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WMS test report

Summary

- Component: **WMS 3.3.2**
- Savannah task: 20812
- ETICS Subsystem Configuration Name: **emi-wms_R_3_3_4_1**
- VCS Tag: *emi-wmproxy_R_3_3_2_0 emi-wms-common_R_3_3_2_0 emi-wms-helper_R_3_3_2_0 emi-yaim-wms_R_4_1_3_0*
- EMI Major Release: **EMI 1 (Kebnekaise)**
- Platform: sl5 epel
- Build reports:
http://etics-repository.cern.ch/repository/reports/id/670688da-e1c5-4961-b117-ca502aca3a5a/sl5_x86_64_gcc
- Repository:
<http://etics-repository.cern.ch/repository/pm/registered/repomd/id/670688da-e1c5-4961-b117-ca502aca3a5a/sl5>
- Certification report: CertReport_EMI1.5.txt
- Author: Alessio Gianelle
- Outcome: **Certified**

Clean installation

- Starting from a SL5 x86_64 kernel machine:

```
[root@cream-45 ~]# cat /etc/redhat-release
Scientific Linux SL release 5.5 (Boron)
[root@cream-45 ~]# uname -a
Linux cream-45.pd.infn.it 2.6.18-238.5.1.el5xen #1 SMP Tue Mar 1 19:22:01 EST 2011 x86_64 x86_64
```

- `cd /etc/yum.repos.d/`
- `wget --no-check-certificate https://twiki.cern.ch/twiki/pub/EMI/EMI1Updates/testing.repo`
- `yum clean all`
- `yum install ca-policy-egi-core`
- `yum install emi-wms`
 - ◆ See log file
- `/opt/glite/yaim/bin/yaim -c -s /usr/local/nfs/jra1_test/cream-45/site-info_wms.def -n WMS`
 - ◆ See log file

Update

- Starting from a production version:

```
[root@devel09 ~]# cat /etc/emi-release
EMI release 1.0 (Kebnekaise)
```

```
[root@devel09 ~]# cat /etc/emi-version
1.1.0-1
```

- `wget --no-check-certificate https://twiki.cern.ch/twiki/pub/EMI/EMI1Updates/testing.repo`
- `yum update`
- `/opt/glite/yaim/bin/yaim -c -s site-info.def -n WMS`

- See log file

Test Report

List Match

List match without data

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Job ListMatch Testing
====> ++++++
```

Test 1: check if `glite-wms-job-list-match` command exists

Test 2: test a simple matching

Test 3: check `--delegationid` option

Test 4: exclude a CE from the match

Test 5: try a failure matching (`Requirements == false`)

```
====>
====> Test: WMS-listmatch-test.py
====> WMS: cream-45.pd.infn.it
====> Started: 16:40:17
====> Ended   : 16:40:22
====>
====>      === test PASSED ===
```

Test log file is `WMSService-TS_20110714164017.log`

List match with data

```
[ale@cream-12 DataReq]$ glite-wms-job-list-match -a -c ../etc/wmp_devel09.conf data-req.jdl
```

Connecting to the service `https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server`

=====

COMPUTING ELEMENT IDs LIST

The following CE(s) matching your job requirements have been found:

- *CEId*
- `cert-15.pd.infn.it:8443/cream-lsf-cert`
- `grid010.ct.infn.it:2119/jobmanager-lcgpbs-cert`
- `prod-ce-01.pd.infn.it:8443/cream-lsf-cert`
- `prod-ce-02.pd.infn.it:2119/jobmanager-lcglsf-cert`

=====

Submission

Normal job

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
====> ++++++
```

Set 1: Submit a normal job (3 cases LCG-CE, CREAM, general)

Test 1A: Submit to an LCG-CE

Test 1B: Submit to a CREAM CE

Test 1C: Submit without restrictions

```
====>
====> Test: WMS-job-cycle.py
====> WMS: cream-45
====> Started: 17:31:44
====> Ended  : 17:42:03
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110714173144.log

Collection job

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
====> ++++++
```

Set 2: Submit a bulk of jobs (3 cases LCG-CE, CREAM, general)

Test 2A: Submit to an LCG-CE

Test 2B: Submit to a CREAM CE

Test 2C: Submit without restrictions

```
====>
====> Test: WMS-job-cycle.py
====> WMS: cream-45
====> Started: 17:42:50
====> Ended  : 17:49:48
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110714174250.log

Parametric job

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
```

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```
====> ++++++
```

Set 3: Submit a parametric job (3 cases LCG-CE, CREAM, general)

Test 3A: Submit to an LCG-CE

Test 3B: Submit to a CREAM CE

Test 3C: Submit without restrictions

```
====>
```

```
====> Test: WMS-job-cycle.py
```

```
====> WMS: cream-45.pd.infn.it
```

```
====> Started: 11:43:39
```

```
====> Ended   : 11:54:30
```

```
====>
```

```
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110705174913.log

DAG job

```
====> ++++++
```

```
====> + TestSuite of the WMS Service
```

```
====> + Description: Test a complete job cycle: from submission to get output
```

```
====> ++++++
```

Set 4: Submit a DAG job

```
====>
```

```
====> Test: WMS-job-cycle.py
```

```
====> WMS: cream-45.pd.infn.it
```

```
====> Started: 10:15:14
```

```
====> Ended   : 10:20:47
```

```
====>
```

```
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110718114339.log

Parallel job

```
====> ++++++
```

```
====> + TestSuite of the WMS Service
```

```
====> + Description: Test a complete job cycle: from submission to get output
```

```
====> ++++++
```

Set 5: Submit a MPI job (3 cases LCG-CE, CREAM, general)

Test 5A: Submit to an LCG-CE

Test 5B: Submit to a CREAM CE

Test 5C: Submit without restrictions

```
====>
```

```
====> Test: WMS-job-cycle.py
```

```
====> WMS: cream-45.pd.infn.it
```

Parametric job

```
====> Started: 10:30:47
====> Ended  : 10:37:42
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110718103047.log

Perusal job

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test a complete job cycle: from submission to get output
====> ++++++

Set 6: Submit a perusal job

BEWARE default min perusal interval is 1000 secs, so this phase could take many minutes

====>
====> Test: WMS-job-cycle.py
====> WMS: cream-45.pd.infn.it
====> Started: 10:43:05
====> Ended  : 11:11:26
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110718104305.log

Cancel

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Job Cancel Testing
====> ++++++

Test 1: Try to cancel a normal job

Test 2: Try to cancel a DAG job

Test 3: Try to cancel one node of a DAG job

Test 4: Try to cancel a collection job

Test 5: Try to cancel one node of a collection job

Test 6: Try to cancel a parametric job

Test 7: Try to cancel one node of a parametric job

Test 8: Try to cancel a MPI job

====>
====> Test: WMS-job-cancel.py
====> WMS: cream-45
====> Started: 09:53:13
====> Ended  : 09:59:37
```

Parallel job

```
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110718095313.log

Others

Delegation

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: Test delegation operation
====> ++++++
```

Enter the user proxy password:

Test 1: Check --autm-delegation option

Test 2: Check --delegationid option

Test 3: Try to delegate with a short proxy and check the validity

Test 4: Works with expired proxy

```
====>
====> Test: WMS-delegation-test.py
====> WMS: cream-45.pd.infn.it
====> Started: 11:18:55
====> Ended  : 11:20:09
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110704112643.log

Prologue/Epilogue

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS test prologue and epilogue attributes
====> ++++++
```

Test 1: Test prologue attribute

Test 2: Test epilogue attribute

Test 3: Test prologue and epilogue attributes

```
====>
====> Test: WMS-prologue-epilogue.py
====> WMS: cream-45.pd.infn.it
====> Started: 12:24:24
====> Ended  : 12:30:13
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110718122424.log

Test proxy renewal

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS test proxy renewal operation
====> ++++++
```

Enter the user proxy password:

Test 1: Test proxy renewal with LCG CE

Test 2: Test proxy renewal with CREAM CE

Test 3: Test proxy renewal with LCG CE (without setting MYPROXYSERVER)

Test 4: Test proxy renewal with CREAM CE (without setting MYPROXYSERVER)

```
====>
====> Test: WMS-proxy-renewal.py
====> WMS: devel09.cnaf.infn.it
====> Started: 17:17:23
====> Ended  : 17:59:00
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110714171723.log

Shallow/Deep Resubmission

```
====> ++++++
====> + TestSuite of the WMS Service
====> + Description: WMS Job Resubmission Testing
====> ++++++
```

Test 1: Try a shallow resubmission

Test 2: Try a deep resubmission

```
====>
====> Test: WMS-job-resubmit.py
====> WMS: cream-45.pd.infn.it
====> Started: 11:24:18
====> Ended  : 11:38:27
====>
====>      === test PASSED ===
```

Test log file is WMSService-TS_20110718112418.log

Published information

bdb database definitions

- ldapsearch -x -H ldap://cream-45.pd.infn.it:2170 -b 'o=grid'

```
# extended LDIF
#
# LDAPv3
# base <o=grid> with scope subtree
# filter: (objectclass=*)
```

Test proxy renewal

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```
# requesting: ALL
#

# grid
dn: o=grid
objectClass: organization
o: grid

# local, grid
dn: Mds-Vo-name=local,o=grid
Mds-Vo-name: local
objectClass: Mds

# resource, grid
dn: Mds-Vo-name=resource,o=grid
Mds-Vo-name: resource
objectClass: Mds

# cream-45.pd.infn.it_org.glite.wms.WMProxy_308809923, resource, grid
dn: GlueServiceUniqueID=cream-45.pd.infn.it_org.glite.wms.WMProxy_308809923,Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VO:infngrid
GlueServiceAccessControlBaseRule: VO:atlas
GlueServiceAccessControlBaseRule: VO:alice
GlueServiceAccessControlBaseRule: VO:lhcb
GlueServiceAccessControlBaseRule: VO:cms
GlueServiceAccessControlBaseRule: VO:dteam
GlueServiceAccessControlBaseRule: VO:testers.eu-emi.eu
GlueServiceStatus: Other
GlueServiceStatusInfo: ??
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: cream-45.pd.infn.it_org.glite.wms.WMProxy_308809923
GlueServiceAccessControlRule: infngrid
GlueServiceAccessControlRule: atlas
GlueServiceAccessControlRule: alice
GlueServiceAccessControlRule: lhcb
GlueServiceAccessControlRule: cms
GlueServiceAccessControlRule: dteam
GlueServiceAccessControlRule: testers.eu-emi.eu
GlueServiceStartTime: 1970-01-01T01:00:00+01:00
GlueServiceEndpoint: https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server
GlueServiceVersion: 3.3.2
GlueSchemaVersionMinor: 3
GlueServiceName: JRA1-CREAM-TEST-WMProxy
GlueServiceType: org.glite.wms.WMProxy
GlueServiceWSDL: http://trinity.datamat.it/projects/EGEE/WMProxy/WMProxy.wsdl
GlueServiceSemantics: https://edms.cern.ch/file/674643/1/EGEE-JRA1-TEC-674643-WMPROXY-guide-v0-3.pdf
GlueForeignKey: GlueSiteUniqueID=JRA1-CREAM-TEST
GlueServiceOwner: infngrid
GlueServiceOwner: atlas
GlueServiceOwner: alice
GlueServiceOwner: lhcb
GlueServiceOwner: cms
GlueServiceOwner: dteam
GlueServiceOwner: testers.eu-emi.eu
GlueSchemaVersionMajor: 1

# DN, cream-45.pd.infn.it_org.glite.wms.WMProxy_308809923, resource, grid
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=cream-45.pd.infn.it_org.glite.wms.WMProxy_308809923,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
```

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```
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey: GlueServiceUniqueID=cream-45.pd.infn.it_org.glite.wms.WMPProxy_30
8809923
GlueServiceDataValue: /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-45.pd.infn.it

# glite-info-service_version, cream-45.pd.infn.it_org.glite.wms.WMPProxy_30880
9923, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=cream-45
.pd.infn.it_org.glite.wms.WMPProxy_308809923,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=cream-45.pd.infn.it_org.glite.wms.WMPProxy_30
8809923
GlueServiceDataValue: 1.6

# glite-info-service_hostname, cream-45.pd.infn.it_org.glite.wms.WMPProxy_3088
09923, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=cream-4
5.pd.infn.it_org.glite.wms.WMPProxy_308809923,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=cream-45.pd.infn.it_org.glite.wms.WMPProxy_30
8809923
GlueServiceDataValue: cream-45.pd.infn.it

# search result
search: 2
result: 0 Success

# numResponses: 8
# numEntries: 7
```

Stats database definitions

- `ldapsearch -x -H ldap://cream-45.pd.infn.it:2170 -b 'o=infosys'`

```
# extended LDIF
#
# LDAPv3
# base <o=infosys> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
# infosys
dn: o=infosys
objectClass: organization
o: infosys

# zip, infosys
dn: CompressionType=zip,o=infosys
objectClass: CompressedContent
Hostname: localhost
```

Stats database definitions

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```
CompressionType: zip
Data: file:///var/run/bdii/archive/11-07-18-12-26-40-snapshot.gz

# localhost, infosys
dn: Hostname=localhost,o=infosys
objectClass: UpdateStats
Hostname: localhost
FailedDeletes: 0
ModifiedEntries: 5
DeletedEntries: 0
UpdateTime: 0
FailedAdds: 0
FailedModifies: 0
TotalEntries: 14
QueryTime: 0
NewEntries: 1
DBUpdateTime: 0
ReadTime: 0
PluginsTime: 0
ProvidersTime: 0

# search result
search: 2
result: 0 Success

# numResponses: 4
# numEntries: 3
```

GLUE 2.0 database definitions

- `ldapsearch -x -H ldap://cream-45.pd.infn.it:2170 -b 'o=glue'`

```
# extended LDIF
#
# LDAPv3
# base <o=glue> with scope subtree
# filter: (objectclass=*)
# requesting: ALL
#
# glue
dn: o=glue
objectClass: organization
o: glue

# grid, glue
dn: GLUE2GroupID=grid,o=glue
objectClass: GLUE2Group
GLUE2GroupID: grid

# resource, glue
dn: GLUE2GroupID=resource,o=glue
objectClass: GLUE2Group
GLUE2GroupID: resource

# cream-45.pd.infn.it_wmproxy_308809923, resource, glue
dn: GLUE2ServiceID=cream-45.pd.infn.it_wmproxy_308809923,GLUE2GroupID=resource
,o=glue
GLUE2EntityValidity: 3600
GLUE2ServiceType: org.glite.wms.WMProxy
GLUE2ServiceID: cream-45.pd.infn.it_wmproxy_308809923
objectClass: GLUE2Service
GLUE2ServiceQualityLevel: production
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-service
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: InfoProviderHost=cream-45.pd.infn.it
```

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```
GLUE2ServiceComplexity: endpointType=1, share=0, resource=0
GLUE2EntityName: JRA1-CREAM-TEST-WMPProxy
GLUE2ServiceAdminDomainForeignKey: JRA1-CREAM-TEST
GLUE2EntityCreationTime: 2011-07-18T10:24:40Z

# cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProxy_308809923, crea
m-45.pd.infn.it_wmproxy_308809923, resource, glue
dn: GLUE2EndpointID=cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProx
y_308809923, GLUE2ServiceID=cream-45.pd.infn.it_wmproxy_308809923, GLUE2GroupID
=resource, o=glue
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA
GLUE2EntityValidity: 3600
GLUE2EndpointQualityLevel: production
GLUE2EndpointInterfaceName: org.glite.wms.WMPProxy
GLUE2EndpointTrustedCA: IGTF
objectClass: GLUE2Endpoint
GLUE2EndpointID: cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProxy_3
08809923
GLUE2EndpointInterfaceVersion: 3.3.2
GLUE2EndpointURL: https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: InfoProviderHost=cream-45.pd.infn.it
GLUE2EntityOtherInfo: MiddlewareName=EMI
GLUE2EntityOtherInfo: MiddlewareVersion=1.1.0-1
GLUE2EndpointDowntimeInfo: See the GOC DB for downtimes: https://goc.egi.eu/
GLUE2EndpointWSDL: http://trinity.datamat.it/projects/EGEE/WMPProxy/WMPProxy.wsd
l
GLUE2EndpointServingState: production
GLUE2EndpointHealthState: other
GLUE2EndpointSemantics: https://edms.cern.ch/file/674643/1/EGEE-JRA1-TEC-67464
3-WMPROXY-guide-v0-3.pdf
GLUE2EndpointServiceForeignKey: cream-45.pd.infn.it_wmproxy_308809923
GLUE2EntityName: WMPProxy endpoint for Service cream-45.pd.infn.it_wmproxy_3088
09923
GLUE2EndpointTechnology: webservice
GLUE2EntityCreationTime: 2011-07-18T10:24:40Z

# DN_1, cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProxy_308809923
, cream-45.pd.infn.it_wmproxy_308809923, resource, glue
dn: GLUE2ExtensionLocalID=DN_1, GLUE2EndpointID=cream-45.pd.infn.it_wmproxy_308
809923_org.glite.wms.WMPProxy_308809923, GLUE2ServiceID=cream-45.pd.infn.it_wmp
roxy_308809923, GLUE2GroupID=resource, o=glue
GLUE2ExtensionLocalID: DN_1
GLUE2ExtensionKey: DN
objectClass: GLUE2Extension
GLUE2ExtensionValue: /C=IT/O=INFN/OU=Host/L=Padova/CN=cream-45.pd.infn.it
GLUE2ExtensionEntityForeignKey: cream-45.pd.infn.it_wmproxy_308809923_org.glite
e.wms.WMPProxy_308809923

# cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProxy_308809923_Polic
y, cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProxy_308809923, cr
eam-45.pd.infn.it_wmproxy_308809923, resource, glue
dn: GLUE2PolicyID=cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMPProxy_
308809923_Policy, GLUE2EndpointID=cream-45.pd.infn.it_wmproxy_308809923_org.gl
ite.wms.WMPProxy_308809923, GLUE2ServiceID=cream-45.pd.infn.it_wmproxy_30880992
3, GLUE2GroupID=resource, o=glue
GLUE2AccessPolicyEndpointForeignKey: cream-45.pd.infn.it_wmproxy_308809923_org
.glite.wms.WMPProxy_308809923
GLUE2EntityValidity: 3600
objectClass: GLUE2Policy
objectClass: GLUE2AccessPolicy
GLUE2PolicyRule: VO:infngrid
GLUE2PolicyRule: VO:atlas
GLUE2PolicyRule: VO:alice
GLUE2PolicyRule: VO:lhcb
GLUE2PolicyRule: VO:cms
```

```
GLUE2PolicyRule: VO:dteam
GLUE2PolicyRule: VO:testers.eu-emi.eu
GLUE2PolicyScheme: org.glite.standard
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: InfoProviderHost=cream-45.pd.infn.it
GLUE2PolicyUserDomainForeignKey: infngrid
GLUE2PolicyUserDomainForeignKey: atlas
GLUE2PolicyUserDomainForeignKey: alice
GLUE2PolicyUserDomainForeignKey: lhcb
GLUE2PolicyUserDomainForeignKey: cms
GLUE2PolicyUserDomainForeignKey: dteam
GLUE2PolicyUserDomainForeignKey: testers.eu-emi.eu
GLUE2PolicyID: cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMProxy_308809923_Policy
GLUE2EntityName: Access control rules for Endpoint cream-45.pd.infn.it_wmproxy_308809923_org.glite.wms.WMProxy_308809923
GLUE2EntityCreationTime: 2011-07-18T10:24:40Z

# search result
search: 2
result: 0 Success

# numResponses: 8
# numEntries: 7
```

Performance test

Collection of 1000 nodes

Case A: production environment

- Collection ID: <https://devel09.cnaf.infn.it:9000/ERth4Os1FbmbZZwu3JaLbw>
- Nodes are submitted to a **production** environment (114 CEs):
 - ◆ 464 jobs are executed on a LCG CE
 - ◆ 536 jobs are executed in a CREAM CE
- Final Status:
 - ◆ 1000: Done (Success)

Stress test

Description

- 1440 collection of 25 nodes each (total: 36000 jobs)
- One collection every 60 seconds
- two users
- Use LCG-CEs and CREAM-CEs (with different batch systems)
- Use automatic-delegation
- The job is a "sleep random(666)"
- Resubmission is enabled
- Enable proxy renewal

Results

- 1160 collections submitted in 35488 seconds: 2/30/137 (min/avg/max)
- Jobs correctly submitted: 29000 (43.3% to CREAM CEs and 56.7% to LCG CEs)
 - ◆ DONE OK: 28935 (99.78%)
 - ◆ Aborted: 65 (0.22%)

Check Bugs (Regression tests)

Bug #69841 : cancel requests can bounce between JC and LM FIXED not certified

This bug cannot be easily replicate.

Bug #82687 : emi WMS problems with ISB tar file handling FIXED

Submit a jdl like this one:

```
[ale@cream-12 UI]$ cat 82687.jdl
[
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
InputSandbox = { "supercalifragilistichespiralidose.txt", "82687.jdl" } ;
OutputSandbox = { ".BrokerInfo", "ls.out" } ;
Retrycount = 2;
ShallowRetryCount = -1;
usertags = [ bug = "#82687" ];
VirtualOrganisation="dteam";
]
```

With a long file name as input file (and at least two files as input):

```
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_cream-45.conf 82687.jdl
```

```
Connecting to the service https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-submit Success =====
```

```
The job has been successfully submitted to the WMPProxy
Your job identifier is:
```

```
https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

When the job arrives to Done (Success):

```
[ale@cream-12 UI]$ glite-wms-job-status https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

```
===== glite-wms-job-status Success =====
```

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

```
Current Status:      Done (Success)
```

```
Logged Reason(s) :
```

```
-
```

```
-
```

```
- Job terminated successfully
```

```
Exit code:          0
```

```
Status Reason:      Job terminated successfully
```

```
Destination:        unime-ce-01.me.pi2s2.it:2119/jobmanager-lcglsf-cert
```

```
Submitted:          Mon Jul 18 16:47:53 2011 CEST
```

Check in the output file of the job if all the input files are listed:

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```
[ale@cream-12 UI]$ glite-wms-job-output https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw
```

```
Connecting to the service https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server
```

```
=====
```

```
JOB GET OUTPUT OUTCOME
```

```
Output sandbox files for the job:  
https://cream-45.pd.infn.it:9000/ehWYewLsPxn9Q3RYQz64gw  
have been successfully retrieved and stored in the directory:  
/tmp/jobOutput/ale_ehWYewLsPxn9Q3RYQz64gw
```

```
=====
```

```
[ale@cream-12 UI]$ cat /tmp/jobOutput/ale_ehWYewLsPxn9Q3RYQz64gw/ls.out
```

```
total 32K  
drwxr-xr-x 2 dteam033 dteam 4.0K Jul 18 16:53 .  
drwx----- 5 dteam033 dteam 4.0K Jul 18 16:50 ..  
-rw-r--r-- 1 dteam033 dteam 293 Jul 18 16:52 82687.jdl  
-rw-r--r-- 1 dteam033 dteam 3.6K Jul 18 16:52 .BrokerInfo  
-rw-r--r-- 1 dteam033 dteam 153 Jul 18 16:53 https_3a_2f_2fcream-45.pd.infn.it_3a9000_2fehWYewLs  
-rw-r--r-- 1 dteam033 dteam 0 Jul 18 16:53 ls.out  
-rw-r--r-- 1 dteam033 dteam 17 Jul 18 16:51 supercalifragilistichespiralidose.txt  
-rw----- 1 dteam033 dteam 2 Jul 18 16:53 tmp.cgesDD8989  
-rw----- 1 dteam033 dteam 103 Jul 18 16:53 tmp.ODAMIs8990  
-rw----- 1 dteam033 dteam 0 Jul 18 16:53 tmp.taaebr8988
```

Bug #82776 : typo in WMS jobwrapper FIXED

Simply check the JobWrapper template on the WMS:

```
[root@cream-45 ~]# cat /usr/share/glite-wms/jobwrapper.template.sh | grep "Taken token ${__shal  
push_in_LM_done_reason "Taken token ${__shallow_resubmission_token}"
```

Bug #82983 : [yaim-wms] authorization problem in WMS EMI-1 FIXED

Simply check that in the file *glite_wms_wmproxy.gacl* file there are not entry with the word ROLE in upper case:

```
[root@devel09 ~]# grep ROLE /etc/glite-wms/glite_wms_wmproxy.gacl  
[root@devel09 ~]#
```

Bug #84155 : Internal proxy structure conversion error in ICE FIXED

Take a long jdl where MyProxyServer attribute is set and that require a cream CE as destination; like this one:

```
[ale@cream-12 UI]$ cat 84155.jdl  
[  
Executable = "/bin/sleep" ;  
InputSandbox = { "/home/ale/UI/data/pippo" };  
Arguments="900";  
Environment={"VARIABLE=test"};  
Myproxyserver="myproxy.cnaf.infn.it";  
requirements = RegExp("/cream-", other.GlueCEUniqueID);  
]
```

Submit it with a shorter proxy:

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```
[ale@cream-12 UI]$ voms-proxy-init -voms dteam --valid 00:15
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Creating temporary proxy .....
Contacting voms2.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr]
Creating proxy ..... Done
```

Your proxy is valid until Mon Jul 18 17:26:25 2011

```
[ale@cream-12 UI]$ glite-wms-job-submit -a -c etc/wmp_devel09.conf 84155.jdl
```

Connecting to the service https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server

```
===== glite-wms-job-submit Success =====
```

The job has been successfully submitted to the WMPProxy
Your job identifier is:

```
https://devel09.cnaf.infn.it:9000/y1SvV\_0b28RkBsCMBp0ZCA
```

Check that its proxy is valid for no more that 15 minutes:

```
[ale@cream-12 UI]$ glite-wms-job-info -p https://devel09.cnaf.infn.it:9000/y1SvV\_0b28RkBsCMBp0ZCA
```

Connecting to the service https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server

```
===== glite-wms-job-info Success =====
```

Your proxy delegated to the endpoint https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server
for the job https://devel09.cnaf.infn.it:9000/y1SvV_0b28RkBsCMBp0ZCA :

```
Subject      : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy/CN=proxy
Issuer       : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
Identity     : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
Type         : proxy
Strength     : 512
StartDate    : 18 July 2011 - 17:06:45
Expiration   : 18 July 2011 - 17:25:45
Timeleft     : 13 min 47 sec
```

```
=== VO dteam extension information ===
```

```
VO          : dteam
Subject     : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Issuer      : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr
URI         : voms2.hellasgrid.gr:15004
Attribute   : /dteam/Role=NULL/Capability=NULL
Attribute   : /dteam/NGI_IT/Role=NULL/Capability=NULL
StartTime   : 18 July 2011 - 17:11:25
Expiration  : 18 July 2011 - 17:26:25
Timeleft    : 14 min 27 sec
```

Wait until it finishes successfully:

```
[ale@cream-12 WMS-service]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/y1SvV\_0b28RkBsCMBp0ZCA
```

```
===== glite-wms-job-status Success =====
```

BOOKKEEPING INFORMATION:

Status info for the Job : https://devel09.cnaf.infn.it:9000/y1SvV_0b28RkBsCMBp0ZCA

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

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Exit code: 0
Status Reason: Job Terminated Successfully
Destination: ce203.cern.ch:8443/cream-lsf-grid_dteam
Submitted: Mon Jul 18 17:11:46 2011 CEST
=====

This topic: WMS > Task20812

Topic revision: r25 - 2011-07-21 - AlessioGianelle



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