

Quality Criteria Verification Report

Product	<i>EMI.glexec-wn.sl6.x86_64-1.3.0</i> <i>EMI.glexec-wn.sl5.x86_64-1.3.0</i>	Release	1.3.0
Software Provider	EMI	RT Ticket	#7562 and #7561
Provider contact	Cristina Aiftimiei <cristina.aiftimiei@pd.infn.it>		
Verifier	Ruben Diez (rdiez@cesga.es)		
Hours worked	4h	Date	5/11/14
Status	Accepted		

Summary

No issues found during verification process.

Related tickets

None

Documentation Criteria

Document	
Release notes	http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/updated-21-09-10-2014-v-3-12-0-1#GLExec_wn_v_1_3_0
User Documentation	http://wiki.nikhef.nl/grid/GLExec
API Documentation	http://wiki.nikhef.nl/grid/GLExec
Admin Documentation	http://wiki.nikhef.nl/grid/GLExec
Software License	

Generic Criteria

Criteria	Status ¹	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	NT	Minor release
Passwords in world readable files	NT	Minor release

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

Transaction Summary

```
=====
=====
=====
```

```
Upgrade      1 Package(s)
}}}
```

```
{
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n
MPI_WN -n WN -n TORQUE_client -n GLEXEC_wn
}}
```

(!) It is necessary some fix in WNs (file "/etc/glexec.conf"):

```
{
[.....]
#user_white_list          =
cesga,dteam,iber.vo.ibergrid.eu,ops,ops.vo.ibergrid.eu
user_white_list          =
.cesga,.dteam,.iber.vo.ibergrid.eu,.ops,.ops.vo.ibergrid.eu,.opssgm
[.....]
}}
```

* Nagios tests ok, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test06.egi.cesga.es>
----> OK

* Checking world writable files (OK)

```
{
An easy way to find world-writable files is using the find command:
```

```
$ find / -type f -perm -002 -exec ls -l {} \;
```

For finding world-writable files in the packages contents:

```
$ rpm -qalv | egrep "^[-d]([-r][-w][-xs]){2}[-r]w"
drwxrwxrwt  2 root  root                0 dic  3  2011
/var/lib/torque/undelivered
drwxrwxrwt  2 root  root                0 jul 20  2011
/tmp
drwxrwxrwt  2 root  root                0 jul 20  2011
/var/tmp
drwxrwxrwt  2 root  root                0 dic  3  2011
/var/lib/torque/checkpoint
drwxrwxrwt  2 root  root                0 dic  3  2011
/var/lib/torque/spool
drwxrwxrwt  2 root  root                0 dic  3  2011
/var/lib/torque/undelivered
}}
```

* Submitting jobs (normal proxy).

```
{
[rdiez@test13 ~]$ 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_u514.

Your proxy is valid until Wed Nov 05 05:38:59 CET 2014

```
[rdiez@test13 ~]$ voms-proxy-info
subject    : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=proxy
issuer     : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
identity   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type       : full legacy globus proxy
strength   : 1024
path       : /tmp/x509up_u514
timeleft   : 11:59:48
key usage  : Digital Signature, Key Encipherment
```

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

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

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM807029904
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM807029904
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM807029904]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

```
{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM143321409
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM143321409
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM143321409]
        Status      = [REALLY-RUNNING]
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM143321409
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM143321409]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

* Submitting jobs (rfc proxy).

```
{{{
[rdiez@test13 ~]$ voms-proxy-init -rfc --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_u514.

Your proxy is valid until Wed Nov 05 05:47:05 CET 2014

```
[rdiez@test13 ~]$ voms-proxy-info
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=2131422928
issuer    : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
identity  : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type      : RFC3820 compliant impersonation proxy
strength  : 1024
path      : /tmp/x509up_u514
timeleft  : 11:59:48
key usage : Digital Signature, Key Encipherment
```

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

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

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM689941891
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM689941891
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM689941891]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

```
{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM428732426
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM428732426
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM428732426]
        Status      = [DONE-OK]
        ExitCode     = [0]
```

```
}}}
```

```
== Verification of EMI.glexec-wn.sl5.x86_64-1.3.0 ==
```

```
=== Ticket assigned ===
```

```
* [Ticket https://rt.egi.eu/rt/Ticket/Display.html?id=7561]
```

```
* Used EMI.glexec-wn SL5 repo
```

```
{{{
```

```
cat EMI.glexec-wn.sl5.x86_64.repo  
# EGI Software Repository - REPO META  
(releaseId,repositoryId,repofileId) - (7561,1682,1612)
```

```
[EMI.glexec-wn.sl5.x86_64]  
name=EMI.glexec-wn.sl5.x86_64  
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.glexec-  
wn.sl5.x86_64/1/3/0/  
enabled=1  
protect=1  
priority=1  
gpgcheck=1  
gpgkey=http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY
```

```
}}}
```

```
== Testing EMI.glexec-wn SL5 ==
```

```
* yum update (OK)
```

```
{{{
```

```
=====
```

```
==
```

Package	Arch
Version	Repository
Size	

```
=====
```

```
==
```

Updating:	
can1-java	noarch
1.3.3-1.el5	EMI.glexec-
wn.sl5.x86_64	292 k

```
Transaction Summary
```

```
=====
```

```
==
```

```
Install      0 Package(s)  
Upgrade      1 Package(s)
```

```
}}}
```

```
(!) It is necessary some fix in WNs (file "/etc/glexec.conf"):
```

```
{{{
```

```
[.....]
```

```
#user_white_list          =
user_white_list          =
.cesga,.dteam,.iber.vo.ibergrid.eu,.ops,.ops.vo.ibergrid.eu,.opssgm
[.....]
}}}
```

```
* Nagios tests ok, https://test23.egi.cesga.es/nagios/cgi-
bin/status.cgi?host=test06.egi.cesga.es
---> OK
```

```
* Checking world writable files (OK)
{{{
An easy way to find world-writable files is using the find command:
```

```
$ find / -type f -perm -002 -exec ls -l {} \;
```

```
For finding world-writable files in the packages contents:
```

```
$ rpm -qalv | egrep "^[^-d]([-r][-w][-xs]){2}[-r]w"
drwxrwxrwt  2 root  root          0 oct  7  2009 /tmp
drwxrwxrwt  2 root  root          0 oct  7  2009 /var/tmp
drwxrwxrwt  2 root  root          0 dic  3  2011
/var/torque/checkpoint
drwxrwxrwt  2 root  root          0 dic  3  2011
/var/torque/spool
drwxrwxrwt  2 root  root          0 dic  3  2011
/var/torque/undelivered
drwxrwxrwt  2 root  root          0 jun 17  2009
/var/spool/vbox
drwxrwxrwt  2 root  root          0 ene 27  2010
/var/cache/coolkey
drwxrwxrwt  2 root  root          0 ene 27  2010
/var/cache/coolkey
-rw-rw-rw-  1 root  root          0 ago 29 22:15
/var/run/nscd/socket
}}}
```

```
* Submitting jobs (normal proxy).
{{{
[rdiez@test13 ~]$ 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_u514.
```

```
Your proxy is valid until Thu Nov 06 00:58:31 CET 2014
```

```
[rdiez@test13 ~]$ voms-proxy-info
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=proxy
issuer    : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
identity  : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type      : full legacy globus proxy
strength  : 1024
path      : /tmp/x509up_u514
```

```
timeleft : 11:59:47
key usage : Digital Signature, Key Encipherment
```

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

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

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM135949846
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM135949846
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM135949846]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

```
{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM822809788
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM822809788
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM822809788]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

* Submitting jobs (rfc proxy).

```
{{{
rdiez@test13 ~]$ voms-proxy-init -rfc --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_u514.

Your proxy is valid until Thu Nov 06 01:04:08 CET 2014

```
[rdiez@test13 ~]$ voms-proxy-info
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=1636305703
issuer    : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
identity  : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
```



```
type      : RFC3820 compliant impersonation proxy
strength  : 1024
path      : /tmp/x509up_u514
timeleft  : 11:59:55
key usage : Digital Signature, Key Encipherment
```

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

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

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM330096127
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM330096127
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM330096127]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

```
{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM402699255
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM402699255
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM402699255]
        Status      = [REALLY-RUNNING]
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM402699255
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM402699255]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

New Features/Fixed Bugs

None.

Additional Info

None.