



VOM(R)S Working Group wrap-up

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

[Grid Deployment Board](#)

2009-07-08



Why we existed so far

VOM(R)S Working Group Mandate approved at Feb 2007 GDB:

- Bringing together the VOMS/VOMS-ADMIN/VOMRS developers to ensure the products evolve in a coordinated fashion matching users', VO/ROC Managers', services' and security requirements.
- Maintaining the quality of CERN HR database link, adapt to the new Oracle versions and report problems with other paraphernalia (e.g. java, tomcat etc) to the relevant gLite deployment bodies for performance and quality.
- Ensuring thorough product testing and a forum to discuss issues before adoption in production.
- Agreeing on the priorities for bug fixing and information dissemination to users at large.



What we tried to do: vomrs/voms-admin convergence



Approved at the March 2008 GDB ([Slides](#)), planned 3 development phases (details from a Jan 2009 GDB presentation appended to these slides).

1. Phase I (JSPG requirements) was announced at the June 2007 All-Hands meeting ([Slides](#))
2. Delivery dates were defined at the 2008/10/21-24 vom(r)s workshop([Notes](#))
3. Checked at the checkpoint meetings (2008/12/08 [Notes](#)), (2009/05/19 [Notes](#))
4. Responsibility now transferred to the EGEE TMB (2009/07/08 [TMB agenda](#)).



vomrs/voms-admin convergence phases



- Phase I : Implement in voms-admin JSPG-required features ([VO Membership Management Policy doc](#)).
- Phase II: Implement in voms-admin vomrs features the VOs use now and still require ([questionnaire answers](#)).
- Phase III: Implement in voms-admin an interface to external information source for Authentication data (CERN HR db for LHC experiment VOs).



Why converge vomrs/voms-admin

- Voms-admin must become JSPG compliant anyway, so there would be a big feature overlap with vomrs.
- It would, then, make less sense to maintain 2 products in the current tight resources' situation.
- So, the additional vomrs features would have to be added in voms-admin, VOs can't do without them (phases II,III).
- As voms-admin evolves, vomrs/voms-admin sync will require frequent testing.
- Without vomrs we can switch off the special fail-safe set-up (LinuxHA).



What else we tried to do?



Voms db read-only replica

- VOMS Replication is needed to avoid a single-point of failure. Not very much needed for CERN-hosted Vos - Oracle db, multiple listeners, 4 VOMS server hosts, except for power-cuts. MySQL installations need this more.

([Activity reports](#))

- Most recent from 2009-05-19 ([meeting point 5](#))
- Original requirement from 2007-01-22 ([WLCG Workshop BOF](#))



OK to wrap-up but concerns remain



- voms and vomrs are still very visible and critical services.
- Most of the 100+ registered EGEE VOs today don't comply to relevant JSPG policies as they use the current voms-admin.
- We can't deprive VOs from current (vomrs) functionality
- Vomrs/voms-admin inter-working has to be tested every time one of them brings out a new release.



Reminder

The vomrs/voms-admin convergence contents of the 3 phases in detail as presented at the Jan 2009 GDB follow.



Voms-admin development topics for Phase I



- Allow >1 cert per VO member (bug [#43130](#)).
- Implement an authorisation-aware web UI (bug [#43129](#)).
- Display the AUP text and implement VO member periodic expiration – also bound to the AUP version (bug [#43127](#)).
- Allow user to request his/her addition to Group/Role (bug [#43189](#)).
- Store Registration Data in VOMS db (bug [#43264](#)).
- Implement a description field for VOMS Role (bug [#38156](#)).
- Implement a description field for VOMS Group (bug [#38154](#)).
- Implement VO member institutional expiration (bug [#38151](#)).
- Extend member stati (implement suspension) (bug [#38150](#)).



Voms-admin dev. Phase II (a)

- Enable VO Admin to perform a transaction for >1 user (bug [#38167](#)).
- Offer sortable/selectable info on the webUI (bug [#38166](#)).
- Make the online help configurable (bug [#38165](#)).
- Implement email notification subscription (bug [#38162](#)).
- Offer a dynamic list of collected personal information (bug [#38159](#)).



Voms-admin dev. Phase II (b)

- Attach a Role under a given Group ([bug #38157](#)).
- Implement Open (free subscription) / Restricted (require approval) Groups ([bug #38155](#)).
- Implement Open (free subscription) / Restricted (require approval) Roles ([bug #38153](#)).
- Do not allow candidate to re-apply if denied ([bug #43190](#)).
- Allow a candidate member to select Representative ([bug #43212](#)).



Voms-admin development Phase III



Voms-admin interface with external information source;
LHC experiment VOs cannot live without this feature, which they use since 2005, following a GDB requirement, i.e. the link to CERN HR database to check candidate's personal data:

- during registration (bug [#38163](#))
- during validation (bug [#38164](#))