

NuComp News

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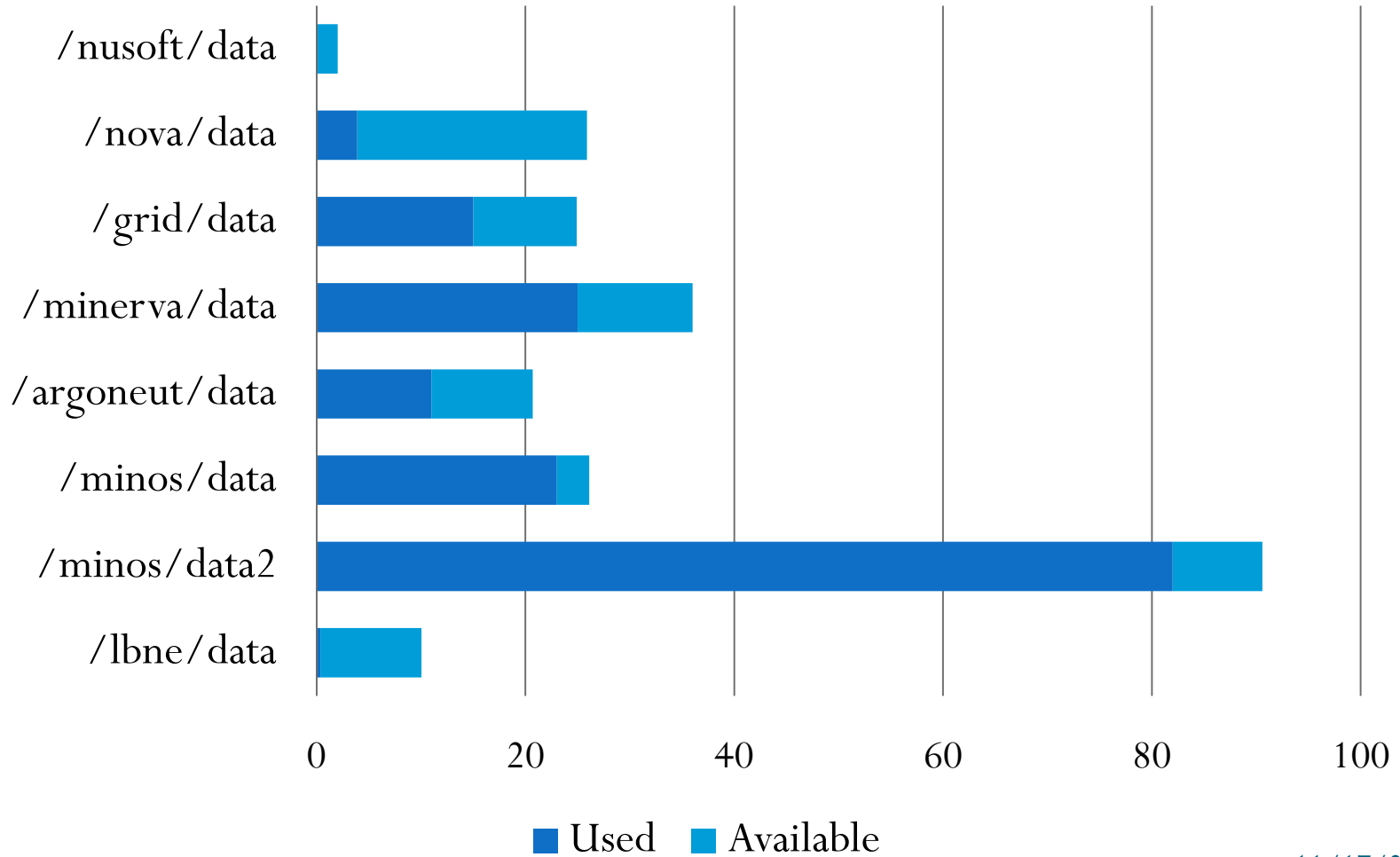
November 17, 2010

Outline

- Disk report
- GPCF update
- Emergency outage and Maintenance day tomorrow
- GRID Tool talk

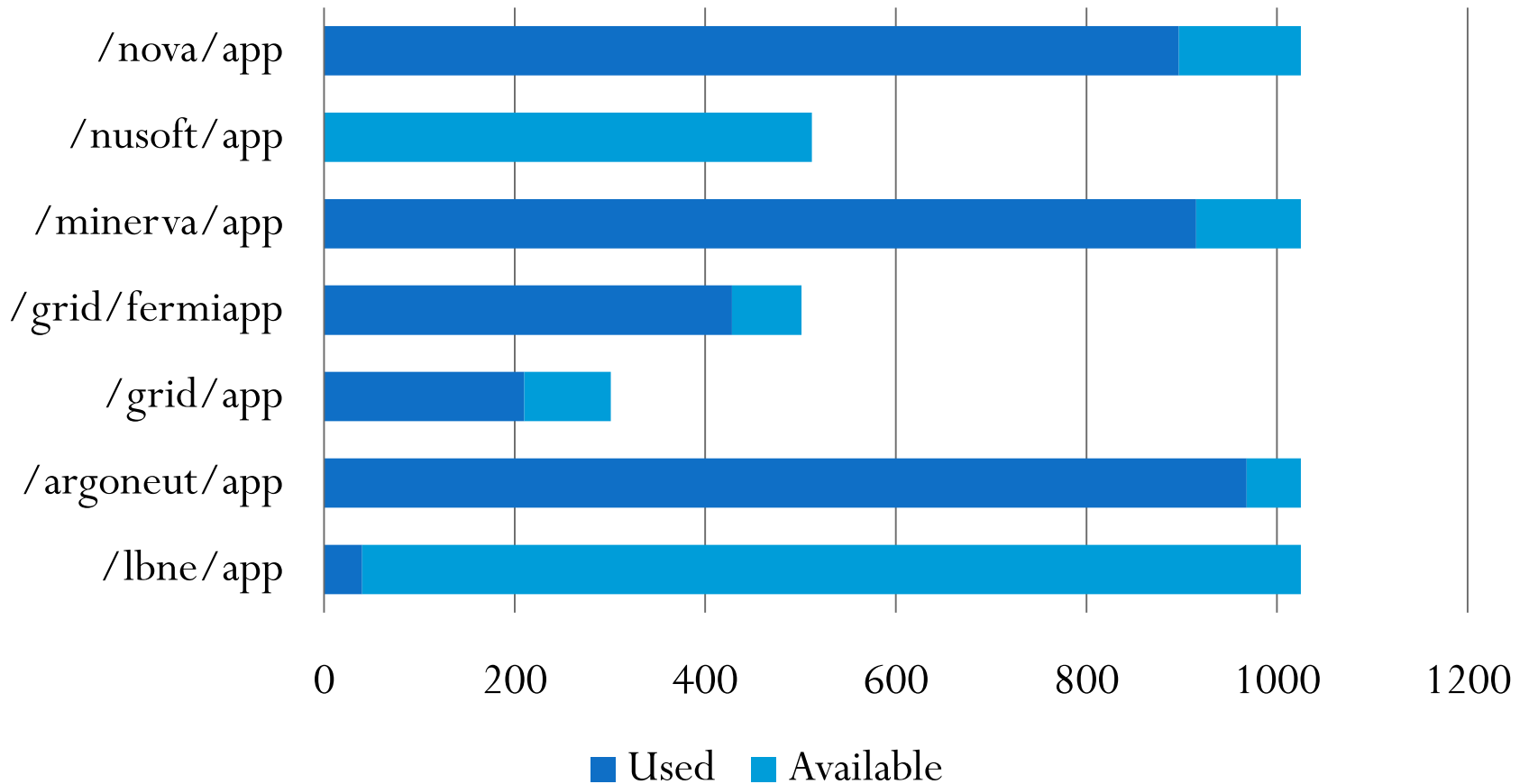
/<exp>/data

Data Size (TB)



/<exp>/app

App Size (GB)



Central Disk (BlueArc) Requests

	2009	2010	2011	2012
MiniBooNE	✓ 80	30	25(+13)	0
MINOS	✓ 150	✓ 30	30(+60)	30
MINERvA	✓ 10	✓ 20	40	30
Argoneut	✓ 20	0	0	0
NOvA	✓ 4	✓ 26	30	100
MicroBooNE	✓ 2	0	5	30
LBNE (all)	0	✓ 2	20	0
Mu2e	0	✓ 2	2	0
g minus 2	0	0	? 20	0
Total			172(+73)	

✓ **Satisfied**

- 200 TB of additional disk is available now.
- Allocations are being planned based on 2011 Requests.

Transition Plan (By Halloween)

Dennis reports today

	Current Resources	Final Int. Login <exp>gpvmNN	Final Local Batch gpwnNNN	Comments
ArgoNeuT	(none)	1 VM ✓	16 priority slots	
LBNE	Gpcf026	2 VMs ✓	48 priority slots	Gpcf026-27 ✓ to gpwn pool
MicroBooNE	(none)	1 VM ✓	16 priority slots	
MINERvA	If01-04	If01-if05 2 VM's ✓	As needed	If05 returned from NOvA.
MiniBooNE		(not assigned)	0	
MINOS	Minos50-53	Minos50-54 ✓ 1VM (for testing)	0	Minos54 ✓ returned from NOvA
Mu2e	(none)	1 VM ✓	16 priority slots	
NOvA	If05, gpcf028-32	3 VM's ✓ Requested 2 more	48 priority slots	Gpcf028-32 to gpwn pool

Tomorrow Maintenance Day

- Emergency power outage 3:30-11 am (in case you haven't heard) all central services will be affected: network, mail, central web, databases, CRL, cvs, afs, bluearc, enstore, and more.
- The network in WH and to the NUMI hall will be up, and some satellite kerberos authentication servers should allow logins to machines there.
- Other stuff happening tomorrow
 1. All IF and GPCF systems need kernel updates and will be rebooted. (GP Grid nodes, too.)
 2. Turn off NIS master on if01. We believe this will have no impact on users (all nodes should use NIS slave servers or the new master on gpcf015), but we'd like to do it at a downtime just in case.
 3. FGS will be upgrading the kernels on the head nodes(work) and also the VDT installation on Nov. 18. We also expect to have a new glexec RPM and worker node client to install on all the worker nodes of GP Grid (CRQ 1013).
 4. SAM prod database (production SAM for MINOS, NOvA, MINERvA) will receive quarterly Oracle patches and be down for a couple hours, probably in the AM.

GRID Tool-Talk

- Topics
 - ~~Job Submission~~
 - ~~Job Monitoring~~
 - ✓ Data File transfer & management
 - ~~Application portability and packaging~~
 - ✓ Conditions data access
 - API's / wrappers
- Outline
 - Overview
 - Requirements
 - Immediate solutions
 - Longer term solutions



Next NuComp

- January 12 or 19, 2011

finish