



GridPP
UK Computing for Particle Physics

GridPP Users

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GridPP-NGS

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GridPP
UK Computing for Particle Physics

Layout

- Users communities
- GridPP VOMS
- Gridsite: wikies and repositories
- Communication: a list of tools
- Some links



- LHC experiments: alice, atlas, cms, lhcb
- Other HEP experiments: babar&co
- Non-HEP sciences biomed&co
- International
- UK only
- Only local: universities

Site	alice	atlas	babar	biomed	calice	camont	cdf	cedar	cms	dteam	dzero	esr	euindia	fusion	geant4	gridpp	hone	ilc	lhcb	mice	magic	minos	na48	ngs	ops	phenp	planck	calpp	sixt	southgrid	scgrid	londongrid	northgrid	supernemo	ztk	total	totalsp	zeus	Total		
Lancaster	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	27	
Liverpool	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
Manchester	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	17
Sheffield	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
total	3	4	3	4	2	2	2	2	4	4	3	2	0	2	2	4	3	3	4	2	2	3	1	1	4	3	2	0	0	0	0	0	2	3	3	0	2	2	83		



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Users: LHC

- Most important:
 - grid concept introduced in HEP to support their computing requirements.
- Most numerous:
 - 4-6 thousands people involved: hundreds of potential grid users eager to analyse data
- Most organized:
 - Operational infrastructure in place with monitoring shifters, automatic sw installation, production teams, job submission and data management infrastructure.....
- Most annoying... erm demanding ;-)
 - Doesn't pass a day without a request for new functionality, upgrade, configuration change



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Biomed

- Most high profile non-HEP VO in EGEE
 - No central computing organisation
 - Many users consuming lot of CPU
 - Completely delocalized users from France, Italy, Israel....
 - No control over what the users are running
 - Most likely to have users banned for service disruption or else.
 - Why do we support it?
 - Bird flu and SARS drug response simulations among other things.



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Users: other HEP non-HEP, local

- Not so many users
 - Mostly production teams of 1,2,3 people
- Use the middleware as it is
 - Still high learning curve
- Don't have many demands
- Don't install software
- Leave data behind only temporarily
- Basically need only CPU cycles
 - Quite effective for their needs if they manage to cope with the complications



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Users: geography

- International, UK only, only local
 - Means where users belonging to these categories can run and where do they receive support from.
- All the Vos supported in the UK are registered in EGEE so they have access to services like GGUS and CIC portal.
- UK only and only local are supported through the GridPP VOMS.



- Located in Manchester T2
- International:
 - Babar, gridcc, supernemo
- UK only:
 - ukqcd, camont, total, pheno, gridpp
- Local:
 - T2 Vos
- Lost
 - manmace

List of VOs on this server

VOMS	
dummy	
gridpp	
mice	
uk	
lho	
cedar	
gridcc	
raipp	
manmace	
babar	
pheno	
supernemo.vo.eu-egee.org	
camont.gridpp.ac.uk	
total.vo.gridpp.ac.uk	
totalcp	
camont	
minos.vo.gridpp.ac.uk	
vo.northgrid.ac.uk	
vo.southgrid.ac.uk	
vo.scotgrid.ac.uk	
vo.londongrid.ac.uk	
ukqcd.vo.gridpp.ac.uk	

The following is a list of VOs that are defined on this server. Note that it is possible that some of them are not enabled at the moment.

VO name	Base URL for the web interface
dummy	https://voms.gridpp.ac.uk:8443/voms/dummy
gridpp	https://voms.gridpp.ac.uk:8443/voms/gridpp
mice	https://voms.gridpp.ac.uk:8443/voms/mice
uk	https://voms.gridpp.ac.uk:8443/voms/uk
lho	https://voms.gridpp.ac.uk:8443/voms/lho
cedar	https://voms.gridpp.ac.uk:8443/voms/cedar
gridcc	https://voms.gridpp.ac.uk:8443/voms/gridcc
raipp	https://voms.gridpp.ac.uk:8443/voms/raipp
manmace	https://voms.gridpp.ac.uk:8443/voms/manmace
babar	https://voms.gridpp.ac.uk:8443/voms/babar
pheno	https://voms.gridpp.ac.uk:8443/voms/pheno
supernemo.vo.eu-egee.org	https://voms.gridpp.ac.uk:8443/voms/supernemo.vo.eu-egee.org
camont.gridpp.ac.uk	https://voms.gridpp.ac.uk:8443/voms/camont.gridpp.ac.uk
total.vo.gridpp.ac.uk	https://voms.gridpp.ac.uk:8443/voms/total.vo.gridpp.ac.uk
totalcp	https://voms.gridpp.ac.uk:8443/voms/totalcp
camont	https://voms.gridpp.ac.uk:8443/voms/camont
minos.vo.gridpp.ac.uk	https://voms.gridpp.ac.uk:8443/voms/minos.vo.gridpp.ac.uk
vo.northgrid.ac.uk	https://voms.gridpp.ac.uk:8443/voms/vo.northgrid.ac.uk
vo.southgrid.ac.uk	https://voms.gridpp.ac.uk:8443/voms/vo.southgrid.ac.uk
vo.scotgrid.ac.uk	https://voms.gridpp.ac.uk:8443/voms/vo.scotgrid.ac.uk
vo.londongrid.ac.uk	https://voms.gridpp.ac.uk:8443/voms/vo.londongrid.ac.uk
ukqcd.vo.gridpp.ac.uk	https://voms.gridpp.ac.uk:8443/voms/ukqcd.vo.gridpp.ac.uk

Done
voms.gridpp.ac.uk:8443



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GridPP WEB server

- Located also in Manchester T2
- Based on gridsite
- Different virtual hosts
 - Wikies
 - SVN repositories
 - YUM, apt-get repositories

article | discussion | edit | history

Main Page

NGS-GridPP interoperability [edit]

- Interoperation activities

Sites in GridPP [edit]

- ScotGrid Tier2 - Glasgow @, Edinburgh, Durham
- NorthGrid Tier2 - Lancaster, Liverpool, Manchester, Sheffield, Daresbury Laboratory
- SouthGrid Tier2 - Birmingham, Bristol, Cambridge, Oxford, Warwick, Rutherford Appleton Laboratory @, EFDA-JET
- London Tier2 Tier2 - Brunel, 2 x UCL, 2 x Imperial College, Queen Mary, Royal Holloway
- RAL Tier1 - Rutherford Appleton Laboratory

GridPP grid services [edit]

- Grid services

GridPP Tier2 Support [edit]

Experiment [edit]

- Site contacts

Middleware [edit]

- Data Management
- Grid Storage
- Batch Systems
- Update tools
- Virtualisation
- Workarounds for gLite3 on SC4

Operations [edit]

HEPIX

LCG

System Administration for HEP sites

Monitoring Groups

- Meetings
- Wiki
 - How to start
- SVN Repositories
 - How to start
 - Test Repository
 - Fabric Management
 - Fabric Monitoring
- YUM/APT Repositories
 - Fabric Management
 - Grid Services Monitoring
- HEPIX
- LCG

Directory listing /rpms/egee-SA1/si4/i386/

[Parent directory]

RPMS externals/	4096	12:17	17 Sep 08
RPMS_release/	20480	15:01	20 Oct 08
RPMS_updates/	4096	17:37	27 Aug 08
base/	4096	11:01	22 Oct 08
reodata/	4096	11:01	22 Oct 08

Switch to HTTPS - Website Help - Built with GridSite 1.4.3



GridPP

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Communication

- Among sites
 - Mailing lists
 - Blogs
 - Google chat
 - Meetings
- With Users
 - GGUS
 - Personal emails
 - Local helpdesk
 - Broadcast
 - VO cards
 - GOCDB
 - Google chat

Subscriptions

- Grid Ireland
- GridPP Operations
- GridPP Project Leader
- GridPP Storage
- London T2
- MonAMI at large
- National Grid Service
- NorthGrid
- ScotGrid
- SouthGrid
- Steve Lloyd's ATLAS Grid Tests
- Steve at CERN
- Tier 1 Blog

About:
This is an aggregated feed from the various GridPP Blogs. For more information about gridpp, see the [Main GridPP website](#)

Last updated:
October 22, 2008 09:45

October 21, 2008

ScotGrid

"Oh no! Not again..."

After being all enthusiastic that the gSOAP errors had been nailed, we failed two SE tests in the last 24 hours. Exactly the same issue as before.

As this error message is so vague it looks like lcg-rollout is our only hope.

I note in passing that Glasgow has one of the most reliable SEs in the UK for ATLAS (2.1% job loss, only beaten by Oxford who have 0.8%; UK average in Q3 was 8% loss) so this is particularly galling.

Shouldn't we be making the results as seen by our real customers rather more important than a once an hour stab in the dark from ops?

by Graeme Stewart (noreply@blogger.com) at October 21, 2008 10:00

GENERAL INFORMATION		
Last Update of the VO Card	07/06/2007 06:00	
Unique VO Name	atlas	?
Discipline	High-Energy Physics	?
Status	active	?
Scope	Global Selected	?
VO Homepage link	http://grid.rac.lbnl.gov/site/AAA/VOserv	
Enrollment URL	https://lcg.voms.cern.ch:8443/vo/atlas	
Acceptable Use Policy	atlas-AcceptableUsePolicy-20061116	
	Download	
Description:		
The ATLAS VO allow the members of the ATLAS collaboration to pe relevant for the ATLAS experiment, making use of the available resour the Collaboration.		
Documents published by RAG		
No document		
VOMS INFORMATION		
1 VOMS server known for this VO		

2 released

and released v2 of the GridPP and the latest information and on the wiki. There have been a few significant changes



Site information: UK-NORTHGRID-MAN-HEP

[Global report for this site](#) (opens in new window)

[Edit this site](#)

Site name	UK-NORTHGRID-MAN-HEP
Official name	UK-NORTHGRID-MAN-HEP, GridPP/NorthGrid, Manchester, UK
Domain	tier2.hep.manchester.ac.uk
Home URL	
Contact email	ops@tier2.hep.manchester.ac.uk
Contact tel	+44 161 2754227
Emergency email	
Emergency tel	+44 161 2754227
Helpdesk email	
Operating hours	1000 - 1900
Time zone	Europe/London
GIS URL	idsp://hep002.tier2.hep.manchester.ac.uk:2170/ids-vo-name=UK-NORTHGRID-MAN-HEP_0.grid
Tier	2
Primary site?	Yes
Description	
Latitude	0
Longitude	0
Country	United Kingdom
FWIP	0.0.0.0/255.255.255.255
Creation date	2007-06-27, 12:34:39 [UTC] 2007-06-27, 13:34:39 [In site timezone: Europe/London] 2007-06-27, 12:34:39 [In your timezone: UTC]
Creator	(Creator unknown)

MY STATUS

Alessandro Ferri

[Security information](#)



GridPP
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Some Links

- <http://www.gridpp.ac.uk/wiki>
- <http://www.sysadmin.hep.ac.uk/rpmsindex>
- <http://planet.gridpp.ac.uk>
- <http://cic.gridops.org>
- <http://goc.gridops.org>
- <http://ggus.org>
- <https://voms.gridpp.ac.uk:8443/vomses>