Quality Criteria Verification Report

Product	EMI-3 WMS (sl6.x86_64)	Release	3.6.3
Software Provider	EMI (EMI-3 Update 14)	RT Ticket	#6742
Provider contact	Cristina Aiftimei <cristina.aiftimiei@pd.infn.it >		
Verifier	Pablo Briongos Rabadán <pablo.briongos@ific.uv.es>		
Hours worked	15 hours	Date	06/03/2014
Status	Accepted		

Summary

*EMI-3 WMS 3.6.3 SL6 was successfully upgraded from a previous EMI-3 WMS 3.6.2 version, in a clean Scientific Linux 6.4 (carbon) node, collocated with LB 4.0.12 SL6 release for EMI-3.

*This release is a revision one, so bugfixes which could be locally tested were checked successfully.

*The product is **accepted.**

Related tickets

No tickets

Documentation Criteria

Document	Link
Release notes	http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-14-03-03-2014-v-3-7-2-1#WMS_server_v_3_6_3_and_WMS_clien
User Documentation	http://web.infn.it/gLiteWMS/images/WMS/Docs/wmproxy-guide.pdf
API Documentation	https://web2.infn.it/gLiteWMS/wmproxy-api/egee-jra1-wm/glite-wmproxy-api-index.shtml
Admin Documentation	http://wiki.italiangrid.it/twiki/bin/view/WMS/WMSSystemAdministratorGuide
Software License	http://web2.infn.it/gLiteWMS/index.php/license

Generic Criteria

Criteria	Status[1]	Additional Comments
Binary Distribution	OK	Available in product page. There are some glite files created in /opt location; this is discouraged
Upgrade	OK	

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

X.509 Certificate support	**OK**	
SHA-2 Certificates Support	**OK**	
RFC Proxy support	**OK**	
ARGUS Integration	**OK**	
World Writable Files	**OK**	
Passwords in world readable files	**OK**	
GlueSchema 1.3 Support	**OK**	glue-validator -H cg08.ific.uv.es -p 2170 -b o=grid -g glue1 -s general -v 3
GlueSchema 2.0 Support	**OK**	glue-validator -H cg08.ific.uv.es -p 2170 -b o=glue -g glue2 -s general -v 3
Middleware Version Information	**OK**	ldapsearch -x -h cg08.ific.uv.es -p 2170 -b GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint
Service Probes	**OK**	
Accounting Records	**NA**	
Bug Tracking System	**OK**	

Specific QC

Basic Functionality Test

The product works as expected and the basic functionality is correct in the evaluated areas. Getting proxy, delegating, submitting, getting output and status, tested successfully.

New Features/Fixed Bugs

Here is some extra information about the five bugfixes included in this release:

*[WMS-116] - Bad exception handling in ICE prevents the user from getting a readable error message   FIXED

Reported and tested in:

https://issues.infn.it/jira/browse/WMS-116

Related GGUS ticket solved:

https://ggus.eu/ws/ticket_info.php?ticket=100372

*[WMS-113] - glite-wms-create-proxy.sh uses an undefined GLOBUS_LOCATION env var   FIXED

We check the replacement of environment variable GLOBUS_LOCATION with WMS_LOCATION_USR in the shell script:

```
[root@cg08 ~]# grep "grid-proxy-init" /usr/sbin/glite-wms-create-proxy.sh
  proxy=`"${WMS_LOCATION_USR}/bin/grid-proxy-init" -q \
```

It solves the problem of 512-bit generated proxy. Reported in:

https://issues.infn.it/jira/browse/WMS-113

*[WMS-114] - Purger still uses 512bits in an hard-coded routine which update wms's proxy   FIXED

We verify that *wms.proxy* is now 1024 bits instead 512 bits:

```
bash-4.1$ grid-proxy-info -file /var/glite/wms.proxy
subject  : /DC=es/DC=irisgrid/O=ific/CN=cg08.ific.uv.es/CN=2131942477
issuer   : /DC=es/DC=irisgrid/O=ific/CN=cg08.ific.uv.es
identity : /DC=es/DC=irisgrid/O=ific/CN=cg08.ific.uv.es
type     : RFC 3820 compliant impersonation proxy
strength : 1024 bits
path     : /var/glite/wms.proxy
timeleft : 23:59:56
```

And now */usr/sbin/glite-wms-purgeStorage.sh* works fine and doesn't throw any errors.

Reported in:

https://issues.infn.it/jira/browse/WMS-114

*[WMS-112] - EMI WMS job purge behaviour when output retrieve fail   FIXED

Reported to work in:

https://issues.infn.it/jira/browse/WMS-112

*[WMS-111] - Incorrect handling of JDL's CpuNumber and HostNumber in WMS UI   FIXED

Before apply the bugfix, we do a list-match on our WMS UI with the next jdl:

```
-bash-3.2$ cat bug_99130.jdl
Type="Job";
Executable = "/bin/true";
HostNumber = 1;
CpuNumber = 1;
```

And we get:

```
-bash-3.2$ glite-wms-job-list-match  -d $USER -e https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server bug_99130.jdl
```

Connecting to the service https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server

Warning - Unable to perform the operation: The Operation is not allowed: Unable to get delegated Proxy
Error code: SOAP-ENV:Server

Error - Operation failed
Unable to find any endpoint where to perform service request

Once we apply the fix, we execute again the list-match and now a full list of matching CE's are printed out:

-bash-3.2$ glite-wms-job-list-match -d $USER -e https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server bug_99130.jdl

Connecting to the service https://cg08.ific.uv.es:7443/glite_wms_wmproxy_server

```
==========================================================================
                    COMPUTING ELEMENT IDs LIST
 The following CE(s) matching your job requirements have been found:

        *CEId*
 - ce02.ific.uv.es:8443/cream-pbs-infbandIficL
 - ce02.ific.uv.es:8443/cream-pbs-infbandShort
 - ce03.ific.uv.es:8443/cream-pbs-short
 - ce03.ific.uv.es:8443/cream-pbs-ificL

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

Reported in:

https://issues.infn.it/jira/browse/WMS-111

Additional Info

No additional info