

VOMS Testing.

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- VOMS Tests.
- Present Status.
- Future.

VOMS Tests

- VOMS Server
 - Functional tests. (VV).
 - Performance tests.(OK).
- VOMS-administration interface.
 - From Joni and Karoly. Still underway...

- VOMS functional tests. Status of June 18, 2005.

#	Description	Resp	Status
1)	Registration of users	JH/KL	Not done/Unknown
2)	Plain voms-proxy-init	VV	Done. in CVS v1.5.x
3)	Creation of VOMS-enabled proxies with many (different) attributes	VV	Done. in CVS v1.5.x
4)	Checking with voms-proxy-info (-all)	VV	Done. in CVS v1.5.x
5)	Destroying them with voms-proxy-destroy	VV	Done. in CVS v1.5.x
6)	(Mass) voms-proxy-init for one VO	VV	Done. in CVS v1.5.x
7)	(Mass) voms-proxy-init for multiple VOs	VV	Done. in CVS v1.5.x
8)	(Mass) voms-proxy-init and reordering on attributes of one VO	VV	Done. in CVS v1.5.x
9)	(Mass) voms-proxy-init and reordering on attributes of multiple VOs	VV	Done. in CVS v1.5.x
10)	(Mass) mkgridmap for one VO	VV	Done. in CVS v1.5.x
11)	(Mass) mkgridmap for multiple VOs	VV	Done. in CVS v1.5.x
12)	Executing all anti versions with unauthorized host and user certificates	VV	Done. in CVS v1.5.x
13)	Reloading the VOMS-Admin web-interface extensively (slashdotting the VOMS-server which will increase the java and database load)	JH/KL	Not done/Unknown

VOMS Performance Tests

- From Oscar Koeroo at NIKHEF.
- On: - Dual Pentium Xeon 3.2 EM64T (4 Hyper Threaded CPUs), 3GB of memory, S-ATA disk.

Total Events	Rep/Thread	Threads	s _{real}	Events/s _{real}	s _{real} /Event
1000	10	100	190	5.26	0.190
2000	10	200	377	5.31	0.189
2000	20	100	376	5.32	0.188
3000	10	300	561	5.35	0.187
10000	100	100	2060	4.85	0.206
20000	100	200	4128	4.84	0.206
20000	10	2000	2537	7.88	0.127
30000	100	300	5613	5.34	0.187
50000	100	500	8928	5.60	0.179
50000	50	1000	7887	6.34	0.158
100000	200	500	18513	5.40	0.185
150000	300	500	28643	5.24	0.191

- 0.183 ± 0.020 s_{real}/event.
- “Problem” with blocking socket, solution made, not tested yet.

VOMS Testing: Current Status.

- (A) Installing the VOMS RPM:
 - **Version:** `R1.1/R20050430/installers/glite-voms-server_installer.sh`
 - **Running** `glite-voms-server-config.py` gives an R-GMA configuration error.
 - But VOMS publishing to R-GMA is not supported, due to compatibility with version of VOMS deployed in other project (lcg, VDT).
 - Currently under investigation with OK and VV.
- (B) Compiling my own VOMS RPM and then installing:
 - **Producing** `glite-security-voms-1.5.2-0_U200506171053.i386.rpm`
 - Compiles OK. RPM installs OK after some `--nodeps`
 - Fails to start due to XML problem in `glite-voms-server.cfg.xml`
 - But tests are present in `/opt/glite/libexec/voms/testvoms`

Future.

1. Get a **RUNNING** VOMS installation.
2. Run the `/opt/glite/libexec/voms/testvoms` script.
3. Report results.

Configuring R-GMA servicetool and services to be published via R-GMA ...

Loading configuration from local file

/opt/glite/etc/config/scripts/../../glite-global.cfg.xml

Loading file:///opt/glite/etc/config/glite-global.cfg.xml

Loading configuration from local file

/opt/glite/etc/config/scripts/../../glite-rgma-common.cfg.xml

Loading file:///opt/glite/etc/config/glite-rgma-common.cfg.xml

The user-defined parameter rgma.server.hostname is not defined

ERROR Could not open the configuration file

/opt/glite/etc/config/scripts/../../glite-rgma-common.cfg.xml

ERROR or the file is not a valid xml file.

ERROR One or more parameters were not valid. Configuration cannot continue.

Loading configuration from local file /opt/glite/etc/config/scripts/../../glite-global.cfg

Loading file:///opt/glite/etc/config/glite-global.cfg.xml

Loading configuration from local file

/opt/glite/etc/config/scripts/../../glite-rgma-servicetool.cfg.xml

Loading file:///opt/glite/etc/config/glite-rgma-servicetool.cfg.xml

The user-defined parameter rgma.servicetool.sitename is not defined

ERROR Could not open the configuration file /opt/glite/etc/config/scripts/../../glite-rgma

ERROR or the file is not a valid xml file.

ERROR One or more parameters were not valid. Configuration cannot continue.

ERROR Problems while loading configuration file.

Configuring R-GMA servicetool FAILED