489.96	4	414
numi	122	8.18	0	0
patriot	0	0.00	0	0
storage	0	0.00	0	0
test	0	0.00	0	0
uboone	0	0.00	0	0

Blue Arc Disk stats

- ▶ <http://nusoft.fnal.gov/ifmon/bluearc/>

GPVM Ganglia 1 minute Load Avg Stats

for the last 30 days

- ▶ <http://nusoft.fnal.gov/ifmon/gpcf/table.html>

April NuComp

- »» • Small file archiving
- ???

Let me know if there are additional topics to discuss.

finish