



Introduction

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GDB meeting @CERN June 8th 2011



Membership

- Attendance at GDB is open to all T0, T1, T2, but there is also an official **national membership** that WLCG may contact for occasional national matters.
 - <http://lcg.web.cern.ch/LCG/gdb.htm>
- Please review and let me know if the names are still correct.
- No corrections since the last GDB so I assume everything is correct.

Since the Previous Meeting

- **EGI Virtualisation and Clouds Workshop**
- **EMI All Hands Meeting, Lund**
 - EMI 1 released just after the May GDB
 - This was planning for year 2.
- **Database Workshop, CERN, 6-7 June**
 - Tony will summarise

GDB meetings in 2011

- Most months on the second Wednesday
- Rooms booked
- Cancel led July due to WLCG Workshop

- January 12
- February 9
- March 9
- April 11
- May 11
- June 8

- ~~July 13~~
- August 10
- September 14
- October 12
- November 9
- December 14



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Forthcoming Events

- **World IPV6 Day, 8th June, all over the world!**
- **Identity Management Workshop, CERN, 9-10 June**
- **LHCOPN Meeting, Washington, 13-14 June**
- **WLCG Workshop, DESY, 11-13th July**
 - <http://indico.desy.de/internalPage.py?pageId=1&confId=4019>
- **EGI Technical Forum, Lyon, 19-23rd September**
- **HEPiX Fall Meeting, Vancouver, 21-26 October**
 - **20th Anniversary Meeting**
- **ISGC, Taipei, 26 February - 2 March 2012**
- **WLCG Workshop, NYC, 19-20th May 2012**
- **CHEP2012, NYC, 21-25th May 2012**

World IPv6 Day

- <http://www.worldipv6day.org/index.html>
- The day to try out IPv6. Many web and other services will be supporting IPv6 today
- Try the tests
- <http://test-ipv6.com/>
- If they fail, ask your internet supplier why.
- IPv4 won't fail but if you try IPv6 you should get through to many services using it.

GDB Issues

- MU Pilot Jobs, SCAS, Argus, **gLExec**
- CREAM
- Virtualisation
- Installed capacity
- OPN, LHCONe
- CVMFS
- **Information Service**

Today

- GGUS
- Information Service
- EGI and the UMD Release
- Database Workshop
- glxexec
- Discussions
 - Security
 - Job Management

Availability (reminder)

- ACE the Availability Computation Engine
 - compared with the previous A&R stats
 - Good match, deviations as expected
- Compared different algorithms
 - OLD ignore CREAM, CE pass if no LCG-CE
 - AND require both CREAM .AND. LCG-CE at sites where both exist.
 - **OR CE OK if either CREAM or LCG-CE OK**
 - NEW ignore LCG-CE. A&R calculated only from CREAM

Availability

- MB was minded to approve NEW.
 - But unstable CREAM on GridEngine would be unfair to those sites.
- May report will be with OR
 - CREAM on SGE should be fixed by June/July
 - Expect to move to NEW in October
 - ALL sites must run CREAM by then or their A&R will be 0.
- Old SAM database will close end of August
 - By then all tools which take data feeds must have migrated
- Results will be accepted up to 7 days late
 - And availability recalculated



- https://gvdev.cern.ch/ACEVAL/ace_index.php
 - Till the time this functionality integrated in MyWLCG
 - Data transfers, FTS and old GridView availabilities:
<http://gridview.cern.ch/GRIDVIEW/>
- Excel Report Generation Form
 - <http://gvdev.cern.ch/GVPC/Excel/ACE/>

LCG-CE

- At the May GDB people asked whether there would be repercussions from
 - a. Availability Reports
 - b. Experiments... If they decommission their LCG-CEs now.
 - a. No
 - b. Alice, CMS, LHCb

CREAM/GridEngine

- At the May GDB there was a report of an instability in CREAM running with GridEngine.
- This was a showstopper for GE sites removing their LCG-Ces soon.
- CREAM CE 1.6.6 to fix the known issues with SGE is coming soon for gLite 3.2.
- See: <http://savannah.cern.ch/patch/?4888>
- The fixes have already been implemented by CESGA as certification.

Identity Management

- Romain Wartel, the WLCG Security Officer will present the WLCG view to the workshop later this week.
- His slides are <http://indico.cern.ch/getFile.py/access?contribId=4&resId=0&materialId=slides&confId=115398>

6 Key Usage Scenarios

- Running a pre---defined VM image.
- Running my VM image (with my data).
- Deciding which virtualised resource to use.
- Accounting across resource providers.
- Reliability/availability of the resource.
- State change notification from the VM manager.

Conclusions

- Introduce virtualised resources alongside current grid ones to increase flexibility while retaining the current federated model.
- Testbed using existing expertise and resources
- Technology providers to investigate and test a number of identified technologies
- Resource providers to set aside resources for testbed and investigations.

WLCG Workshop

- **WLCG Workshop, DESY, 11-13th July**
 - <http://indico.desy.de/internalPage.py?pageId=1&confId=4019>
- Please register if you will be attending.
- Still a few slots for talks – Volunteer!
- Discussion encouraged. Talks should be no more than half the timeslot.

Stickers

- WLCG has stickers left
- Available in white on black or black on white, both with coloured logo
- From the WLCG Office

