



GDB

# Introduction

*John Gordon, STFC*

*GDB meeting @CERN December 7<sup>th</sup> 2010*



# Since the Previous Meeting

GDB

- **Distributed Database Operations Workshop**  
**16/17<sup>th</sup> November**
- <http://indico.cern.ch/conferenceOtherViews.py?view=standard&confId=111194>
- **VOMS/VOMRS and Experiments, CERN**



# GDB meetings in 2010



- Second **Wednesday** of each month
- Pre-GDB rooms booked, October



- ~~January 13~~
- ~~February 10~~
- ~~March 24~~
- ~~May 12~~
- ~~June 9~~
- ~~July 14~~
- ~~August 11~~
- ~~September 8~~
- ~~October 13~~
- ~~November 10~~
- ~~December 8~~



# GDB meetings in 2011



- Propose second **Wednesday** of each month
- Rooms booked
- Do these dates clash with anything?
- EGI-UF 11-15<sup>th</sup> April – moved to 6<sup>th</sup>



- **January 12**
- **February 9**
- **March 9 (Lyon)**
- **April 13**
- **May 11**
- **June 8**
- **July 13**
- **August 10**
- **September 14**
- **October 12**
- **November 9**
- **December 14**



# Pre-GDB meetings

GDB

- None currently planned
- Proposals please.



# Forthcoming Events



- **VOMS/VOMRS and Experiments, CERN**
- **ISGC, Taipei, 21-25 March 2011 (With OGF)**
- **EGI User Forum, Vilnius, 11-15<sup>th</sup> April, 2011**
- **WLCG Workshop, Summer 2011**



# GDB

## GDB Issues

- MU Pilot Jobs, SCAS, Argus, gLExec
- **CREAM**
- **SL5 – SL4 phase out**
- **Virtualisation**
- **Installed capacity**
- OPN



## Three Security Incidents

- **security incident at a WLCG site**
  - ssh account compromised.
  - entry point: weak SSH password on the "squid" user in general,
  - ssh remains the main entry point for attackers
  - "Valid SSH credentials grant you access to our site, but not our trust"
- **CVE-2010-4170: instant root exploit**
  - another critical vulnerability enabling any local user to be root
  - no reboot required to install the security patches
  - situation carefully monitored, 99% sites are patched
- **savannah.gnu.org compromised via an SQL injection**
  - savannah.cern.ch uses the same software
  - The security and savannah team at CERN investigated and protected the application



- As of today, site administrators of xrootd-based storage implementations miss tools to publish installed capacity and usage information for their storage resources.
- This concerns mainly ALICE sites but also CERN EOS.
- We have worked to develop, validate and make available information providers for wide deployment.

- Xrootd GIP provided by Claudiu Schiaua (ALICE).
- Installations at NIHAM and SUBATECH used as guinea pigs for code improvement/validation.
- Monitoring through Gstat2 also improved.
- Both sites are now validated. KIT will be validated soon. CERN EOS in the loop.
- Code ready for wide deployment.
  - <http://niham.nipne.ro/NIHAM-repo/instr.html>  
(install instructions)
  - <http://niham.nipne.ro/NIHAM-repo/sl/5.5/source/>  
(source code)
- How should this code be distributed? Support?
  - Frontier/Squid is another example.

- At the November GDB the experiments stated that their testing of CREAM had been successful.
  - Alice and ATLAS are already using it in production
- Time for all sites to install and to set a date for withdrawal of support for the LCG-CE
  - No SL4 support after the end of 2010
  - How about before data taking in 2011 (end of February?)
- Detailed review of performance and any other issues in January GDB

- When CERN had a significant presence in EGEE and gLite the boundaries between the software developed and supported by these projects and WLCG was slightly blurred.
- Now that EGI and EMI are more arms-length, WLCG must be confident that it understands the support models and expectations for all software important to us.

# Today



- IPV6
- Security Update
- Middleware
- HEPiX Virtualisation WG
- CVMFS for Software Distribution
- Experiment Operations
  
- Celebration Drink

# January GDB



- DAaM Demonstrator Review
  - Wednesday 12<sup>th</sup> January
- Argus
- EMI Release 1



# Merry Christmas

GDB

- ... And a Happy New Year