

**Quality Criteria Verification**  
**Executive Summary**  
**For QCV, Stage Rollout, DMSU and EGI internal**

Name of the component			
Release	<b>emi.voms.sl5.x86_64-3.0.4 / emi.voms.sl6.x86_64-3.0.4</b>	RT Ticket	#6348 #6349
Software Provider			
Release Contact	Name: Cristina Aiftimiei	E-Mail: cristina.aiftimiei@pd.infn.it	
Validator	Name: Esteban Freire García	E-Mail: esfreire@cesga.es	
V. Hours Worked	6		
Component status	<b>Verified</b>	Date	12/11/13
Verification start date	11/11/13	Verification end date	12/11/13

**Summary:**

emi.voms.sl5.x86\_64-3.0.4 was installed in an UI installation from scratch using the UMD repository and configured with YAIM. It was also updated on UI SL6: After having a look on the GGUS ticket, [https://ggus.eu/ws/ticket\\_info.php?ticket=97555](https://ggus.eu/ws/ticket_info.php?ticket=97555) , I confirm I still have the same issue on SL5 and SL6:

```
[esfreire@test24 ~]$ rpm -qf /usr/bin/voms-proxy-init
voms-clients3-3.0.4-1.sl5
[esfreire@test24 ~]$ voms-proxy-init --version
voms-proxy-init v. 3.0.4
[esfreire@test24 ~]$ srmls --version
Storage Resource Manager (SRM) Client version 2.2
Copyright (c) 2002-2009 SRM Working Group http://sdm.lbl.gov/srm-wg
```

```
[esfreire@test24 ~]$ srmls srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/
2013-11-12 10:27:56,783 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmls : try # 0 failed with error ; nested exception is:
    java.net.ConnectException: Connection refused
2013-11-12 10:27:56,789 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmls : try again
2013-11-12 10:28:06,798 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmls : try # 1 failed with error ; nested exception is:
    java.net.ConnectException: Connection refused
```

2013-11-12 10:28:06,799 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try again  
 2013-11-12 10:28:26,811 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try # 2 failed with error ; nested exception is:  
     java.net.ConnectException: Connection refused  
 2013-11-12 10:28:26,812 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try again  
 2013-11-12 10:28:56,824 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try # 3 failed with error ; nested exception is:  
     java.net.ConnectException: Connection refused  
 2013-11-12 10:28:56,824 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try again  
 2013-11-12 10:29:36,836 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try # 4 failed with error ; nested exception is:  
     java.net.ConnectException: Connection refused  
 2013-11-12 10:29:36,837 [main] ERROR org.dcache.srm.client.SRMClientV2 - srmLs : try again

On the other hand, lcg-\* commands are failing with IPV6 enabled and disabled.

**GGUS Tickets:**

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	9			9
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	1			1

**Quality Criteria verification cheatsheet:**

Criteria	Acc	Teste	Comments
<b>Generic QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMlui/EMI_UI_v_3_0_0-1.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMlui/EMI_UI_v_3_0_0-1.pdf</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-9-07-10-2013-v-3-5-2-1#UI_v_3_0_3">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-9-07-10-2013-v-3-5-2-1#UI_v_3_0_3</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMlui/EMI_UI_v_3_0_0-1.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMlui/EMI_UI_v_3_0_0-1.pdf</a>
GENERIC_DOC_4 (Online help (man pages))			
GENERIC_DOC_5 (API Documentation)			
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMlui/EMI_UI_v_3_0_0-1.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMlui/EMI_UI_v_3_0_0-1.pdf</a>
GENERIC_DOC_8 (Software License)	Y	VLD	emi-ui: Apache Software License ARC Clients: Apache 2.0
GENERIC_DOC_9 (Release changes text)	Y	VLD	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-9-07-10-2013-v-3-5-2-1#UI_v_3_0_3">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-9-07-10-2013-v-3-5-2-1#UI_v_3_0_3</a>
GENERIC_DIST_1 (Source Code Availability)			
GENERIC_DIST_2 (Source Distribution)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	
GENERIC_MISC_2 (Bug Tracking System)			
<b>Security Capabilities QC</b>			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Read Ex Summary
AUTHN_IFACE_2 (SAML authentication)	Optional		

**Validator comments:**

== Repository used ==

```
{{{  
[root@test13 yum.repos.d]# cat EMI.voms.sl6.x86_64.repo  
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(6349,1366,1291)
```

```
[EMI.voms.sl6.x86_64]  
name=EMI.voms.sl6.x86_64  
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.voms.sl6.x86_64/3/0/4/  
enabled=1  
protect=1  
priority=1  
gpgcheck=1  
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi  
}}}
```

== yum update (OK) ==

```
{{{  
Package Arch Version  
Repository Size  
=====
```

Package	Arch	Version
canl-java	noarch	1.3.0-1.el6
EMI.voms.sl6.x86_64	285 k	
voms	i686	2.0.11-1.el6
EMI.voms.sl6.x86_64	137 k	
voms	x86_64	2.0.11-1.el6
EMI.voms.sl6.x86_64	137 k	
voms-api-java3	noarch	3.0.2-1.sl6
EMI.voms.sl6.x86_64	122 k	
voms-clients3	noarch	3.0.4-1.sl6
EMI.voms.sl6.x86_64	125 k	

```
Updating:  
=====
```

Transaction Summary

```
=====
```

== yaim configuration (OK) ==

```
{{{
```

```
[root@test13 etc]# /opt/glite/yaim/bin/yaim -c -s  
/root/configuration_templates/EMI/UI/site-info.def -n UI  
}}}
```

==== Testing ====

\* Submitting a MPI and a normal job (OK)

```
{{{
```

```
[esfreire@test24 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin  
Enter GRID pass phrase for this identity:  
Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-  
voms.cern.ch] "ops" ...  
Remote VOMS server contacted succesfully.
```

```
Created proxy in /tmp/x509up_u501.  
Your proxy is valid until Wed Oct 30 21:44:41 CET 2013
```

```
[esfreire@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es esfreire  
Proxy with delegation id [esfreire] succesfully delegated to endpoint  
[test06.egi.cesga.es]
```

```
[esfreire@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es esfreire  
Proxy with delegation id [esfreire] succesfully renewed to endpoint [test06.egi.cesga.es]
```

```
[esfreire@test13 ~]$ glite-ce-job-submit -D esfreire -r test06.egi.cesga.es:8443/cream-  
pbs-GRID_ops check_bug.jdl  
https://test06.egi.cesga.es:8443/CREAM451173426
```

```
[esfreire@test13 ~]$ glite-ce-job-status  
https://test06.egi.cesga.es:8443/CREAM451173426
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM451173426]  
Status = [RUNNING]
```

```
[esfreire@test13 ~]$ glite-ce-job-status  
https://test06.egi.cesga.es:8443/CREAM451173426  
***** JobID=[https://test06.egi.cesga.es:8443/CREAM451173426]  
Status = [DONE-OK]  
ExitCode = [0]
```

```
[esfreire@test13 ~]$ cd mpi_job_grid_verification/
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D esfreire -r  
test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
```

https://test06.egi.cesga.es:8443/CREAM604777929

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM385424286
***** JobID=[https://test06.egi.cesga.es:8443/CREAM385424286]
      Status    = [DONE-OK]
      ExitCode   = [0]
}}}
```

\* Trying to copy and delete a file on the SE (OK)

```
{{{
[esfreire@test13 mpi_job_grid_verification]$ lcg-cr -v --vo ops
file:/home/esfreire/hola.sh -l lfn:/grid/ops/filefgtest2 -d se2.egi.cesga
Using grid catalog type: lfc
Using grid catalog : lfc.egi.cesga.es
Checksum type: None
[GFAL][get_se_types_and_endpoints][] [BDII][g1_sd_get_se_types_and_endpoints]:
Cannot connect to BDII
lcg_cr: Transport endpoint is not connected
```

```
[esfreire@test13 mpi_job_grid_verification]$ lcg-lr --vo ops lfn:/grid/ops/filefgtest2
```

```
srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2013-10-29/filef0a12839-
9d80-4bff-8ad6-816899e25dcf
```

```
[esfreire@test13 etc]# lcg-lr --vo ops lfn:/grid/ops/
[GFAL][VOMS_RetrieveFromProxy][]
[GFAL][get_lfc_endpoint][] [BDII][g1_sd_get_lfc_endpoint]: Cannot connect to BDII
lcg_lr: Transport endpoint is not connected
```

```
[esfreire@test13 ~]$ lcg-lr --vo ops lfn:/grid/ops/
[GFAL][get_lfc_endpoint][] [BDII][g1_sd_get_lfc_endpoint]: Cannot connect to BDII
lcg_lr: Transport endpoint is not connected
```

```
}}}
```

\* Checking the VOMS PROXY INFO (OK)

```
{{{
```

```
[esfreire@test24 mpi_job_grid_verification]$ voms-proxy-info --all
[esfreire@test13 ~]$ voms-proxy-info --all
subject  : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez/CN=proxy
issuer   : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
identity : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
type     : full legacy globus proxy
strength : 1024
path     : /tmp/x509up_u501
timeleft : 11:52:34
key usage : Digital Signature, Key Encipherment, Data Encipherment
=== VO ops extension information ===
VO       : ops
subject  : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
issuer   : /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch
attribute : /ops/Role=lcgadmin/Capability=NULL
attribute : /ops/NGI/Role=NULL/Capability=NULL
attribute : /ops/NGI/Portugal/Role=NULL/Capability=NULL
attribute : /ops/NGI/Spain/Role=NULL/Capability=NULL
attribute : /ops/Role=NULL/Capability=NULL
timeleft : 11:52:34
uri      : lcg-voms.cern.ch:15009
```

```
}}}
```

After having a look on the GGUS ticket, [https://ggus.eu/ws/ticket\\_info.php?ticket=97555](https://ggus.eu/ws/ticket_info.php?ticket=97555) , I confirm I still have the same issue on SL5 and SL6:

```
[esfreire@test24 ~]$ rpm -qf /usr/bin/voms-proxy-init
voms-clients3-3.0.4-1.sl5
[esfreire@test24 ~]$ voms-proxy-init --version
voms-proxy-init v. 3.0.4
[esfreire@test24 ~]$ srmls --version
Storage Resource Manager (SRM) Client version 2.2
Copyright (c) 2002-2009 SRM Working Group http://sdm.lbl.gov/srm-wg
```

```
[esfreire@test24 ~]$ srmls srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/
2013-11-12 10:27:56,783 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try # 0 failed with error ; nested exception is:
    java.net.ConnectException: Connection refused
2013-11-12 10:27:56,789 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try again
2013-11-12 10:28:06,798 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try # 1 failed with error ; nested exception is:
    java.net.ConnectException: Connection refused
2013-11-12 10:28:06,799 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try again
2013-11-12 10:28:26,811 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try # 2 failed with error ; nested exception is:
```

```
    java.net.ConnectException: Connection refused
2013-11-12 10:28:26,812 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try again
2013-11-12 10:28:56,824 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try # 3 failed with error ; nested exception is:
    java.net.ConnectException: Connection refused
2013-11-12 10:28:56,824 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try again
2013-11-12 10:29:36,836 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try # 4 failed with error ; nested exception is:
    java.net.ConnectException: Connection refused
2013-11-12 10:29:36,837 [main] ERROR org.dcache.srm.client.SRMClientV2 -
srmLs : try again
```



## Not applicable Quality Criteria

### Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

### Specific Non-functional tests (Scalability, etc...) to be repeated in SR:

Test number	Description	Motivation

### Comments for UMD QC definition (TSA2.2):

- Review criteria xxxx
- Add criteria xxxx

### Comments for SR (TSA1.3):

emi.voms.sl5.x86\_64-3.0.4 was installed in an UI installation from scratch using the UMD repository and configured with YAIM. It was also updated on UI SL6: After having a look on the GGUS ticket, [https://ggus.eu/ws/ticket\\_info.php?ticket=97555](https://ggus.eu/ws/ticket_info.php?ticket=97555) , I confirm I still have the same issue on SL5 and SL6:

```
[esfreire@test24 ~]$ rpm -qf /usr/bin/voms-proxy-init  
voms-clients3-3.0.4-1.sl5
```

```
[esfreire@test24 ~]$ voms-proxy-init --version  
voms-proxy-init v. 3.0.4
```

```
[esfreire@test24 ~]$ srmls --version  
Storage Resource Manager (SRM) Client version 2.2
```

Copyright (c) 2002-2009 SRM Working Group <http://sdm.lbl.gov/srm-wg>

```
[esfreire@test24 ~]$ srmls srm://se2.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/  
2013-11-12 10:27:56,783 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try # 0 failed with error ; nested exception is:  
    java.net.ConnectException: Connection refused  
2013-11-12 10:27:56,789 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try again  
2013-11-12 10:28:06,798 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try # 1 failed with error ; nested exception is:  
    java.net.ConnectException: Connection refused  
2013-11-12 10:28:06,799 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try again
```

2013-11-12 10:28:26,811 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try # 2 failed with error ; nested exception is:  
    java.net.ConnectException: Connection refused  
2013-11-12 10:28:26,812 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try again  
2013-11-12 10:28:56,824 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try # 3 failed with error ; nested exception is:  
    java.net.ConnectException: Connection refused  
2013-11-12 10:28:56,824 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try again  
2013-11-12 10:29:36,836 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try # 4 failed with error ; nested exception is:  
    java.net.ConnectException: Connection refused  
2013-11-12 10:29:36,837 [main] ERROR org.dcache.srm.client.SRMClientV2 -  
srmLs : try again

On the other hand, lcg-\* commands are failing with IPV6 enabled and disabled.

**Comments for DMSU (TSA2.5):**

**Comments for TP:**