



VOM(R)S Working Group status report



<https://twiki.cern.ch/twiki/bin/view/LCG/VomsWG>



Grid Deployment Board
2007-06-06



Mandate



A GDB-mandated Working Group (WG),

as of 2007-04-04, responsible for:

- **VOMS/VOMS-ADMIN/VOMRS developers/deployers' coordination.**
 - **CERN HR database, Oracle, java and other paraphernalia quality maintenance and reporting.**
 - **Product testing and discussion before entering production.**
- Bug fix prioritisation and information dissemination to users at large.**



Jun 2007 GDB



Current activities



- Generic Attribute (GAs) implementation testing in vomrs and vom-admin.
- VOMS Replication planning with Oracle Database (3D) experts.
- CERN VOM(R)S Server infrastructure planning.
- High-priority fixes testing for integration in production:
 - OCI Connection Support [\[Details\]](#)
 - VOMS Server DN (only) required. [\[Details\]](#)
 - Non-GA-related fixes in vomrs-1.3.1 [\[Details\]](#)



GAs



- Testing vomrs-1.3.1 over voms-admin-server-2.0.3-2
- Several changes being introduced at the same time require cautious testing before moving to production.
 - OCI connection
 - Tomcat5-5.5
 - Oracle-instant-client-basic-10.2.0.3
- Progress monitored via the EMT and ad-hoc telephone meetings of the VOM(R)S WG, when needed.



VOMS db Replication



- Allowed by policy, implemented in voms core, required by the VOs, requires testing.
- To be discussed between VOMS developers and Oracle experts at CNAF on June 12th 2007.
- Pending clarification of:
 - The exact data to be shipped.
 - The participating sites.
 - The required infrastructure of those sites.



CERN VOMS Infrastructure plans



- Today:
 - One host (voms.cern.ch) dedicated to:
 - gridmap file generation AND
 - Voms proxy attribution.
 - Two hosts (lcg-voms.cern.ch) with automatic fail-over via LinuxHA dedicated to:
 - User registration via vomrs
 - Voms proxy attribution.
- Requested for this Fall:
 - One more host to replicate voms.cern.ch with LinuxHA.
 - The pre-requisite front-end for LinuxHa to switch the IP address when necessary.



Main issue for GDB information



- We don't forget that the VOs, especially LHCb, asked for Gas one year ago; But:
- The requirements got properly registered only mid-February 2007.
- Both vomrs and voms-admin developers worked hard to implement them; Still:
- Testing is complex because several things change at the same time, as we approach gLite 3.1.
- Voms-admin 2.x looks dramatically different to the one now in production (1.2.19), thus, we can never test enough.



THANKS



- VOMRS: Tanya Levshina
- VOMS-ADMIN: Andrea Ceccanti
- VOMS: Vincenzo Ciaschini, Valerio Venturi
- Testing: Maria Alandes, Lanxin Ma
- gLite integration: Joachim Flammer
- Oracle advice: Miguel Anjo
- Feedback and requirements: VO Admins.



Related documents



- VOM(R)S new requirements:
<http://littleblue.cnaf.infn.it/twiki/bin/view/VOMS/VomsVomrsRequirements>
- Life of the VOM(R)S WG:
<https://twiki.cern.ch/twiki/bin/view/LCG/VomsWG>