

# February GDB

Jeremy's summary notes

# Introduction

- Introduction: April meeting cancelled. March in KIT.

## Future support of EGI services

- Strategy – rely on EC projects and community funding.
- EGI workshop (Jan) to confirm priorities
- Emerging support services for federated cloud
- Proactive maintenance for ops tools
- UMD updates -> quarterly
- UMD structure – Core products : Contributing products :  
Community products
- (New) UMD release team to collect plans, track urgent bugs and support integration
  - WLCG coordination meeting could collect/input WLCG requirements. Concern about funding model.

# IPv6

- IPv4 address exhaustion.
  - Dual stack approach. Users should not notice IPv4 vs IPv6. But VMs mean IPv6 only or private IPv4 used.
  - OpenAFS – no IPv6 support.
  - Need to confirm GridPP contribution (Glasgow DPM end-point). IPv6 at RAL.
  - Short term work on SL5. US-LHCnet SL6 GridFTP. Batch system support?
  - Testing in 3 phases. Test dual stack; IPV6 only WNs (CERN); full test
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- HEPiX IPv6 wiki
  - <https://w3.hepix.org/ipv6-bis/>
  - Working group meetings
  - <http://indico.cern.ch/categoryDisplay.py?categId=3538>

# Status of upgrade

- VOMS waiting for EMI-3 in some cases
- EMI-1 end of security support: April 30. Alarms from 1<sup>st</sup> March.
- Putting tarball in CVMFS discussed.

# WLCG ops

- Squid monitoring – register servers in GOCDB/OIM
- gLEXec – milestone in two weeks
- SHA-2 new CA CERN available soon
- FTS3 – new features (mySQL, monitoring...) demonstrated, stress testing now.
- Tracking tools: vetting based on IDPs
- perfSONAR: Needs to be treated as production service. Needs SAM tests for NGI, GGUS tickets, proactive. MDM vs PS. How to use.
- SL6. Green light but no push

# Authentication and Authorization

- Read access to data: no data world-readable. Local clients can have lower authorization overhead for better performance.
- Data ownership issues: perhaps use VOMS groups. Owned by VO...robot certificate. Kerberos access local issue.
- Clouds: too early to look at non-trivial features.

# Clouds

- eGroup.
- Topics: image contextualization; VM instantiation and scheduling; VM duration (discussion on move to wall-clock time)
- Interfaces not important. Fairshare grid concept – want better than static partition.
- Graceful end of VM use?

# WG on Storage Federations

- Mainly technical aspects
- Info at <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGStorageFederationsWG>.
- Glue tools: examples DBs, cronjobs, scripts. Links things not natively designed to work together.
- Goals: relax data locality requirement. Make life easier for users.
- Interoperability - xrootd
- Federation = Worldwide storage cluster
- Self-healing
- Site analysis cache
- Security
- Name translations and catalogues
- Xrootd good for retries, waiting....
- Why http? Partly community wider than HEP. Rucio. SEless sites.