

Quality Criteria Verification Report

Product	<i>voms-admin.sl6.x86_64-3.4.1</i>	Release	<i>3.4.1</i>
Software Provider	<i>INFN</i>	RT Ticket	<i>10552</i>
Provider contact	<i>andrea.ceccanti@cnaf.infn.it</i>		
Verifier	<i>Joao Pina <jpina@lip.pt> Mario David <david@lip.pt></i>		
Hours worked	<i>4 hours</i>	Date	<i>26/02/2016</i>
Status	Accepted		

Summary

The verification was made by making a upgrad from 3.3.3 version followed by a databe migration following the upgrade instructions provided by VOMS team:

<http://italiangrid.github.io/voms/release-notes/voms-admin-server/3.4.1/>

Related tickets

List here any GGUS tickets related to this verification

Documentation Criteria

Document	Link
Release notes	<i>https://github.com/italiangrid/voms/wiki</i>
User Documentation	<i>https://github.com/italiangrid/voms/wiki</i>
API Documentation	<i>https://github.com/italiangrid/voms/wiki</i>
Admin Documentation	<i>https://github.com/italiangrid/voms/wiki</i>
Software License	

Generic Criteria

Criteria	Status¹	Additional Comments
Binary Distribution	OK	
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	
World Writable Files	OK	
Passwords in world readable files	OK	
GlueSchema 1.3 Support	NA	
GlueSchema 2.0 Support	NA	
Middleware Version Information	OK	
Service Probes	NA	
Accounting Records	NA	
Bug Tracking System	OK	

¹**OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

Specific QC

Basic Functionality Test

```
[jpina@ui6 .globus]$ voms-proxy-init -voms ops.vo.ibergrid.eu --vomses ~/.glite/vomses/ops-vo-ibergrid-eu-test10.egi.cesga.es
Enter GRID pass phrase for this identity:
Contacting test10.egi.cesga.es:15000 [/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es] "ops.vo.ibergrid.eu"...
Remote VOMS server contacted succesfully.
```

```
WARNING: VOMS AC validation for VO ops.vo.ibergrid.eu failed for the following reasons:
LSC validation failed: LSC file matching VOMS attributes not found in store.
AC signature verification failure: no valid VOMS server credential found.
```

Created proxy in /tmp/x509up_u2030006.

Your proxy is valid until Sat Feb 27 04:02:08 WET 2016

```
[jpina@ui6 .globus]$ voms-proxy-init -rfc -voms ops.vo.ibergrid.eu --vomses ~/.glite/vomses/ops-vo-ibergrid-eu-test10.egi.cesga.es
Enter GRID pass phrase for this identity:
Credentials couldn't be loaded [/home/ingrid/jpina/.globus/userkey.pem, /home/ingrid/jpina/.globus/usercert.pem]: Can not load PEM
private key: the password is incorrect or the PEM data is corrupted.
No credentials found!
[jpina@ui6 .globus]$ voms-proxy-init -rfc -voms ops.vo.ibergrid.eu --vomses ~/.glite/vomses/ops-vo-ibergrid-eu-test10.egi.cesga.es
Enter GRID pass phrase for this identity:
Contacting test10.egi.cesga.es:15000 [/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es] "ops.vo.ibergrid.eu"...
Remote VOMS server contacted succesfully.
```

```
WARNING: VOMS AC validation for VO ops.vo.ibergrid.eu failed for the following reasons:
LSC validation failed: LSC file matching VOMS attributes not found in store.
AC signature verification failure: no valid VOMS server credential found.
```

Created proxy in /tmp/x509up_u2030006.

Your proxy is valid until Sat Feb 27 04:05:03 WET 2016

```
[jpina@ui6 .globus]$
[jpina@ui6 .globus]$
[jpina@ui6 .globus]$ voms-proxy-info --all
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina/CN=2068194444
issuer   : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina
identity : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina
type     : RFC3820 compliant impersonation proxy
strength : 1024
path     : /tmp/x509up_u2030006
timeleft : 11:59:49
key usage : Digital Signature, Key Encipherment, Data Encipherment
=== VO ops.vo.ibergrid.eu extension information ===
VO       : ops.vo.ibergrid.eu
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina
issuer   : /DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es
attribute : /ops.vo.ibergrid.eu/Role=NULL/Capability=NULL
timeleft : 11:59:49
uri      : test10.egi.cesga.es:15000
```

New Features/Fixed Bugs

NA

Additional Info

```
[root@test10 yum.repos.d]# yum update --disablerepo=UMD-4-base,UMD-4-updates --enablerepo=UMD-4-untested
```

```
Loaded plugins: priorities, security
```

```
Setting up Update Process
```

```
510 packages excluded due to repository priority protections
```

```
Resolving Dependencies
```

```
--> Running transaction check
```

```
---> Package fetch-crl.noarch 0:3.0.16-1.el6 will be updated
```

```
---> Package fetch-crl.noarch 0:3.0.17-3.el6 will be an update
```

```
---> Package voms.x86_64 0:2.0.12-2.el6 will be updated
```

```
---> Package voms.x86_64 0:2.0.13-1.el6 will be an update
```

```
---> Package voms-admin-server.noarch 0:3.3.3-1.el6 will be updated
```

```
---> Package voms-admin-server.noarch 0:3.4.1-1.el6.centos will be an update
```

```
--> Processing Dependency: java-1.8.0-openjdk-devel for package: voms-admin-server-3.4.1-1.el6.centos.noarch
```

```
---> Package voms-api-java3.noarch 0:3.0.5-1.sl6 will be updated
```

```
---> Package voms-api-java3.noarch 0:3.0.6-1.el6 will be an update
```

```
---> Package voms-server.x86_64 0:2.0.12-2.el6 will be updated
```

```
---> Package voms-server.x86_64 0:2.0.13-1.el6 will be an update
```

```
--> Running transaction check
```

```
---> Package java-1.8.0-openjdk-devel.x86_64 1:1.8.0.71-1.b15.el6_7 will be installed
```

```
--> Finished Dependency Resolution
```

```
Dependencies Resolved
```

```
=====
```

Package	Arch	Version	Repository	Size
---------	------	---------	------------	------

```
=====
```

```
Updating:
```

fetch-crl	noarch	3.0.17-3.el6	epel	52 k
voms	x86_64	2.0.13-1.el6	CNAF.voms-admin-server.sl6.x86_64	137 k
voms-admin-server	noarch	3.4.1-1.el6.centos	CNAF.voms-admin-server.sl6.x86_64	58 M
voms-api-java3	noarch	3.0.6-1.el6	CNAF.voms-admin-server.sl6.x86_64	134 k
voms-server	x86_64	2.0.13-1.el6	CNAF.voms-admin-server.sl6.x86_64	125 k

```
Installing for dependencies:
```

java-1.8.0-openjdk-devel	x86_64	1:1.8.0.71-1.b15.el6_7	sl-security	9.9 M
--------------------------	--------	------------------------	-------------	-------

```
Transaction Summary
```

```
=====
```

Install	1 Package(s)
Upgrade	5 Package(s)

```
=====
```

```
Total download size: 68 M
```

```
Is this ok [y/N]: y
```

```
Downloading Packages:
```

(1/6): fetch-crl-3.0.17-3.el6.noarch.rpm	52 kB	00:00
(2/6): java-1.8.0-openjdk-devel-1.8.0.71-1.b15.el6_7.x86_64.rpm	9.9 MB	00:04
(3/6): voms-2.0.13-1.el6.x86_64.rpm	137 kB	00:00
(4/6): voms-admin-server-3.4.1-1.el6.centos.noarch.rpm	58 MB	00:20
(5/6): voms-api-java3-3.0.6-1.el6.noarch.rpm	134 kB	00:00
(6/6): voms-server-2.0.13-1.el6.x86_64.rpm	125 kB	00:00

```
-----
```

Total	2.4 MB/s 68 MB	00:29
-------	------------------	-------

```
Running rpm_check_debug
```

```
-----
```

Total	2.4 MB/s 68 MB	00:29
-------	------------------	-------

```
Running rpm_check_debug
```

```
Running Transaction Test
```

```
Transaction Test Succeeded
```

Running Transaction

```
Updating : voms-2.0.13-1.el6.x86_64 1/11
Installing : 1:java-1.8.0-openjdk-devel-1.8.0.71-1.b15.el6_7.x86_64 2/11
Updating : voms-admin-server-3.4.1-1.el6.centos.noarch 3/11
warning: /etc/voms-admin/voms-admin-server.properties created as /etc/voms-admin/voms-admin-server.properties.rpmnew
Updating : voms-server-2.0.13-1.el6.x86_64 4/11
Updating : fetch-crl-3.0.17-3.el6.noarch 5/11
Updating : voms-api-java3-3.0.6-1.el6.noarch 6/11
Cleanup : fetch-crl-3.0.16-1.el6.noarch 7/11
Cleanup : voms-api-java3-3.0.5-1.sl6.noarch 8/11
Cleanup : voms-admin-server-3.3.3-1.el6.noarch 9/11
Cleanup : voms-server-2.0.12-2.el6.x86_64 10/11
Cleanup : voms-2.0.12-2.el6.x86_64 11/11
Verifying : voms-admin-server-3.4.1-1.el6.centos.noarch 1/11
Verifying : voms-server-2.0.13-1.el6.x86_64 2/11
Verifying : voms-api-java3-3.0.6-1.el6.noarch 3/11
Verifying : 1:java-1.8.0-openjdk-devel-1.8.0.71-1.b15.el6_7.x86_64 4/11
Verifying : voms-2.0.13-1.el6.x86_64 5/11
Verifying : fetch-crl-3.0.17-3.el6.noarch 6/11
Verifying : voms-server-2.0.12-2.el6.x86_64 7/11
Verifying : voms-2.0.12-2.el6.x86_64 8/11
Verifying : voms-admin-server-3.3.3-1.el6.noarch 9/11
Verifying : fetch-crl-3.0.16-1.el6.noarch 10/11
Verifying : voms-api-java3-3.0.5-1.sl6.noarch 11/11
```

Dependency Installed:

```
java-1.8.0-openjdk-devel.x86_64 1:1.8.0.71-1.b15.el6_7
```

Updated:

```
fetch-crl.noarch 0:3.0.17-3.el6 voms.x86_64 0:2.0.13-1.el6 voms-admin-server.noarch 0:3.4.1-1.el6.centos voms-api-java3.noarch
0:3.0.6-1.el6
voms-server.x86_64 0:2.0.13-1.el6
```

Complete!

```
[root@test10 yum.repos.d]#
```

```
===== database upgrade: =====
```

```
[root@test10 yum.repos.d]# mysqldump -uroot -p --all-databases --flush-privileges > voms_database_dump.sql
```

```
Enter password:
```

```
-- Warning: Skipping the data of table mysql.event. Specify the --events option explicitly.
```

```
[root@test10 yum.repos.d]# mysqldump -uroot -p --all-databases > voms_database_dump.sql
```

```
Enter password:
```

```
-- Warning: Skipping the data of table mysql.event. Specify the --events option explicitly.
```

```
[root@test10 yum.repos.d]# less voms_database_dump.sql
```

```
[root@test10 yum.repos.d]# voms-configure upgrade --vo ops.vo.ibergrid.eu
```

```
Upgrading database for VO ops.vo.ibergrid.eu to the latest version.
```

```
Checking database connectivity...
```

```
Database contacted successfully
```

```
Checking database existence...
```

```
Found existing voms-admin > 2.5.x database...
```

```
Checking database connectivity...
```

```
Database contacted successfully
```

```
Checking database existence...
```

```
Found existing voms-admin > 2.5.x database...
```

```
Upgrading database schema from version 3.3.3 to version 4
```

```
create table audit_event (event_id bigint not null auto_increment, principal varchar(255) not null, event_timestamp datetime not null,
```

```
event_type varchar(255) not null, primary key (event_id)) ENGINE=InnoDB
```

```
create table audit_event_data (event_id bigint not null, name varchar(255) not null, value varchar(255) not null, primary key (event_id, name, value)) ENGINE=InnoDB
```

```
alter table audit_event_data add index FK8FEF1913C6FD77C9 (event_id), add constraint FK8FEF1913C6FD77C9 foreign key
(event_id) references audit_event (event_id)
alter table req add column explanation varchar(512)
alter table req add column user_message varchar(512)
alter table sign_aup_task add column last_notification_time datetime
alter table usr add column orgdb_id bigint
create index aed_value_idx on audit_event_data(value)
create index aed_name_idx on audit_event_data(name)
create index ua_value_idx on usr_attrs(a_id,a_value)
The upgrade procedure has changed the VOMS database.
Upgrade completed successfully.
```

required a re-configuration:

```
[root@test10 yum.repos.d]# voms-configure install --vo ops.vo.ibergrid.eu --dbtype mysql --createdb --deploy-database --dbauser root
--dbapwd Mn5tvoms$ --dbusername vo_adm --dbpassword Mn5tvoms$ --core-port 15000 --smtp-host localhost --mail-from root
Configuring VOMS admin service for vo ops.vo.ibergrid.eu
Creating VOMS services certificate in /etc/grid-security/vomscert.pem, /etc/grid-security/vomskey.pem
VOMS Admin service configuration for VO ops.vo.ibergrid.eu exists.
Deploying database for VO ops.vo.ibergrid.eu
Creating database voms_ops_vo_ibergrid_eu
Schema for database voms_ops_vo_ibergrid_eu already exists, will not create it...
Granting user vo_adm read/write access on database voms_ops_vo_ibergrid_eu
Done.
Checking database connectivity...
Database contacted successfully
Checking database existence...
Found existing voms-admin > 2.5.x database...
Existing voms database found. Will not overwrite the database!
Adding VO administrator reading information from /etc/grid-security/vomscert.pem
WARNING: No email was specified for this administrator! The new administrator will not receive VOMS Admin notifications
Admin '/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es,/DC=es/DC=irisgrid/CN=IRISGridCA' already exists in database...
This admin will be granted full privileges on the VOMS database.
Adding ALL permissions on '/ops.vo.ibergrid.eu' for admin
'/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es,/DC=es/DC=irisgrid/CN=IRISGridCA'
Adding ALL permissions on role '/ops.vo.ibergrid.eu/Role=VO-Admin' for admin
'/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es,/DC=es/DC=irisgrid/CN=IRISGridCA'
Adding read-only access to authenticated clients on the VO.
Checking that the database is writable...
Database is writable.
Granting read-only access to any authenticated user on group '/ops.vo.ibergrid.eu'
Granting read-only access to any authenticated user on role '/ops.vo.ibergrid.eu/Role=VO-Admin'
Configuring VOMS core service for vo ops.vo.ibergrid.eu
VOMS core service configuration for VO ops.vo.ibergrid.eu already exists.
VOMS core service configured successfully.
VO ops.vo.ibergrid.eu configuration completed successfully.
```