

## VOMS Testing Report

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**Release:** gLite 3.0.0 RC2

**Service:** Virtual Organisation Membership Service (VOMS)

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### Components:

- VOMS server
- User Interface (UI) with VOMS clients

### Summary

This document describes the tests carried out in the certification testbed to test VOMS server lxb1928, which is a VOMS MySQL server.

### Tests

#### Deployment testing

No deployment tests have been requested. The VOMS server was already deployed in the certification testbed.

#### Basic functionality testing

Commands	Result
/etc/init.d/gLite status	Not done
/etc/init.d/gLite version	
/etc/init.d/gLite checkconf	
/etc/init.d/gLite start	
/etc/init.d/gLite stop	

User registration	OK
Voms-proxy-init	
Voms-proxy-info	
Voms-proxy-list	
Voms-proxy-destroy	

I was not able to test deployment script options since I don't have access to lxb1928.

#### VOMS Admin tests

Commands	Result
Register new user	OK
Create group	Not Done
Create role	
Delete user	
Delete group	
Delete role	
Assign role to user	
Assign group to user	OK
List users	
ACL management	Not Done

I was not able to test many voms admin options in the UI nor in the CLI because I don't have administrative privileges nor access to lxb1928.

#### VOMS Testsuites

Mass gridmap file generation has been tested using a cron job that executed 10 gridmapfile requests per minute. The job has been running for 50 hours and the gridmap files have been executed successfully and the server has continued to be up and running. As I can't access the VOMS server, the memory usage has not been checked.

This test is not mature enough yet. For more information on tomcat problems derived from mass gridmap file requests, please, have a look at bug [https://savannah.cern.ch/bugs/?func=detailitem&item\\_id=15714](https://savannah.cern.ch/bugs/?func=detailitem&item_id=15714) that is still being investigated by developers.

Mass voms-proxy-init tests have been executed only against 1 VO, dteam, where I was registered. The results are presented in the table below.

voms-proxy-init testsuites

<b>Date:</b>	07/04/2006					
<b>VOMS server:</b>	Lxb1928. VOMS MySQL. 5 VOs. 1600 users					
<b>Command example:</b>	test_start_v1 -a dteam -f vomses -u /tmp/x509up_u23834 -t threads -r repetitions -l ~/public/logi					
<b>Max connections</b>	1500					
<b>backlog:</b>	Default					
<b>Version:</b>	glite-security-voms-api-cpp-1.6.16-3		glite-security-voms-api-c-1.6.16-3			
	glite-security-voms-server-1.6.16-5		glite-security-voms-api-1.6.16-3			
	glite-security-voms-oracle-2.0.7-0		glite-security-voms-config-1.6.16-1			
	glite-security-voms-admin-client-1.2.13-1		glite-security-voms-mysql-1.1.2-0			
	glite-security-voms-admin-interface-1.0.3-1		glite-security-voms-admin-server-1.2.16-1			
			glite-security-voms-clients-1.6.16-1			
Threads	Repetitions	Total	Failed	% failures	Log file	Comments
100	1	100	0	0.00	log1	ok
100	1	100	0	0.00	log2	ok
100	1	100	0	0.00	log3	ok
100	1	100	0	0.00	log4	ok
100	2	200	0	0.00	log5	ok
100	2	200	0	0.00	log6	ok
100	2	200	0	0.00	log7	ok
100	2	200	0	0.00	log8	ok
100	3	300	0	0.00	log9	ok
100	3	300	0	0.00	log10	ok
100	3	300	0	0.00	log11	ok
100	3	300	0	0.00	log12	ok
100	4	300	0	0.00	log13	ok
100	4	400	0	0.00	log14	ok
100	4	400	0	0.00	log15	ok
100	4	400	0	0.00	log16	Ok