

## Quality Criteria Verification Report

<b>Product</b>	voms-admin.sl6.x86_64-3.5.0	<b>Release</b>	3.5.0
<b>Software Provider</b>	INFN	<b>RT Ticket</b>	11574
<b>Provider contact</b>	andrea.ceccanti@cnaf.infn.it		
<b>Verifier</b>	Joao Pina < <a href="mailto:jpina@lip.pt">jpina@lip.pt</a> > Mario David < <a href="mailto:david@lip.pt">david@lip.pt</a> >		
<b>Hours worked</b>	8 hours	<b>Date</b>	13/09/2016
<b>Status</b>	Accepted		

### Summary

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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

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List here any GGUS tickets related to this verification

### Documentation Criteria

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Document	Link
Release notes	<a href="http://italiangrid.github.io/voms/2016/09/09/voms-release-16-09.html">http://italiangrid.github.io/voms/2016/09/09/voms-release-16-09.html</a>
User Documentation	<a href="http://italiangrid.github.io/voms/">http://italiangrid.github.io/voms/</a>
API Documentation	<a href="http://italiangrid.github.io/voms/">http://italiangrid.github.io/voms/</a>
Admin Documentation	<a href="http://italiangrid.github.io/voms/">http://italiangrid.github.io/voms/</a>
Software License	

### Generic Criteria

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Criteria	Status <sup>1</sup>	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	

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<sup>1</sup> OK, WARN, FAIL, NA (Not Applicable) or NT (Not Tested)

## Specific QC

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### Basic Functionality Test

```
[jpina@ui6 ~]$ rpm -qa | grep voms-client  
voms-clients3-3.0.6-1.el6.noarch
```

```
[jpina@ui6 ~]$ 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.
```

Created proxy in /tmp/x509up\_u2030006.

Your proxy is valid until Wed Sep 14 02:20:07 WEST 2016

```
[jpina@ui6 ~]$ voms-proxy-info  
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina/CN=proxy  
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     : full legacy globus proxy  
strength : 1024  
path     : /tmp/x509up_u2030006  
timeleft : 11:59:16  
key usage : Digital Signature, Key Encipherment, Data Encipherment
```

```
[jpina@ui6 ~]$ voms-proxy-info --all  
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina/CN=proxy  
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     : full legacy globus proxy  
strength : 1024  
path     : /tmp/x509up_u2030006  
timeleft : 11:59:12  
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 : 11:59:12  
uri      : test10.egi.cesga.es:15000
```

===== NEW VOMS CLIENT 3.0.7 =====

```
[jpina@ui6 ~]$ rpm -qa | grep voms-client  
voms-clients3-3.0.7-1.el6.noarch
```

```
[jpina@ui6 ~]$ 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.
```

Created proxy in /tmp/x509up\_u2030006.

Your proxy is valid until Wed Sep 14 02:30:42 WEST 2016

```
[jpina@ui6 ~]$ voms-proxy-info --all
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina/CN=599597462
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 : 11:47:32
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 : 11:47:31
uri      : test10.egi.cesga.es:15000
```

===== TESTING AGAINST PRODUCTION VOMS

```
[jpina@ui6 ~]$ voms-proxy-init --voms dteam
Enter GRID pass phrase for this identity:
Contacting voms2.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr] "dteam"...
Remote VOMS server contacted succesfully.
```

Created proxy in /tmp/x509up\_u2030006.

Your proxy is valid until Wed Sep 14 03:19:57 WEST 2016

```
[jpina@ui6 ~]$ voms-proxy-info --all
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina/CN=167027328
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 : 11:59:47
key usage : Digital Signature, Key Encipherment, Data Encipherment
==== VO dteam extension information ====
VO       : dteam
subject  : /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Joao Antonio Tomasio Pina
issuer   : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr
attribute : /dteam/Role=NULL/Capability=NULL
attribute : /dteam/NGI_IBERGRID/Role=NULL/Capability=NULL
timeleft : 11:59:47
uri      : voms2.hellasgrid.gr:15004
```

## New Features/Fixed Bugs

===== VOMS-ADMIN 3.5.0 =====

### Bug fixes

VOMS-741 : Suspend user/certificate dialog should not allow an empty suspensionReason OK  
VOMS-740 : VOMS Admin certificate remove operation should be protected by a confirmation dialog OK  
VOMS-739 : VOMS Admin should give users the possibility of removing unused certificates OK  
VOMS-738 : Add ACL can generate an audit log message that does not fit in the audit\_log\_event data table OK  
VOMS-734 : Properly restore VO users if their membership is restored in the HR db after a membership expiration NA

VOMS-733 : Improve display of user certificate information OK  
VOMS-731 : VOMS Admin notification events should be included in the audit log NA  
VOMS-730 : VOMS Admin does not send AUP reminders OK  
VOMS-729 : AUP reminder interval is not parsed correctly from configuration NA  
VOMS-728 : Ensure consistent certificate-based lookup behaviour NA  
VOMS-676 : voms-configure does not handle passwords correctly OK

*New features and improvements*

VOMS-743 : Implement full-text search on audit\_log event data points NA  
VOMS-742 : Allow membership that do not expire OK  
VOMS-732 : The VOMS web app should not disclose details regarding the membership expiration status to unprivileged users OK  
VOMS-725 : VOMS Admin: more precise display of time to expiration for membership and AUP signature expiration OK  
VOMS-626 : VOMS Admin should persist notifications in the database OK

### Additional Info

```
[root@test10 yum.repos.d]# yum clean all
Loaded plugins: priorities, security
Cleaning repos: CNAF.voms-admin-server.sl6.x86_64 EGI-trustanchors UMD-4-base UMD-4-updates epel sl sl-security
Cleaning up Everything
[root@test10 yum.repos.d]#
[root@test10 yum.repos.d]#
[root@test10 yum.repos.d]# yum update
Loaded plugins: priorities, security
Setting up Update Process
CNAF.voms-admin-server.sl6.x86_64 | 1.9 kB 00:00
CNAF.voms-admin-server.sl6.x86_64/primary_db | 10 kB 00:00
EGI-trustanchors | 2.5 kB 00:00
EGI-trustanchors/primary_db | 58 kB 00:00
UMD-4-base | 1.9 kB 00:00
UMD-4-base/primary_db | 1.1 kB 00:00
UMD-4-updates | 1.9 kB 00:00
UMD-4-updates/primary_db | 332 kB 00:01
epel | 4.3 kB 00:00
epel/primary_db | 5.9 MB 00:01
sl | 3.7 kB 00:00
sl/primary_db | 4.4 MB 00:03
sl-security | 2.9 kB 00:00
sl-security/primary_db | 1.4 MB 00:02
452 packages excluded due to repository priority protections
Resolving Dependencies
--> Running transaction check
--> Package voms.x86_64 0:2.0.13-1.el6 will be updated
--> Package voms.x86_64 0:2.0.14-1.el6 will be an update
--> Package voms-admin-server.noarch 0:3.4.1-1.el6.centos will be updated
--> Package voms-admin-server.noarch 0:3.5.0-1.el6.centos will be an update
--> Package voms-clients3.noarch 0:3.0.6-1.el6 will be updated
--> Package voms-clients3.noarch 0:3.0.7-1.el6 will be an update
--> Package voms-mysql-plugin.x86_64 0:3.1.6-1.el6 will be updated
--> Package voms-mysql-plugin.x86_64 0:3.1.7-1.el6 will be an update
--> Package voms-server.x86_64 0:2.0.13-1.el6 will be updated
--> Package voms-server.x86_64 0:2.0.14-1.el6 will be an update
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Updating:
voms x86_64 2.0.14-1.el6 CNAF.voms-admin-server.sl6.x86_64 139 k
voms-admin-server noarch 3.5.0-1.el6.centos CNAF.voms-admin-server.sl6.x86_64 58 M
voms-clients3 noarch 3.0.7-1.el6 CNAF.voms-admin-server.sl6.x86_64 131 k
voms-mysql-plugin x86_64 3.1.7-1.el6 CNAF.voms-admin-server.sl6.x86_64 24 k
voms-server x86_64 2.0.14-1.el6 CNAF.voms-admin-server.sl6.x86_64 126 k

Transaction Summary
=====
Upgrade 5 Package(s)

Total download size: 58 M
Is this ok [y/N]: y
Downloading Packages:
(1/5): voms-2.0.14-1.el6.x86_64.rpm | 139 kB 00:01
(2/5): voms-admin-server-3.5.0-1.el6.centos.noarch.rpm | 58 MB 00:19
(3/5): voms-clients3-3.0.7-1.el6.noarch.rpm | 131 kB 00:00
(4/5): voms-mysql-plugin-3.1.7-1.el6.x86_64.rpm | 24 kB 00:00
(5/5): voms-server-2.0.14-1.el6.x86_64.rpm | 126 kB 00:00
-----
Total 2.4 MB/s | 58 MB 00:24
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
```

```

Updating : voms-2.0.14-1.el6.x86_64 1/10
Updating : voms-server-2.0.14-1.el6.x86_64 2/10
Updating : voms-mysql-plugin-3.1.7-1.el6.x86_64 3/10
Updating : voms-admin-server-3.5.0-1.el6.centos.noarch 4/10
warning: /etc/voms-admin/voms-admin-server.properties created as /etc/voms-admin/voms-admin-server.properties.rpmnew
Updating : voms-clients3-3.0.7-1.el6.noarch 5/10
Cleanup : voms-mysql-plugin-3.1.6-1.el6.x86_64 6/10
Cleanup : voms-admin-server-3.4.1-1.el6.centos.noarch 7/10
warning: erase unlink of /var/lib/voms-admin/lib/voms-admin-api-3.4.1.jar failed: No such file or directory
Cleanup : voms-clients3-3.0.6-1.el6.noarch 8/10
Cleanup : voms-server-2.0.13-1.el6.x86_64 9/10
Cleanup : voms-2.0.13-1.el6.x86_64 10/10
Verifying : voms-mysql-plugin-3.1.7-1.el6.x86_64 1/10
Verifying : voms-2.0.14-1.el6.x86_64 2/10
Verifying : voms-server-2.0.14-1.el6.x86_64 3/10
Verifying : voms-clients3-3.0.7-1.el6.noarch 4/10
Verifying : voms-admin-server-3.5.0-1.el6.centos.noarch 5/10
Verifying : voms-server-2.0.13-1.el6.x86_64 6/10
Verifying : voms-admin-server-3.4.1-1.el6.centos.noarch 7/10
Verifying : voms-clients3-3.0.6-1.el6.noarch 8/10
Verifying : voms-2.0.13-1.el6.x86_64 9/10
Verifying : voms-mysql-plugin-3.1.6-1.el6.x86_64 10/10

Updated:
voms.x86_64 0:2.0.14-1.el6 voms-admin-server.noarch 0:3.5.0-1.el6.centos voms-clients3.noarch 0:3.0.7-1.el6 voms-mysql-plugin.x86_64 0:3.1.7-1.el6 voms-server.x86_64 0:2.0.14-1.el6

```

Complete!

===== DB UPGRADE =====

```
root@test10 voms-admin]# voms-db-util upgrade --vo ops.vo.ibergrid.eu
```

Checking database connectivity...

Database contacted succesfully

Checking database existence...

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

Upgrade not supported from schema version 4

Checking database connectivity...

Database contacted succesfully

Checking database existence...

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

/\* Fix AUDIT log table \*/

```
alter table audit_event_data modify value varchar(512)
```

```
/* Drop not null constraint from usr.end_time */
alter table usr modify column end_time datetime;
```

/\* Create notification persistence tables \*/

```
create table notification (id bigint not null auto_increment, creation_time datetime not null, handler_id varchar(255), message text not null,
messageType varchar(512) not null, status varchar(255) not null, subject text not null, primary key (id)) ENGINE=InnoDB
```

```
create table notification_delivery (id bigint not null auto_increment, delivery_timestamp datetime not null, error_message text, handler_id
varchar(255) not null, status varchar(255) not null, notification_id bigint not null, primary key (id)) ENGINE=InnoDB
```

```
create table notification_recipients (notification_id bigint not null, element varchar(255)) ENGINE=InnoDB
```

```
create index notification_msg_type_idx on notification (messageType)
```

```
create index notification_status_idx on notification (status)
```

```
create index nd_status_idx on notification_delivery (status)
```

```
create index nd_handler_id_idx on notification_delivery (handler_id)
```

```
alter table notification_delivery add index FK9FC39CC89FD1FCA6 (notification_id), add constraint FK9FC39CC89FD1FCA6 foreign
key (notification_id) references notification (id)
```

```
alter table notification_recipients add index FK685E6D4E9FD1FCA6 (notification_id), add constraint FK685E6D4E9FD1FCA6 foreign
key (notification_id) references notification (id)
```

Checking indexes on audit\_event table...

Database name: voms\_ops\_vo\_ibergrid\_eu

indexCount: 0

No indexes found, the indexes will be created...

```
create index ae_type_idx on audit_event (event_timestamp, event_type)
```

```
create index ae_principal_idx on audit_event (principal, event_timestamp)
```

The upgrade procedure has changed the VOMS database.

=====

```
[root@test10 yum.repos.d]# /etc/init.d/voms stop; /etc/init.d/voms-admin stop
```

```
Stopping voms(cesga): [ OK ]
```

```
Stopping voms(imath.cesga.es): [ OK ]
```

```
Stopping voms(ops.vo.ibergrid.eu):          [ OK ]
Stopping voms-admin:                       [ OK ]
[root@test10 yum.repos.d]# /etc/init.d/voms status; /etc/init.d/voms-admin status
Status voms(cesga): stopped
Status voms(imath.cesga.es): stopped
Status voms(ops.vo.ibergrid.eu): stopped
VOMS admin container:(not running)        [FAILED]
[root@test10 yum.repos.d]# /etc/init.d/voms start
Starting voms(cesga):                      [ OK ]
Starting voms(imath.cesga.es):            [ OK ]
Starting voms(ops.vo.ibergrid.eu):        [ OK ]
[root@test10 yum.repos.d]# /etc/init.d/voms-admin start
Deployed VO:
    cesga
    imath.cesga.es
    ops.vo.ibergrid.eu
Starting voms-admin:                       [ OK ]
```

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

required a re-configuration:

```
[root@test10 voms-admin]# voms-configure upgrade --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
Upgrading database for VO ops.vo.ibergrid.eu to the latest version.
Checking database connectivity...
Database contacted succesfully
Checking database existence...
Found existing voms-admin > 2.5.x database...
No upgrade needed, found schema version 5
Checking database connectivity...
Database contacted succesfully
Checking database existence...
Found existing voms-admin > 2.5.x database...
No upgrade needed, found schema version 5
The upgrade procedure has NOT changed the VOMS database.
Upgrade completed successfully.
```

===== NEW VOMS CLIENT 3.0.7 =====

```
[root@ui6 yum.repos.d]# yum update
Loaded plugins: fastestmirror, protectbase, security
Setting up Update Process
Loading mirror speeds from cached hostfile
* base: centos.mirror.ptisp.pt
* epel: ftp.up.pt
* extras: centos.mirror.ptisp.pt
* updates: centos.mirror.ptisp.pt
CNAF.voms-admin-server.sl6.x86_64
| 1.9 kB  00:00
CNAF.voms-admin-server.sl6.x86_64/primary_db
| 10 kB  00:00
452 packages excluded due to repository protections
Resolving Dependencies
--> Running transaction check
---> Package voms.i686 0:2.0.12-2.el6 will be updated
```

```

---> Package voms.x86_64 0:2.0.12-2.el6 will be updated
---> Package voms.i686 0:2.0.14-1.el6 will be an update
---> Package voms.x86_64 0:2.0.14-1.el6 will be an update
---> 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-clients3.noarch 0:3.0.6-1.el6 will be updated
---> Package voms-clients3.noarch 0:3.0.7-1.el6 will be an update
--> Finished Dependency Resolution

```

Dependencies Resolved

```

=====
=====
=====

```

Package	Arch	Version	Repository
Size			

```

=====
=====
=====

```

```

Updating:

```

voms	i686	2.0.14-1.el6	CNAF.voms-admin-server.sl6.x86_64
139 k			
voms	x86_64	2.0.14-1.el6	CNAF.voms-admin-server.sl6.x86_64
139 k			
voms-api-java3	noarch	3.0.6-1.el6	CNAF.voms-admin-
server.sl6.x86_64	134 k		
voms-clients3	noarch	3.0.7-1.el6	CNAF.voms-admin-
server.sl6.x86_64	131 k		

Transaction Summary

```

=====
=====
=====

```

Upgrade 4 Package(s)

Total download size: 543 k

Is this ok [y/N]: y

Downloading Packages:

```

(1/4): voms-2.0.14-1.el6.i686.rpm |
139 kB 00:00
(2/4): voms-2.0.14-1.el6.x86_64.rpm
| 139 kB 00:00
(3/4): voms-api-java3-3.0.6-1.el6.noarch.rpm
| 134 kB 00:00
(4/4): voms-clients3-3.0.7-1.el6.noarch.rpm
| 131 kB 00:00

```

```

-----
Total 121 kB/s | 543 kB
00:04

```

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Updating : voms-api-java3-3.0.6-1.el6.noarch

1/8

Updating : voms-clients3-3.0.7-1.el6.noarch

2/8

Updating : voms-2.0.14-1.el6.x86\_64

3/8

Updating : voms-2.0.14-1.el6.i686  
4/8  
Cleanup : voms-clients3-3.0.6-1.el6.noarch  
5/8  
Cleanup : voms-api-java3-3.0.5-1.sl6.noarch  
6/8  
Cleanup : voms-2.0.12-2.el6  
7/8  
Cleanup : voms-2.0.12-2.el6  
8/8  
Verifying : voms-2.0.14-1.el6.x86\_64  
1/8  
Verifying : voms-2.0.14-1.el6.i686  
2/8  
Verifying : voms-api-java3-3.0.6-1.el6.noarch  
3/8  
Verifying : voms-clients3-3.0.7-1.el6.noarch  
4/8  
Verifying : voms-2.0.12-2.el6.i686  
5/8  
Verifying : voms-2.0.12-2.el6.x86\_64  
6/8  
Verifying : voms-clients3-3.0.6-1.el6.noarch  
7/8  
Verifying : voms-api-java3-3.0.5-1.sl6.noarch  
8/8

Updated:

voms.i686 0:2.0.14-1.el6

voms.x86\_64 0:2.0.14-1.el6

voms-api-java3.noarch 0:3.0.6-1.el6

voms-clients3.noarch 0:3.0.7-1.el6

Complete!