

VOMS transition discussion – summary of stage 1

(Actions have a target of Tuesday 3rd July – 2 weeks)

Action 1: AF & AM to take control again of the cfengine updates for the current GridPP VOMS and confirm current VOMS version in use.

Action 2: AF & AM to discuss with Robert about consolidating the GridPP and NGS VOMS content:

- a. If we are to support the NGS VOs then they will need to adopt a standard approach to VOMS and not use custom scripts to harvest information.
- b. We could also consolidate the Glasgow VOMS based VOs but need to ensure that setting up VOs is a quick easy process otherwise Glasgow would prefer to maintain their own instance.

Ewan suggested that we run an infrastructure in parallel to get experience of VOMS and especially the replication aspect. Kashif has already setup a VOMS server sunning on a VM.

Action 3: KM to setup a second VOMS. KM & EM to explore the replication options that are available.

The approaches known already are:

- 1) That put forwards by the developers:
https://wiki.egi.eu/wiki/VOMS_Replication. A method using stunnel is described here:
https://wiki.egi.eu/wiki/VO_Services/Documentation/Failover_for_MySQL_grid_based_services. We also want to look at the ssl options.
- 2) The WLCG method using a script (“a doddle to setup”):
https://twiki.grid.iu.edu/bin/view/ReleaseDocumentation/VomsInstallGuide#VOMS_Replication
- 3) The Ukraine developed PHP method:
 - You can find more information here:
<http://grid.org.ua/development/pva/>
 - Production instance in Ukraine: <http://grid.org.ua/voms/>
 - Demo of Multi-master replication:
<http://www.youtube.com/watch?v=oKTtJMK55Xw>

We talked about sharing not just the service hosting but also the VOMS administrator role. If this is just a VOMS-admin option fine, but if it requires access to the machines at Manchester we need to understand what is possible.

Action 4: TBC to check on what access the VOMS administrator needs to undertake standard tasks (like creating a new VO).

The machine naming was discussed and the option of using voms information vs DNS switching. It seemed to be agreed that updating the client tools with each of the 3 VOMS instances would be most straightforward. With that in mind the naming convention was agreed as follows:

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voms.gridpp.ac.uk = Manchester  
voms02.gridpp.ac.uk = Oxford  
voms03.gridpp.ac.uk = Imperial
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Action 5: KM & DB to obtain the needed host certificates for their sites.

Andrew made the observation that VOMS with different certs can listen on different IPs if we want to look at other failover options.

Action 6: EM to check that each of the client tools can take multiple VOMS options and take-up secondary and tertiary options.

Action 7: JC to check on what is intended for the future of the NGS VOs (in relation to 2). Also confirm the direction for NGS Nagios!

We need to return to the discussion of :

- VO registration (the form to be used and the relationship with EGI processes)
- VO setups regarding membership expiry etc.
- The VOMS instances to consolidate
- Firm dates for transition planning

As a rough target we expect the VOMS transition to have happened by the end of the summer. We'll prepare a more detailed timeline at a meeting in 2 weeks time.

On the VOMS loads:

Loads are thought to be low. ST supplied this monitoring link for the CERN VOMS instances: <https://lemonweb.cern.ch/lemonweb/info.php?entity=gridvoms&cluster=1&type=host>

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