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# WMS 3.4 EMI2 precertification report

## Testing server on: devel09.cnaf.infn.it (SL5) and devel08.cnaf.infn.it (SL6)

17/7/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/0cbf8e3b-7082-40d4-8667-906d62de8742//sl6\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/0cbf8e3b-7082-40d4-8667-906d62de8742//sl6_x86_64)

31/07/2012 Tested list-match, job-submit, delegation, job-info installing from testing repository

9/7/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/c3998ef5-2745-43b8-b7c7-7a1cc8e069b2/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/c3998ef5-2745-43b8-b7c7-7a1cc8e069b2/sl5_x86_64)

12/06/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/c3998ef5-2745-43b8-b7c7-7a1cc8e069b2/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/c3998ef5-2745-43b8-b7c7-7a1cc8e069b2/sl5_x86_64)

28/03/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/d0831cfb-9bcf-4588-8a6d-edf8fbd7d3b3/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/d0831cfb-9bcf-4588-8a6d-edf8fbd7d3b3/sl5_x86_64)

23/02/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/bbf07458-a777-4062-94e3-409a2b481cac/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/bbf07458-a777-4062-94e3-409a2b481cac/sl5_x86_64)

21/03/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/73c67e19-8837-4ced-ab48-c7cadefdf589/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/73c67e19-8837-4ced-ab48-c7cadefdf589/sl5_x86_64)

## Installation

clean install reports attached at the bottom of this document

## Testing client on: devel15.cnaf.infn.it (SL5)

23/04/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/1651ef71-bd32-48bb-9eb7-692297c56ad1/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/1651ef71-bd32-48bb-9eb7-692297c56ad1/sl5_x86_64)

18/04/2012 Using repository

[http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/9bca1e56-da1c-4b92-8a96-28bbe62a21b9/sl5\\_x86\\_64](http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/9bca1e56-da1c-4b92-8a96-28bbe62a21b9/sl5_x86_64)

18/04/2012 UI Installation report (excerpts)

Upgraded from EMI-1 UI:

```
[root@devel15 mcecchi]# head -30 /etc/yum.repos.d/ui_emi2.repo
# ETICS Automatic Repomd (Yum) Repository
#
# Submission ID: 9bca1e56-da1c-4b92-8a96-28bbe62a21b9
# Platform: sl5_x86_64_gcc412EPEL
# Date: 18/04/2012 11:28:33
#
# Project Name: emi
# Configuration Name: emi-wms-ui_B_3_4
# Configuration Version: 3.4.99-0
#
# Configuration Version: 3.4.99-0
#
```

## WMS34\_precertification\_test < WMS < TWiki

```
# Build Reports: http://etics-repository.cern.ch/repository/reports/id/9bca1e56-dalc-4b92-8a96-28
#
# Author: CN=Paolo Andreetto, L=Padova, OU=Personal Certificate, O=INFN, C=IT

[ETICS-volatile-build-9bca1e56-dalc-4b92-8a96-28bbe62a21b9-sl5_x86_64_gcc412EPEL]
name=ETICS build of emi-wms-ui_B_3_4 on sl5_x86_64_gcc412EPEL
baseurl=http://etics-repository.cern.ch/repository/pm/volatile/repomd/id/9bca1e56-dalc-4b92-8a96-
protect=0
enabled=1
gpgcheck=0
priority=40

# 31 packages available in this repository:
#
# emi-delegation-interface (2.0.3-1.sl5)
# http://etics-repository.cern.ch/repository/uuid/volatile/c8fcf5d9-5667-4e34-b574-eaeaa26fc503/e
#
# emi-delegation-java (2.2.0-2.sl5)

[root@devel15 mcecchi]# head -30 /etc/yum.repos.d/emi-2-rc4-sl5.repo
[core]
name=name=SL 5 base
baseurl=http://linuxsoft.cern.ch/scientific/5x/$basearch/SL
    http://ftp.scientificlinux.org/linux/scientific/5x/$basearch/SL
    http://ftpl.scientificlinux.org/linux/scientific/5x/$basearch/SL
    http://ftp2.scientificlinux.org/linux/scientific/5x/$basearch/SL
protect=0

[extras]
name=epel
mirrorlist=http://mirrors.fedoraproject.org/mirrorlist?repo=epel-5&arch=$basearch
protect=0

[EGI-trustanchors]
name=EGI-trustanchors
baseurl=http://repository.egi.eu/sw/production/cas/1/current/
gpgkey=http://repository.egi.eu/sw/production/cas/1/GPG-KEY-EUGridPMA-RPM-3
gpgcheck=1
enabled=1

[EMI-2-RC4-base]
name=EMI 2 RC4 Base Repository
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RC4/sl5/$basearch/base
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi
priority=45
protect=0
enabled=1
gpgcheck=0

[EMI-2-RC4-third-party]

[root@devel15 mcecchi]# rpm -qa | grep glite-wms
glite-wms-utils-exception-3.3.0-2.sl5
glite-wms-ui-api-python-3.4.99-0.sl5
glite-wms-ui-commands-3.4.99-0.sl5
glite-wms-brokerinfo-access-lib-3.4.99-0.sl5
glite-wms-wmproxy-api-java-3.4.99-0.sl5
glite-wms-wmproxy-api-python-3.4.99-0.sl5
glite-wms-utils-classad-3.3.0-2.sl5
glite-wms-wmproxy-api-cpp-3.4.99-0.sl5
glite-wms-brokerinfo-access-3.4.99-0.sl5
[root@devel15 mcecchi]#
```

## Deployment/Configuration/Installation notes (for SERVER)

### LCMAPS needs configuration **FIXED**

In /etc/lcmaps/lcmaps.db.gridftp, /etc/lcmaps/lcmaps.db replace:

```
path = /usr/lib64/modules ---> path = /usr/lib64/lcmaps
```

and several misconfiguration errors in yaim-core (yaim for lcas-lcmaps-gt4-interface) that cause:

```

Mar 21 12:56:10 devel09 glite_wms_wmproxy_server: lcmaps: (null): LCMAPS
initialization failure
Mar 21 12:56:48 devel09 glite_wms_wmproxy_server: lcmaps:
/etc/lcmaps/lcmaps.db:53: [error] variable 'good' already defined at
line 9;
Mar 21 12:56:48 devel09 glite_wms_wmproxy_server: lcmaps:
/etc/lcmaps/lcmaps.db:53: [error] pervious value: 'lcmaps_dummy_good.mod'.
Mar 21 12:56:48 devel09 glite_wms_wmproxy_server: lcmaps:
/etc/lcmaps/lcmaps.db:56: [error] variable 'localaccount' already
defined at line 11;
Mar 21 12:56:48 devel09 glite_wms_wmproxy_server: lcmaps:
/etc/lcmaps/lcmaps.db:56: [error] pervious value:
'lcmaps_localaccount.mod -gridmapfile /etc/grid-security/grid-mapfile'.
Mar 21 12:56:48 devel09 glite_wms_wmproxy_server: lcmaps:
/etc/lcmaps/lcmaps.db:61: [error] variable 'poolaccount' already defined
at line 14;

```

As of June 15th, 2012, a fresh install with these artefacts:

```
[root@devel09 SandboxDir]# rpm -qa | grep lcmaps lcmaps-1.5.5-1.el5 lcas-lcmaps-gt4-interface-0.2.1-4.el5
lcmaps-without-gsi-1.5.5-1.el5 lcmaps-plugins-basic-1.5.0-3.el5 lcmaps-plugins-voms-1.5.3-1.el5
```

seems to have the proper configuration

### **LB**

mode=both: **PASS** (used throughout in the tests)

mode=server: **PASS**

mcecchi 17/05/2012. Tried with devel07 as EMI-2 LB server.

```
[mcecchi@ui ~]$ glite-wms-job-submit -a --endpoint https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
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://devel07.cnaf.infn.it:9000/YSm5s0kWCCZLjPjF2cp4vw
```

```
=====
```

```
[mcecchi@ui ~]$ glite-wms-job-logging-info https://devel07.cnaf.infn.it:9000/YSm5s0kWCCZLjPjF2cp4vw
```

```
===== glite-job-logging-info Success =====
```

LOGGING INFORMATION:

Printing info for the Job : <https://devel07.cnaf.infn.it:9000/YSm5s0kWCCZLjPjF2cp4vw>

```

---
Event: RegJob
- Source           = NetworkServer
- Timestamp        = Thu May 17 17:38:24 2012 CEST
---
Event: Accepted
- Source           = NetworkServer
- Timestamp        = Thu May 17 17:38:24 2012 CEST
---
Event: EnQueued
- Result           = START
- Source           = NetworkServer
- Timestamp        = Thu May 17 17:38:24 2012 CEST
---
Event: EnQueued
- Result           = OK
- Source           = NetworkServer
- Timestamp        = Thu May 17 17:38:24 2012 CEST
---
Event: DeQueued
- Source           = WorkloadManager
- Timestamp        = Thu May 17 17:38:25 2012 CEST
---
Event: Pending
- Source           = WorkloadManager
- Timestamp        = Thu May 17 17:38:26 2012 CEST
=====

```

## Major changes (only for SERVER)

### \* **GLUE2 purchasing and match-making**

- There is one and only ISM. User requirements are appended to WmsRequirements, that included authentication checks and various constraints on the resource side. According to what type of purchaser is selected, the user and wms requirements expressions must be adapted accordingly. They can also be crafted in such a way to be able to manage the co-existence of GLUE 1.3 and 2.0 purchasers. The selection is done with these attributes:

```
EnableIsmIiGlue13Purchasing = ; EnableIsmIiGlue20Purchasing == ;
```

The default is c) `EnableIsmIiGlue13Purchasing = true & EnableIsmIiGlue20Purchasing = false`:

The GLUE 1.3 purchaser is always executed before the GLUE 2.0 one. In this way, when the latter starts it can find:

c1) esiste già in ISM un G13Ad con id = G2Ad.id: allora si fa semplicemente un `C13.Ad.Update(G2Ad)` (di fatto merge). La risorsa risultante sarà matchabile con requirements G2 o G13 indipendentemente inoltre, in questo modo, anche la parte di storage continuerà a funzionare purchè eventuali attributi nel JDL riguardanti lo storage siano espressi in G13.

c2) in ISM non c'e' un AD con lo stesso G2Ad.id: in questo caso non facciamo alcun update ma un bel insert dell'ad che sarà matchabile solo con requirements G2 compliant nel JDL.

For example, the authZ check would become:

```
if(defined(other.GlueCEAccessControlBaseRule) ,  
member(CertificateSubject,other.GlueCEAccessControlBaseRule),  
member(CertificateSubject,other.GLUE2.Computing.Endpoint.Policy));
```

## \* **Argus authZ for access control**

for the moment only openssl old DN format is accepted.

## \* **dagmanless DAGs**

Nodes are re-evaluated in the WM every MatchRetryPeriod

## \* **Condor 7.8.0**

It will fully enable submission to GRAM5 CEs. The feature requires testing submission to LCG-CE, ARC CE, OSG gram2 and gram5

## \* **refactoring of authN/Z in wmp**

requires to test authN/Z at large, not only for Argus

## \* **support for RFC proxies**

(<https://savannah.cern.ch/bugs/?88128> )

LCG-CE not expected to support them. OSG, ARC and CREAM CEs will.

## **Conf. Changes**

- removed DagmanLogLevel
  - removed DagmanLogRotate
  - removed DagmanMaxPre
  - removed MaxDAGRunningNodes
  - removed wmp tools
  - removed par. bulkMM
  - removed par. filelist
  - removed par. locallogger in wmp
  - removed asynch purchasing
  - added IiGlueLib (= "libglite\_wms\_ism\_ii\_purchaser.so.0");
  - added EnableIsmIiGlue20Purchasing and EnableIsmIiGlue13Purchasing
- \* GLUE2 purchasing and match-making

- added LDAP filters for g2 ii purchasers, IsmIiG2LDAPCEFilterExt & IsmIiG2LDAPSEFilterExt
- added attributes for .so in dlopen (helper, purchasers)
- par. MatchRetryPeriod reduced 600 -> 300. It now also indicates the time interval with which DAGs are evaluated by the WM engine
- SbRetryDifferentProtocols = true by default in WM conf
- WmsRequirements now has also the queue requirements, that were hard-coded before

## LIST OF BUGS

Server

Vulnerability bug in ICE's proxy renewal (Advisory-SVG-2012-4073)	✓
Vulnerability bug in ICE's proxy renewal (Advisory-SVG-2012-4039)	✓
glite-wms-ice-proxy-renew can block indefinitely ( <a href="https://savannah.cern.ch/bugs/?95584">https://savannah.cern.ch/bugs/?95584</a> )	✓
yaim-wms: set ldap query filter expression for GLUE2 in WMS configuration ( <a href="https://savannah.cern.ch/bugs/?91563">https://savannah.cern.ch/bugs/?91563</a> )	✓
JobController logfile name is misspelled ( <a href="https://savannah.cern.ch/bugs/?32611">https://savannah.cern.ch/bugs/?32611</a> )	✓
glite-wms-job-submit doesn't always pick up other WMPProxy endpoints if load on WMS is high ( <a href="https://savannah.cern.ch/bugs/?40370">https://savannah.cern.ch/bugs/?40370</a> )	✓
[wms] GlueServiceStatusInfo content is ugly ( <a href="https://savannah.cern.ch/bugs/?48068">https://savannah.cern.ch/bugs/?48068</a> )	✓
[ yaim-wms ] CeForwardParameters should include several more parameters ( <a href="https://savannah.cern.ch/bugs/?61315">https://savannah.cern.ch/bugs/?61315</a> )	✓
WMS needs cron job to kill stale GridFTP processes ( <a href="https://savannah.cern.ch/bugs/?67489">https://savannah.cern.ch/bugs/?67489</a> )	✓
WMPProxy code requires FQANs ( <a href="https://savannah.cern.ch/bugs/?72169">https://savannah.cern.ch/bugs/?72169</a> )	✓
WMPProxy limiter should log more at info level ( <a href="https://savannah.cern.ch/bugs/?72280">https://savannah.cern.ch/bugs/?72280</a> )	✓
There's an un-catched out_of_range exception in the ICE component ( <a href="https://savannah.cern.ch/bugs/?75099">https://savannah.cern.ch/bugs/?75099</a> )	✓
ICE jobdir issue - 1 bad CE can block all jobs ( <a href="https://savannah.cern.ch/bugs/?80751">https://savannah.cern.ch/bugs/?80751</a> )	✓
Cancellation of a dag's node doesn't work ( <a href="https://savannah.cern.ch/bugs/?81651">https://savannah.cern.ch/bugs/?81651</a> )	✓
Deregistration of a proxy (2) ( <a href="https://savannah.cern.ch/bugs/?83453">https://savannah.cern.ch/bugs/?83453</a> )	✓
Last LB event logged by ICE when job aborted for proxy expired should be ABORTED ( <a href="https://savannah.cern.ch/bugs/?84839">https://savannah.cern.ch/bugs/?84839</a> )	✓
queryDb has 2 bugs handling user's options (see ggus ticket for more info) ( <a href="https://savannah.cern.ch/bugs/?86267">https://savannah.cern.ch/bugs/?86267</a> )	✓
WMproxy GACLs do not support wildcards (as they used to do) ( <a href="https://savannah.cern.ch/bugs/?87261">https://savannah.cern.ch/bugs/?87261</a> )	✓
Submission with rfc proxy doesn't work ( <a href="https://savannah.cern.ch/bugs/?88128">https://savannah.cern.ch/bugs/?88128</a> )	✓
Semi-automated service backends configuration for WMS (task #23845, EMI Development Tracker, Done)	✓
GlueServiceStatusInfo: ?? ( <a href="https://savannah.cern.ch/bugs/?89435">https://savannah.cern.ch/bugs/?89435</a> )	✓
EMI WMS wmpoxy rpm doesn't set execution permissions as it used to do in gLite ( <a href="https://savannah.cern.ch/bugs/?89506">https://savannah.cern.ch/bugs/?89506</a> )	✓
EMI WMS WM might abort resubmitted jobs ( <a href="https://savannah.cern.ch/bugs/?89508">https://savannah.cern.ch/bugs/?89508</a> )	✓
EMI WMS wmpoxy init.d script stop/start problems ( <a href="https://savannah.cern.ch/bugs/?89577">https://savannah.cern.ch/bugs/?89577</a> )	✓
glite-wms-check-daemons.sh should not restart daemons under the admin's nose ( <a href="https://savannah.cern.ch/bugs/?89674">https://savannah.cern.ch/bugs/?89674</a> )	✓
Wrong location for PID file ( <a href="https://savannah.cern.ch/bugs/?89857">https://savannah.cern.ch/bugs/?89857</a> )	✓
WMS logs should keep track of the last 90 days ( <a href="https://savannah.cern.ch/bugs/?89871">https://savannah.cern.ch/bugs/?89871</a> )	✓
LB failover mechanism in WMproxy needs to be reviewed ( <a href="https://savannah.cern.ch/bugs/?90034">https://savannah.cern.ch/bugs/?90034</a> )	✓

WMS34\_precertification\_test < WMS < TWiki

yaim-wms creates wms.proxy in wrong path ( <a href="https://savannah.cern.ch/bugs/?90129">https://savannah.cern.ch/bugs/?90129</a> )	✓
cron job deletes /var/proxycache ( <a href="https://savannah.cern.ch/bugs/?90640">https://savannah.cern.ch/bugs/?90640</a> )	✓
yaim-wms changes for Argus based authZ ( <a href="https://savannah.cern.ch/bugs/?90760">https://savannah.cern.ch/bugs/?90760</a> )	✓
ICE should use env vars in its configuration ( <a href="https://savannah.cern.ch/bugs/?90830">https://savannah.cern.ch/bugs/?90830</a> )	✓
ICE log verbosity should be reduced to 300 ( <a href="https://savannah.cern.ch/bugs/?91078">https://savannah.cern.ch/bugs/?91078</a> )	✓
Make some WMS init scripts System V compatible ( <a href="https://savannah.cern.ch/bugs/?91115">https://savannah.cern.ch/bugs/?91115</a> )	✓
move lcmaps.log from /var/log/glite to WMS_LOCATION_LOG ( <a href="https://savannah.cern.ch/bugs/?91484">https://savannah.cern.ch/bugs/?91484</a> )	✓
WMS: use logrotate uniformly in ice, lm, jc, wm, wmp ( <a href="https://savannah.cern.ch/bugs/?91486">https://savannah.cern.ch/bugs/?91486</a> )	✓
remove several dismissed parameters from the WMS configuration ( <a href="https://savannah.cern.ch/bugs/?91488">https://savannah.cern.ch/bugs/?91488</a> )	✓
Pid file of ICE and WM has glite ownership ( <a href="https://savannah.cern.ch/bugs/?91834">https://savannah.cern.ch/bugs/?91834</a> )	✓
The job replanner should be configurable ( <a href="https://savannah.cern.ch/bugs/?91941">https://savannah.cern.ch/bugs/?91941</a> )	✓
some sensible information should be logged on syslog ( <a href="https://savannah.cern.ch/bugs/?92657">https://savannah.cern.ch/bugs/?92657</a> )	✓
EMI-1 WMS does not propagate user job exit code ( <a href="https://savannah.cern.ch/bugs/?92922">https://savannah.cern.ch/bugs/?92922</a> )	✓
glite_wms_wmproxy_server segfaults after job registration failure ( <a href="https://savannah.cern.ch/bugs/?94845">https://savannah.cern.ch/bugs/?94845</a> )	✓

UI

glite-wms-job-status needs a better handling of purged-related error code. ( <a href="https://savannah.cern.ch/bugs/?85063">https://savannah.cern.ch/bugs/?85063</a> )	✓	
WMS UI depends on a buggy libtar (on SL5 at least) ( <a href="https://savannah.cern.ch/bugs/?89443">https://savannah.cern.ch/bugs/?89443</a> )	✓	mcecchi 18/04/12 WARNING: [mcecchi@devel15 ~]\$ ldd /usr/bin/glite-wms-job-submit 'pipe' grep libtar, gives: libtar.so.1 => /usr/lib64/libtar.so.1 (0x000000350c000000), the dependency still exists
getaddrinfo() sorts results according to RFC3484, but random ordering is lost ( <a href="https://savannah.cern.ch/bugs/?82779">https://savannah.cern.ch/bugs/?82779</a> )	✓	
glite-wms-job-status needs a json-compliant format ( <a href="https://savannah.cern.ch/bugs/?82995">https://savannah.cern.ch/bugs/?82995</a> )	✓	
Files specified with absolute paths shouldn't be used with inputsandboxbaseuri ( <a href="https://savannah.cern.ch/bugs/?74832">https://savannah.cern.ch/bugs/?74832</a> )	✓	
Too much flexibility in JDL syntax ( <a href="https://savannah.cern.ch/bugs/?75802">https://savannah.cern.ch/bugs/?75802</a> )	✓	
glite-wms-job-list-match --help show an un-implemented (and useless) option "--default-jdl" ( <a href="https://savannah.cern.ch/bugs/?87444">https://savannah.cern.ch/bugs/?87444</a> )	✓	
WMS-UI: update "KNOWN PROBLEMS AND CAVEATS" section of WMPROXY guide ( <a href="https://savannah.cern.ch/bugs/?90003">https://savannah.cern.ch/bugs/?90003</a> )	✓	
WMS UI emi-wmproxy-api-cpp and emi-wms-ui-api-python still use gethostbyaddr/gethostbyname ( <a href="https://savannah.cern.ch/bugs/?89668">https://savannah.cern.ch/bugs/?89668</a> )	✓	
pkg-config info for wmproxy-api-cpp should be enriched ( <a href="https://savannah.cern.ch/bugs/?85799">https://savannah.cern.ch/bugs/?85799</a> )	✓	



## UI BASIC FUNCTIONALITY TESTS

23/04/2012:

```
[mcecchi@devel15 ~]$ glite-wms-job-logging-info --debug --logfile log.txt --output output.txt ht
```

```
VirtualOrganisation value :dteam
```

```
####
```

```
Configuration file loaded: //etc/glite_wmsui_cmd_var.conf
```

```
[
```

```
]
```

```
#### Mon Apr 23 12:33:07 2012 Debug Message ####
```

```
Selected Virtual Organisation name (from proxy certificate extension): dteam
```

```
VOMS configuration file successfully loaded:
```

```
[
```

```
]
```

```
#### End Dehttps://savannah.cern.ch/bugs/?###
```

```
**** Error: UI_GENERIC_ERROR_ON_JOB_ID ****
```

```
Error retrieving information on JobID "https://emitb1.ics.muni.cz:9000/q6tmTtMPfuXAN1xY8YPXGA".
```

```
Error description: Unable to retrieve the Job Events for: https://emitb1.ics.muni.cz:9000/q6tmTtM
```

```
glite.lb.Exception: edg_wll_JobLog: No such file or directory: no matching events found
```

```
at glite::lb::Job::log[./src/Job.cpp:123]
```

```
*** Log file created ***
```

```
Possible Errors and Debug messages have been printed in the following file:
```

```
/home/mcecchi/log.txt
```

```
[mcecchi@devel15 ~]$ glite-wms-job-status --debug https://emitb1.ics.muni.cz:9000/0GK5XFRiKmSEs8j
```

```
VirtualOrganisation value :dteam
```

```
####
```

```
Configuration file loaded: //etc/glite_wmsui_cmd_var.conf
```

```
[
```

```
]
```

```
#### Mon Apr 23 12:33:18 2012 Debug Message ####
```

```
Selected Virtual Organisation name (from proxy certificate extension): dteam
```

```
VOMS configuration file successfully loaded:
```

```
[
```

```
]
```

```
#### End Dehttps://savannah.cern.ch/bugs/?###
```

```
#### Mon Apr 23 12:33:18 2012 Debug API ####
```

```
The function 'Job::getStatus' has been called with the following parameter(s):
```

```
>> https://emitb1.ics.muni.cz:9000/0GK5XFRiKmSEs8jBY_2Alg
```

```
>> 1
```

```
#### End Dehttps://savannah.cern.ch/bugs/?###
```

```
**** Error: API_NATIVE_ERROR ****
```

```
Error while calling the "Job:getStatus" native api
```

```
Unable to retrieve the status for: https://emitb1.ics.muni.cz:9000/0GK5XFRiKmSEs8jBY_2Alg
```

```
glite.lb.Exception: edg_wll_JobStatus: Operation not permitted: matching jobs found but authoriza
```

```
at glite::lb::Job::status[./src/Job.cpp:87]
```

```
*** Log file created ***
```

```
Possible Errors and Debug messages have been printed in the following file:
```

```
/tmp/glite-wms-job-status_505_7423_1335177198.log
```

## WMS34\_precertification\_test < WMS < TWiki

18/04/2012:

```
[mcecchi@devel15 ~]$ voms-proxy-info --all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
type      : proxy
strength  : 1024 bits
path      : /tmp/x509up_u505
timeleft  : 46:41:06
key usage : Digital Signature, Key Encipherment, Data Encipherment
=== VO dteam extension information ===
VO        : dteam
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
issuer    : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr
attribute : /dteam/Role=NULL/Capability=NULL
attribute : /dteam/NGI_IT/Role=NULL/Capability=NULL
timeleft  : 22:41:06
uri       : voms.hellasgrid.gr:15004
[mcecchi@devel15 ~]$
[mcecchi@devel15 ~]$ glite-wms-job-delegate-proxy -d mcecchi --endpoint https://wms013.cnaf.infn.it

Connecting to the service https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server

===== glite-wms-job-delegate-proxy Success =====

Your proxy has been successfully delegated to the WMPProxy(s):
https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server
with the delegation identifier: mcecchi

=====

[mcecchi@devel15 ~]$ glite-wms-job-info -d mcecchi --endpoint https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server

Connecting to the service https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server

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

Your proxy delegated to the endpoint https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server
with delegationID mcecchi:

Subject      : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy/CN=proxy
Issuer       : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy
Identity     : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi/CN=proxy
Type        : proxy
Strength     : 512
StartDate    : 18 Apr 2012 - 14:38:44
Expiration   : 20 Apr 2012 - 13:03:44
Timeleft     : 1 days 22 hours 19 min 12 sec
=== VO dteam extension information ===
VO          : dteam
Subject     : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Marco Cecchi
Issuer      : /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr
URI         : voms.hellasgrid.gr:15004
Attribute   : /dteam/Role=NULL/Capability=NULL
Attribute   : /dteam/NGI_IT/Role=NULL/Capability=NULL
StartTime   : 18 Apr 2012 - 13:04:36
Expiration  : 19 Apr 2012 - 13:04:36
Timeleft    : 22 hours 20 min 04 sec

=====
```

## WMS34\_precertification\_test < WMS < TWiki

```
[mcecchi@devel15 ~]$ cat zipped_isb.jdl
```

```
[
Executable = "/bin/echo";
EnableZippedISB=true;
a=[b=23];
Arguments = "Hello";
StdOutput = "out.log";
StdError = "err.log";
InputSandbox = {"Test.sh"};
OutputSandbox = {"out.log", "err.log"};
requirements = !RegExp("cream.*", other.GlueCEUniqueID);
AllowZippedISB = true;
rank=a.b*3;
myproxyserver="";
#myproxyserver="myproxy.cnaf.infn.it";
RetryCount = 0;
ShallowRetryCount = -1;
]
```

```
[mcecchi@devel15 ~]$ glite-wms-job-submit --version
```

```
WMS User Interface version 3.3.3
Copyright (C) 2008 by ElsagDatamat SpA
```

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

```
WMPProxy Version: 3.3.1
```

```
[mcecchi@devel15 ~]$ glite-wms-job-submit -d mcecchi --endpoint https://wms013.cnaf.infn.it:7443/
```

```
Connecting to the service https://wms013.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://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
```

```
=====
```

```
[mcecchi@devel15 ~]$ glite-wms-job-status --json https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
```

```
{ "result": "success" , "https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA": { "Current Sta
[mcecchi@devel15 ~]$ glite-wms-job-status https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
Current Status:      Done(Success)
Exit code:           0
Status Reason:       Job terminated successfully
Destination:         ceprod03.grid.hep.ph.ic.ac.uk:2119/jobmanager-sge-long
Submitted:           Wed Apr 18 14:26:51 2012 CEST
=====
```

```
[mcecchi@devel15 ~]$ glite-wms-job-logging-info https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
```

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

```
LOGGING INFORMATION:
```

```
Printing info for the Job : https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
```

```

---
Event: RegJob
- Source           = NetworkServer
- Timestamp        = Wed Apr 18 14:26:51 2012 CEST
---
Event: Accepted
- Source           = NetworkServer
- Timestamp        = Wed Apr 18 14:26:52 2012 CEST
---
Event: EnQueued
- Result           = START
- Source           = NetworkServer
- Timestamp        = Wed Apr 18 14:26:52 2012 CEST
---
Event: EnQueued
- Result           = OK
- Source           = NetworkServer
- Timestamp        = Wed Apr 18 14:26:52 2012 CEST
---
Event: DeQueued
- Source           = WorkloadManager
- Timestamp        = Wed Apr 18 14:26:53 2012 CEST
---
Event: Match
- Dest id          = cepro03.grid.hep.ph.ic.ac.uk:2119/jobmanager-sge-long
- Source           = WorkloadManager
- Timestamp        = Wed Apr 18 14:26:53 2012 CEST
---
Event: UserTag
- Source           = WorkloadManager
- Timestamp        = Wed Apr 18 14:26:53 2012 CEST
---
Event: EnQueued
- Result           = START
- Source           = WorkloadManager
- Timestamp        = Wed Apr 18 14:26:53 2012 CEST
---
Event: EnQueued
- Result           = OK
- Source           = WorkloadManager
- Timestamp        = Wed Apr 18 14:26:53 2012 CEST
---
Event: DeQueued
- Source           = JobController
- Timestamp        = Wed Apr 18 14:26:54 2012 CEST
---
Event: Transfer
- Destination      = LogMonitor
- Result           = START
- Source           = JobController
- Timestamp        = Wed Apr 18 14:26:54 2012 CEST
---
Event: Transfer
- Destination      = LogMonitor
- Result           = OK
- Source           = JobController
- Timestamp        = Wed Apr 18 14:26:54 2012 CEST
---
Event: Accepted
- Source           = LogMonitor
- Timestamp        = Wed Apr 18 14:26:57 2012 CEST
---
Event: Transfer
- Destination      = LRMS
- Result           = OK
- Source           = LogMonitor

```

## WMS34\_precertification\_test < WMS < TWiki

```
- Timestamp                =    Wed Apr 18 14:27:15 2012 CEST
---
Event: Running
- Source                   =    LogMonitor
- Timestamp                =    Wed Apr 18 14:27:39 2012 CEST
---
Event: ReallyRunning
- Source                   =    LogMonitor
- Timestamp                =    Wed Apr 18 14:28:03 2012 CEST
---
Event: Done
- Source                   =    LogMonitor
- Timestamp                =    Wed Apr 18 14:28:03 2012 CEST
```

=====

```
[mcecchi@devel15 ~]$ glite-wms-job-output https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
```

```
Connecting to the service https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

=====

JOB GET OUTPUT OUTCOME

```
Output sandbox files for the job:
https://wms013.cnaf.infn.it:9000/hEQOXd73TkRGYlkCQDxOmA
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/mcecchi_hEQOXd73TkRGYlkCQDxOmA
```

=====

```
[mcecchi@devel15 ~]$ cat /tmp/jobOutput/mcecchi_hEQOXd73TkRGYlkCQDxOmA/
err.log out.log
[mcecchi@devel15 ~]$ cat /tmp/jobOutput/mcecchi_hEQOXd73TkRGYlkCQDxOmA/out.log
Hello
```

```
[mcecchi@devel15 ~]$ glite-wms-job-list-match -a --endpoint https://wms013.cnaf.infn.it:7443/glite_wm
179
```

```
[mcecchi@devel15 ~]$ glite-wms-job-submit -a --endpoint https://wms013.cnaf.infn.it:7443/glite_wm
```

```
Connecting to the service https://wms013.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://wms013.cnaf.infn.it:9000/ZPQkLewFTjI0eaJTwsFwJw
```

=====

```
[mcecchi@devel15 ~]$ glite-wms-job-submit -a --endpoint https://wms013.cnaf.infn.it:7443/glite_wm
```

```
[mcecchi@devel15 ~]$ glite-wms-job-status https://wms013.cnaf.infn.it:9000/ZPQkLewFTjI0eaJTwsFwJw
```

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://wms013.cnaf.infn.it:9000/ZPQkLewFTjI0eaJTwsFwJw
Current Status:      Waiting
Submitted:           Wed Apr 18 17:01:56 2012 CEST
```

=====

## WMS34\_precertification\_test < WMS < TWiki

```
- Nodes information for:
  Status info for the Job : https://wms013.cnaf.infn.it:9000/CS3gAQD4M3clf3DFdMpOew
  Current Status:         Scheduled
  Status Reason:          unavailable
  Destination:            cccreamceli08.in2p3.fr:8443/cream-sge-long
  Submitted:              Wed Apr 18 17:01:56 2012 CEST
=====
```

```
[mcecchi@devel15 ~]$ cat perusal.jdl
Executable = "testperusal.sh";
StdOutput = "stdout";
StdError = "stderr";
InputSandbox = {"testperusal.sh"};
OutputSandbox = {"stdout", "stderr", "test"};
PerusalTimeInterval = 15;
PerusalFileEnable = true;
Requirements = true;
```

```
[mcecchi@devel15 ~]$ cat testperusal.sh
#!/bin/sh
for i in `seq 1 100`; do
  sleep 10
  echo prova >> test
  err
done
```

```
[mcecchi@devel15 ~]$ glite-wms-job-perusal --get -f test --dir . https://wms013.cnaf.infn.it:9000
```

```
Connecting to the service https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-perusal Success =====
```

```
No files to be retrieved for the job:
https://wms013.cnaf.infn.it:9000/orrIQnq8aek3-jHFRxn5kA
=====
```

```
[mcecchi@devel15 ~]$ date
Thu Apr 19 10:36:48 CEST 2012
```

```
[mcecchi@devel15 ~]$ date
Thu Apr 19 10:53:39 CEST 2012
```

```
[mcecchi@devel15 ~]$ glite-wms-job-perusal --get -f test --dir . https://wms013.cnaf.infn.it:9000
```

```
Connecting to the service https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-perusal Success =====
```

```
The retrieved files have been successfully stored in:
/home/mcecchi
```

```
-----
file 1/1: test-20120419095258_1-20120419095258_1
-----
```

## SERVER BASIC FUNCTIONALITY TESTS

- GLUE2.0 purchasing **PASS**

set

EnableIsmLiGlue13Purchasing = false; EnableIsmLiGlue20Purchasing = true;

in the WM conf, and create a file (the name doesn't matter) like this:

```
echo "[ command = \"ism_dump\"; ]> jobdir/new/a
```

Start the WM, and check that no crash occurs after 3/4 purchasing cycles (decrease the PurchasingRate in case). The dump file will report, for example, entries like this:

```
[
  expiry_time = 900;
  update_time = 1340106474;
  id = "ce.csl.ee.upatras.gr:8443/cream-pbs-dteam/";
  info =
    [
      GlueCEAccessControlBaseRule = GLUE2.Computing.Endpoint.Policy;
      GlobusResourceContactString = CEid;
      QueueName = GLUE2.Computing.Share.MappingQueue;
      GlueHostApplicationSoftwareRunTimeEnvironment = GLUE2.ApplicationEnvironment.AppN
      GlueCEInfoHostName = GLUE2.Computing.Share.OtherInfo.InfoProviderHost;
      GlueCEUniqueID = CEid;
      LRMSType = GLUE2.Computing.Manager.ProductName;
      CEid = "ce.csl.ee.upatras.gr:8443/cream-pbs-dteam";
      GLUE2 =
        [
          Computing =
            [
              Endpoint =
                [
                  Semantics =
                    {
                      "http://wiki.italiangrid.org/twiki/bin/view/CREAM/U
                    };
                  Implementor = "gLite";
                  WSDL =
                    {
                      "https://ce.csl.ee.upatras.gr:8443/ce-cream/service
                    };
                  ServingState = "production";
                  Name = "ce.csl.ee.upatras.gr_org.glite.ce.CREAM";
                  ID = "ce.csl.ee.upatras.gr_org.glite.ce.CREAM";
                  HealthState = "ok";
                  SupportedProfile =
                    {
                      "http://www.ws-i.org/Profiles/BasicProfile-1.0.html
                    };
                  Staging = "staginginout";
                  Capability =
                    {
                      "executionmanagement.jobexecution"
                    };
                  QualityLevel = "production";
                  StartTime = "2012-06-16T16:30:03Z";
                  TrustedCA =
                    {
                      "IGTF"
                    };
                ];
            ];
          ];
    ];
]
```

## WMS34\_precertification\_test < WMS < TWiki

```

ImplementationName = "CREAM";
DowntimeInfo = "See the GOC DB for downtimes: https://goc
InterfaceName = "org.glite.ce.CREAM";
OtherInfo =
    [
        HostDN = "/C=GR/O=HellasGrid/OU=upatras.gr/CN=ce.
        MiddlewareVersion = "2.0.0-1";
        MiddlewareName = "EMI"
    ];
Technology = "webservice";
IssuerCA = "/C=GR/O=HellasGrid/OU=Certification Authoriti
Policy =
    {
        "VO:ops",
        "VO:dteam",
        "VO:see"
    };
URL = "https://ce.csl.ee.upatras.gr8443/ce-cream/services
HealthStateInfo = "/etc/init.d/tomcat5 is already running
ImplementationVersion = "1.14";
InterfaceVersion = "2.1";
JobDescription =
    {
        "glite:jdl"
    }
];
Manager =
    [
        Name = "Computing Manager on ce.csl.ee.upatras.gr";
        ID = "ce.csl.ee.upatras.gr_ComputingElement_Manager";
        ProductVersion = "2.5.7";
        ProductName = "torque"
    ];
Share =
    [
        DefaultCPUTime = 2880;
        MaxWallTime = 4320;
        RunningJobs = 0;
        WaitingJobs = 444444;
        ServingState = "production";
        MaxCPUTime = 2880;
        FreeSlots = 0;
        EstimatedAverageWaitingTime = 2146660842;
        ID = "ops_ops_ce.csl.ee.upatras.gr_ComputingElement";
        MappingQueue = "dteam";
        TotalJobs = 0;
        DefaultWallTime = 60;
        Description = "Share of dteam for ops";
        OtherInfo =
            [
                InfoProviderName = "glite-ce-glue2-share-static";
                InfoProviderHost = "ce.csl.ee.upatras.gr";
                CREAMCEId = "ce.csl.ee.upatras.gr:8443/cream-pbs-
                InfoProviderVersion = "1.0"
            ];
        Policy =
            {
                ""
            };
        EstimatedWorstWaitingTime = 2146660842;
        MaxRunningJobs = 999999999
    ];
Service =
    [
        Name = "Computing Service ce.csl.ee.upatras.gr_ComputingE
        Type = "org.glite.ce.CREAM";
        ID = "ce.csl.ee.upatras.gr_ComputingElement";

```



## WMS34\_precertification\_test < WMS < TWiki

```
Capability =
  {
    "executionmanagement.jobexecution"
  };
QualityLevel = "production";
Complexity = "endpointType=2, share=2, resource=1"
]
Benchmark =
  {
    [
      Name = "Benchmark HEP-SPEC06";
      Type = "HEP-SPEC06";
      ID = "ce.csl.ee.upatras.gr_HEP-SPEC06";
      Value = "8.35-HEP-SPEC06"
    ],
    [
      Name = "Benchmark specfp2000";
      Type = "specfp2000";
      ID = "ce.csl.ee.upatras.gr_specfp2000";
      Value = 1.7630000000000000E+03
    ],
    [
      Name = "Benchmark specint2000";
      Type = "specint2000";
      ID = "ce.csl.ee.upatras.gr_specint2000";
      Value = 2.0880000000000000E+03
    ]
  ];
ApplicationEnvironment =
  [
    AppName =
      {
        "GLITE-3_0_0",
        "GLITE-3_1_0",
        "GLITE-3_2_0",
        "LCG-2",
        "LCG-2_1_0",
        "LCG-2_1_1",
        "LCG-2_2_0",
        "LCG-2_3_0",
        "LCG-2_3_1",
        "LCG-2_4_0",
        "LCG-2_5_0",
        "LCG-2_6_0",
        "LCG-2_7_0",
        "R-GMA",
        "vo-see-fortran-4.1.2"
      }
    ]
  ];
PurchasedBy = "ism_ii_g2_purchaser"
]
```

Note the attribute **PurchasedBy = "ism\_ii\_g2\_purchaser"**

- GLUE2.0 match-making **PASS**

After having enabled G2 purchasing in the WM, as in the above test, created a requirements expression like this in your JDL:

```
requirements = other.GLUE2.Computing.Endpoint.Name == "ce.csl.ee.upatras.gr_org.glite.ce.CREAM";
```

## WMS34\_precertification\_test < WMS < TWiki

where the proper values have been taken from the ISM dump. Then, in the WM section, comment out the WmsRequirements expression and replace it with an expression referring to valid GLUE2.0 attributes (WmsRequirements=true can be good, to start) . Restart the **WMPROXY**. Now submit a list-match request, making sure that no default is taken by some inherited configurations.

```
[mcecchi@ui ~]$ glite-wms-job-list-match -a -c glite_wmsui.conf --endpoint https://devel09.cnaf.
```

```
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*
- ce.csl.ee.upatras.gr:8443/cream-pbs-dteam
- ce.csl.ee.upatras.gr:8443/cream-pbs-see
```

```
=====
```

- Submit single jobs **PASS**

CREAM:

```
[dorigoa@cream-12 ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/Yd11Nc77DozScQ5PO-cUOg
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : https://devel09.cnaf.infn.it:9000/Yd11Nc77DozScQ5PO-cUOg

Current Status: Done (Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: cream-23.pd.infn.it:8443/cream-lsf-creamtest2

Submitted: Fri Jun 15 10:55:32 2012 CEST

```
=====
```

LCG\_CE: **PASS**

ARC on nordugrid: **PASS**

NOTE: failure is expected.

```
[mcecchi@devel15 ~]$ cat arc.jdl
```

```
[
Executable = "/bin/echo";
Arguments = "Hello";
StdOutput = "out.log";
StdError = "err.log";
InputSandbox = {"Test.sh"};
OutputSandbox = {"out.log", "err.log"};
requirements = RegExp("krokar.ijs.si:2811/nordugrid-torque-arc", other.GlueCEUniqueID);
//requirements = RegExp("arc.univ.kiev.ua:2811/nordugrid-torque-arc", other.GlueCEUniqueID) || Re
AllowZippedISB = true;
rank=0;
myproxyserver="";
RetryCount = 0;
ShallowRetryCount = -1;
]
```

## WMS34\_precertification\_test < WMS < TWiki

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel09.cnaf.infn.it:9000/_s_DOLlFGpbmYkntMQAWcQ
Current Status:      Done(Failed)
Logged Reason(s):
- Got a job held event, reason: globus_ftp_client: the server responded with an error 451 Req
- Got a job held event, reason: globus_ftp_client: the server responded with an error 451 Req
Exit code:          0
Status Reason:      Got a job held event, reason: globus_ftp_client: the server responded with an
Destination:        krokar.ijs.si:2811/nordugrid-torque-arc
Submitted:          Fri Jun 15 16:52:08 2012 CEST
=====
```

### - Cancel a single job **PASS**

```
[mcecchi@devel15 ~]$ glite-wms-job-cancel https://wms013.cnaf.infn.it:9000/3ZIiK2Blh5T428odOzes6A
Are you sure you want to remove specified job(s) [y/n]y : y
Connecting to the service https://wms013.cnaf.infn.it:7443/glite_wms_wmproxy_server

===== glite-wms-job-cancel Success =====

The cancellation request has been successfully submitted for the following job(s):
- https://wms013.cnaf.infn.it:9000/3ZIiK2Blh5T428odOzes6A
=====
```

```
[mcecchi@devel15 ~]$ glite-wms-job-status https://wms013.cnaf.infn.it:9000/3ZIiK2Blh5T428odOzes6A

===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:

Status info for the Job : https://wms013.cnaf.infn.it:9000/3ZIiK2Blh5T428odOzes6A
Current Status:      Cancelled
Logged Reason(s):
- Aborted by user
Destination:         spacina-ce.scope.unina.it:2119/jobmanager-lcgpbs-cert
Submitted:           Wed Apr 18 14:38:59 2012 CEST
=====
```

### - Resubmission **PASS**

```
[mcecchi@ui ~]$ glite-wms-job-submit -a --endpoint https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server
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/DWYRiSW5V_kBGieT_w3uIA
=====

[mcecchi@ui ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/DWYRiSW5V_kBGieT_w3uIA

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

## WMS34\_precertification\_test < WMS < TWiki

### BOOKKEEPING INFORMATION:

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/DWYRiSW5V_kBGieT_w3uIA
Current Status:      Scheduled
Status Reason:      unavailable
Destination:        lcgce07.gridpp.rl.ac.uk:8443/cream-pbs-grid700M
Submitted:          Fri Jul 20 11:40:34 2012 CEST
=====
```

```
[mcecchi@ui ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/DWYRiSW5V_kBGieT_w3uIA
```

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

### BOOKKEEPING INFORMATION:

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/DWYRiSW5V_kBGieT_w3uIA
Current Status:      Aborted
Logged Reason(s):
- Prologue failed with error 1
- Prologue failed with error 1; reason=1
- Prologue failed with error 1
- Prologue failed with error 1
- Prologue failed with error 1
- Prologue failed with error 1
- pbs_reason=1; Prologue failed with error 1
Status Reason:      hit job shallow retry count (3)
Destination:        grid-ce.physik.rwth-aachen.de:8443/cream-pbs-dteam
Submitted:          Fri Jul 20 11:40:34 2012 CEST
=====
```

```
18 May, 16:35:47 -I: [Info] operator() (/home/mcecchi/wms34/emi.wms.wms-manager/src/dispatcher_util.cpp:1)
18 May, 16:35:47 -D: [Debug] schedule_at (/home/mcecchi/wms34/emi.wms.wms-manager/src/events.cpp:1)
18 May, 16:35:47 -D: [Debug] operator() (/home/mcecchi/wms34/emi.wms.wms-manager/src/submit_request.cpp:1)
18 May, 16:35:47 -D: [Debug] operator() (/home/mcecchi/wms34/emi.wms.wms-manager/src/submit_request.cpp:1)
18 May, 16:35:47 -I: [Info] checkRequirement (/home/mcecchi/wms34/emi.wms.wms-matchmaking/src/matchmaker.cpp:1)
18 May, 16:35:47 -I: [Info] operator() (/home/mcecchi/wms34/emi.wms.wms-manager/src/submit_request.cpp:1)
```

### - Zipped ISB

```
[mcecchi@devel15 ~]$ cat ls.jdl
[
Executable = "/bin/echo";
EnableZippedISB=true;
Arguments = "Hello";
StdOutput = "out.log";
StdError = "err.log";
InputSandbox = {"Test.sh"};
OutputSandbox = {"out.log", "err.log"};
requirements = !RegExp("cream.*", other.GlueCEUniqueID);
AllowZippedISB = true;
myproxyserver="";
RetryCount = 0;
ShallowRetryCount = -1;
]
```

```
[mcecchi@devel15 ~]$ glite-wms-job-submit -a --endpoint https://devel09.cnaf.infn.it:7443/glite-wms
```

```
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/v5UveUGejZu0a7M8OtFKYQ
```

```
=====
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/v5UveUGejZu0a7M80tFKYQ
Current Status:      Done(Success)
Exit code:          0
Status Reason:      Job terminated successfully
Destination:        ce01.grid.auth.gr:2119/jobmanager-pbs-dteam
Submitted:          Fri Jun 15 16:59:38 2012 CEST
=====
```

```
[mcecchi@devel115 ~]$ glite-wms-job-logging-info -v 3 https://devel09.cnaf.infn.it:9000/v5UveUGejZ
    AllowZippedISB = true;
    ZippedISB = { "ISBfiles_WdwexlgUtW6sCsCZruA1Xg_0.tar.gz" };
    EnableZippedISB = true;
```

- Submit a collection **PASS**

```
[mcecchi@ui ~]$ cat coll.jdl
```

```
[
  type = "collection";
  VirtualOrganisation = "dteam";
  nodes = {
    [file = "ls.jdl"];],
    [file = "ls.jdl"];],
    [file = "ls.jdl"];],
    [file = "ls.jdl"];],
    [file = "ls.jdl"];],
    [file = "ls.jdl"];]
  };
]
```

```
[mcecchi@ui ~]$ glite-wms-job-submit -a --endpoint https://devel09.cnaf.infn.it:7443/glite_wms_wm
```

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/X7Es4Uwvw2NfKWVrHYpnmA

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/X7Es4Uwvw2NfKWVrHYpnmA
Current Status:      Running
Submitted:          Fri Mar 23 13:32:12 2012 CET
=====
```

- Nodes information for:

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/CbMUUPjOSvy6HEv5O5Ef6A
Current Status:      Running
Status Reason:      Job successfully submitted to Globus
Destination:        atlasce01.na.infn.it:2119/jobmanager-lcgpbs-cert
Submitted:          Fri Mar 23 13:32:12 2012 CET
=====
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/F2YEJYQKUF0kMY5htIAQ
Current Status:      Running
```

## WMS34\_precertification\_test < WMS < TWiki

Status Reason: Job successfully submitted to Globus  
Destination: ce-atlas.ipb.ac.rs:2119/jobmanager-pbs-dteam  
Submitted: Fri Mar 23 13:32:12 2012 CET

=====  
Status info for the Job : https://devel09.cnaf.infn.it:9000/FNvTOawm0gZVI68\_PzlayQ  
Current Status: Running  
Status Reason: Job successfully submitted to Globus  
Destination: ce01.dur.scotgrid.ac.uk:2119/jobmanager-lcgpbs-q2d  
Submitted: Fri Mar 23 13:32:12 2012 CET

=====  
Status info for the Job : https://devel09.cnaf.infn.it:9000/Hka\_ksPeEcS6zMvydbqMbw  
Current Status: Running  
Status Reason: Job successfully submitted to Globus  
Destination: ce-grid.obspm.fr:2119/jobmanager-pbs-dteam  
Submitted: Fri Mar 23 13:32:12 2012 CET

=====  
Status info for the Job : https://devel09.cnaf.infn.it:9000/M8t3s7nJCFJkztWE1FozA  
Current Status: Running  
Status Reason: Job successfully submitted to Globus  
Destination: egee.irb.hr:2119/jobmanager-lcgpbs-mon  
Submitted: Fri Mar 23 13:32:12 2012 CET

=====  
Status info for the Job : https://devel09.cnaf.infn.it:9000/yf13CQ8UvIUJzgIkI5t-kQ  
Current Status: Running  
Status Reason: Job successfully submitted to Globus  
Destination: ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-long  
Submitted: Fri Mar 23 13:32:12 2012 CET

### - Submit DAG jobs: **IMPORTANT PASS**

```
[ type = "dag"; VirtualOrganisation = "dteam"; nodes = [ nodeA = [file = "ls.jdl"]; nodeB = [file = "ls.jdl"];  
Dependencies = { {nodeA, nodeB} } ]; ]
```

Dependency fulfilled:

=====  
glite-wms-job-status Success  
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel07.cnaf.infn.it:9000/mAf1L\_q5stx4YlYnzt4Dtw  
Current Status: Running  
Destination: dagman  
Submitted: Fri May 18 23:54:54 2012 CEST

- Nodes information for:

Status info for the Job : https://devel07.cnaf.infn.it:9000/q2dBjsinbryF\_H9R7glxEw  
Current Status: Scheduled  
Status Reason: unavailable  
Destination: phoebe.htc.biggrid.nl:8443/cream-pbs-medium  
Submitted: Fri May 18 23:54:54 2012 CEST

=====  
Status info for the Job : https://devel07.cnaf.infn.it:9000/tGmm0h0EA0chivy52RSINg  
Current Status: Submitted  
Submitted: Fri May 18 23:54:54 2012 CEST

- Status of a DAG job **PASS** Also, DAG jobs are finally Aborted when one node Aborts!

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

## WMS34\_precertification\_test < WMS < TWiki

### BOOKKEEPING INFORMATION:

Status info for the Job : <https://devel07.cnaf.infn.it:9000/ilhOckYZ3mXIImf4pSTjHg>  
Current Status: Aborted  
Status Reason: DAG completed with failed jobs  
Destination: dagman  
Submitted: Sat May 19 00:07:53 2012 CEST

### - Nodes information for:

Status info for the Job : [https://devel07.cnaf.infn.it:9000/5-m\\_QV3ELj6VI6\\_5gSzl2A](https://devel07.cnaf.infn.it:9000/5-m_QV3ELj6VI6_5gSzl2A)  
Current Status: Aborted  
Status Reason: parents have aborted  
Submitted: Sat May 19 00:07:53 2012 CEST

Status info for the Job : [https://devel07.cnaf.infn.it:9000/b\\_0fxArwL63pzeoqxLn98Q](https://devel07.cnaf.infn.it:9000/b_0fxArwL63pzeoqxLn98Q)  
Current Status: Aborted  
Logged Reason(s):

- Cannot move ISB (retry\_copy \${globus\_transfer\_cmd} gsiftp://devel09.cnaf.infn.it:2811/v  
error: globus\_ftp\_client: the server responded with an error  
500 500-Command failed. : globus\_l\_gfs\_file\_open failed.  
500-globus\_xio: Unable to open file /var/SandboxDir/b\_/https\_3a\_2f\_2fdevel07.cnaf.infn.it\_3a9000\_  
500-globus\_xio: System error in open: Permission denied  
500-globus\_xio: A system call failed: Permission denied  
500 End.

- pbs\_reason=1  
Status Reason: failed (LB query failed)  
Destination: lcgce09.gridpp.rl.ac.uk:8443/cream-pbs-grid6000M  
Submitted: Sat May 19 00:07:53 2012 CEST

### Even cancelling a node causes termination of children jobs

==== glite-wms-job-status Success =====  
BOOKKEEPING INFORMATION:

Status info for the Job : [https://devel09.cnaf.infn.it:9000/Gfrjk\\_6LnE-jYhR3yXgzlg](https://devel09.cnaf.infn.it:9000/Gfrjk_6LnE-jYhR3yXgzlg)  
Current Status: Aborted  
Status Reason: DAG completed with failed jobs  
Destination: dagman  
Submitted: Mon Jun 18 11:42:28 2012 CEST

### - Nodes information for:

Status info for the Job : <https://devel09.cnaf.infn.it:9000/8vWeCACv2ODQmaxzF1e0dA>  
Current Status: Cancelled  
Destination: cream02.dur.scotgrid.ac.uk:8443/cream-pbs-q7d  
Submitted: Mon Jun 18 11:42:28 2012 CEST

Status info for the Job : <https://devel09.cnaf.infn.it:9000/j2NFnbjC-3bK01fK8EE6uw>  
Current Status: Aborted  
Status Reason: parents have aborted  
Submitted: Mon Jun 18 11:42:28 2012 CEST

### - Cancel **PASS** (overall status is Aborted because some nodes were aborted)

==== glite-wms-job-status Success =====  
BOOKKEEPING INFORMATION:

Status info for the Job : <https://devel09.cnaf.infn.it:9000/2ELy83Xoo99hGI-CHwRwMw>  
Current Status: Aborted  
Logged Reason(s):  
- Aborted by user

## WMS34\_precertification\_test < WMS < TWiki

Status Reason: X509 proxy not found or I/O error (/var/SandboxDir/2E/https\_3a\_2f\_2fdevel09.c  
Destination: dagman  
Submitted: Tue May 22 10:52:58 2012 CEST

### - Nodes information for:

Status info for the Job : https://devel09.cnaf.infn.it:9000/AGrC529w-NEfkr3A1P5XgA  
Current Status: Cancelled  
Logged Reason(s):  
- Cancelled by user  
Destination: creamce01.ge.infn.it:8443/cream-lsf-cert  
Submitted: Tue May 22 10:52:58 2012 CEST

Status info for the Job : https://devel09.cnaf.infn.it:9000/fEyWrMBON8nT55iHH2zpDg  
Current Status: Cancelled  
Submitted: Tue May 22 10:52:58 2012 CEST

Status info for the Job : https://devel09.cnaf.infn.it:9000/k19fxZAabsvBWnP\_P1RUa  
Current Status: Aborted  
Logged Reason(s):  
- Job got an error while in the CondorG queue.  
Status Reason: failed (LB query failed)  
Destination: ce3.itep.ru:2119/jobmanager-lcgpbs-dteam  
Submitted: Tue May 22 10:52:58 2012 CEST

Status info for the Job : https://devel09.cnaf.infn.it:9000/kShzxpqr91qHCXCmHIeKgg  
Current Status: Aborted  
Logged Reason(s):  
- Transfer to CREAM failed due to exception: CREAM Register raised std::exception N5glite  
Status Reason: failed (LB query failed)  
Destination: cccreamceli07.in2p3.fr:8443/cream-sge-medium  
Submitted: Tue May 22 10:52:58 2012 CEST

Status info for the Job : https://devel09.cnaf.infn.it:9000/spKsWwVHtshg3IMYN5Y5Wg  
Current Status: Cancelled  
Logged Reason(s):  
- Cancelled by user  
Destination: egice.polito.it:8443/cream-pbs-cert  
Submitted: Tue May 22 10:52:58 2012 CEST

Status info for the Job : https://devel09.cnaf.infn.it:9000/tRcMUgad4wwld-YjoFXqdQ  
Current Status: Cancelled  
Submitted: Tue May 22 10:52:58 2012 CEST

### - Job with access to catalogues (mcecchi 25/5/12)

```
[mcecchi@ui ~]$ cat catalogue_access.jdl
[
DataAccessProtocol = "gsiftp";
RetryCount = 1;
ShallowRetryCount = 2;
Executable = "/bin/echo";
Arguments = "1000";
StdOutput = "std.out";
StdError = "std.err";
FuzzyRank = true;
InputSandbox = {"calc-pi.sh", "fileA", "prologue.sh"};
OutputSandbox = {"std.out", "std.err", "out-PI.txt", "out-e.txt"};
requirements = true;
DataRequirements = {
```



## WMS34\_precertification\_test < WMS < TWiki

```
[
DataCatalogType = "DLI";
DataCatalog = "http://lfc.gridpp.rl.ac.uk:8085/";
InputData = { "lfn:/grid/t2k.org/nd280/raw/ND280/ND280/00005000_00005999/nd280_00005000_0002.daq.
]
};
];
```

```
[mcecchi@ui ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/mB4YVNRzrseG_cRc-V8Ncw
```

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/mB4YVNRzrseG_cRc-V8Ncw
Current Status:      Running
Status Reason:      unavailable
Destination:        ceprod07.grid.hep.ph.ic.ac.uk:8443/cream-sge-grid.q
Submitted:          Fri May 25 16:48:50 2012 CEST
=====
```

- Enable GLUE2 purchasers and check an ISM dump and MM **FAIL** [root@devel09 SandboxDir]# tail -f /var/log/wms/workload\_manager\_events.log

```
/usr/bin/glite-wms-workload_manager(_ZN5boost3_bi5list1INS0_5valueINS_10shared_ptrINS5glite3wms3ism9purcha
/usr/bin/glite-wms-workload_manager(_ZN5boost3_bi6bind_tIvNS_4_mfi3mf0IvN5glite3wms3ism9purchaserI3ism_
/usr/bin/glite-wms-workload_manager(_ZN5boost6detail8function26void_function_obj_invoker0INS_3_bi6bind_tIvN
boost::function0<void, std::allocator >::operator()() const /usr/bin/glite-wms-workload_manager
/usr/bin/glite-wms-workload_manager boost::function0<void, std::allocator >::operator()() const
glite::wms::manager::server::Events::run() boost::_mfi::mf0<void,
glite::wms::manager::server::Events>::operator()(glite::wms::manager::server::Events*) const
```

- Enable Argus authZ and check results **PASS**

```
In site_info.def USE_ARGUS=yes ARGUS_PEPD_ENDPOINTS="https://argus01.lcg.cscs.ch:8154/authz
https://argus02.lcg.cscs.ch:8154/authz https://argus03.lcg.cscs.ch:8154/authz"
```

22/03/2012 argus-gsi-pep-callout missing from the MP, error while using gridftp **FIXED**

22/05/2012 New test:

---

22 May 2012, 16:38:56 -I- PID: 30454 (Debug) - Calling the WMPProxy jobRegister service

---

```
Warning - Unable to register the job to the service:
https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server Argus denied authorization on jobRegister by
,C=IT,O=INFN,OU=Personal Certificate,L=CNAF,CN=Marco Cecchi Error code: SOAP-ENV:Server
```

**PASS**

TODO: need to try with one policy that let us pass

## BUGS:

**Vulnerability bug in ICE's proxy renewal (Advisory-SVG-2012-4073) PRE-CERTIFIED (adorigo 18/07/2012)**

I used the ICE RPM from

[http://etcs-repository.cern.ch/repository/download/registered/emi/emi.wms.ice/3.3.5/s15\\_x86\\_64\\_gcc412EPEL/glite-w](http://etcs-repository.cern.ch/repository/download/registered/emi/emi.wms.ice/3.3.5/s15_x86_64_gcc412EPEL/glite-w)

BUGS:

and verified that the issue specified in the SVG 4073 has been fixed, even at the ICE start (starting in a situation in which the vulnerability is present).

**Vulnerability bug in ICE's proxy renewal (Advisory-SVG-2012-4039) PRE-CERTIFIED (adorigo 09/07/2012)**

The bug has been fixed and verified. In particular it has been verified that the vulnerability has disappeared and that in "normal" conditions the proxy renewal still works correctly. here it is described how to check the correct working of proxy renewal.

**glite-wms-ice-proxy-renew can block indefinitely (<https://savannah.cern.ch/bugs/?95584> )**  
PRE-CERTIFIED (adorigo 09/07/2012)

Must set the following conf parameters in the file `/etc/glite-wms/glite_wms.conf` (in the WMS node):

```
[root@cream-01 persist_dir]# egrep "proxy_renewal_freq|ice_log_level|renewal_timeout" /etc/glite-wms/glite_wms.conf
ice_log_level      = 700;
proxy_renewal_frequency  = 60;
proxy_renewal_timeout    = 60;
```

Then must open a console (as root) on any public machine and start the command:

```
[root@cream-28 ~]# openssl s_server -cert /etc/grid-security/hostcert.pem -key /etc/grid-security/hostkey.pem
```

This will simulates a non-responding overloaded MyProxyServer. Log into the WMS node and make sure that the proxy renewal daemon cache is empty and that ICE doesn't have any proxy cached (also remove old ICE logfiles for your ease):

```
[root@cream-01 persist_dir]# service gLite stop
[...]
[root@cream-01 persist_dir]# rm -f /var/ice/persist_dir/* /var/log/wms/ice.log*
\rm -f /var/glite/spool/glite-renewd/*
[root@cream-01 persist_dir]# service gLite start
```

Do a tail on the ICE's logfile filtering on proxy renewal's messages:

```
[root@cream-01 persist_dir]# tail -f /var/log/wms/ice.log |grep iceCommandDelegationRenewal
```

Switch on a WMS UI machine and write down this JDL:

```
dorigoa@cream-03 13:47:23 ~>cat wms.jdl
[
Executable = "/bin/echo";
Arguments = "ciao";
InputSandbox = {};
stdoutoutput="stdout";
stderr="stderr";
OutputSandbox = {"stdout", "stderr"};
requirements = RegExp("cream.*", other.GlueCEUniqueID);
myproxyserver="cream-28.pd.infn.it:7000"; // is the machines running the openssl server
]
```

Submit the above JDL and switch to the console where the tail is running. At a certain point you'll have to see this log message:

```
2012-07-09 13:47:52,785 DEBUG - iceCommandDelegationRenewal::renewAllDelegations() - Contacting M
2012-07-09 13:48:52,822 ERROR - iceCommandDelegationRenewal::renewAllDelegations() - Proxy renewa
```

## WMS34\_precertification\_test < WMS < TWiki

clearly showing that the proxy renewal process doesn't block indefinitely (but for a maximum of 60 seconds as set in the file `glite_wms.conf`) anymore to a non-responding server.

**Deregistration of a proxy (2) (<https://savannah.cern.ch/bugs/?83453> ) PRE-CERTIFIED** (adorigo 25/06/2012) Submitted a job and verified the proxy-deregistration in the syslog:

```
Connecting to the service https://cream-01.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://devel09.cnaf.infn.it:9000/tsk_AU6HJZB419IPNeLdPQ
```

```
=====
```

```
From file /var/log/message:
```

```
Jun 25 16:35:03 cream-01 glite-proxy-renewd[18810]: Proxy /var/proxycache/%2FC%3DIT%2FO%3DINFN%2F
Jun 25 16:35:03 cream-01 glite-proxy-renewd[18810]: Proxy /var/proxycache/%2FC%3DIT%2FO%3DINFN%2F
Jun 25 16:35:03 cream-01 glite_wms_wmproxy_server: submission from cream-12.pd.infn.it, DN=/C=IT/
```

```
[dorigoa@cream-12 ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/tsk_AU6HJZB419IPNeLdPQ
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/tsk_AU6HJZB419IPNeLdPQ
Current Status:      Done (Success)
Exit code:           0
Submitted:           Mon Jun 25 16:35:03 2012 CEST
=====
```

```
- Nodes information for:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/82dORq-A05f06LDYxwtlXQ
Current Status:      Done (Success)
Logged Reason(s):
- job completed
- Job Terminated Successfully
Exit code:           0
Status Reason:       Job Terminated Successfully
Destination:         cream-23.pd.infn.it:8443/cream-lsf-creamtest2
Submitted:           Mon Jun 25 16:35:03 2012 CEST
=====
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/cJBETCHFmoxOnqC8ZJTiw
Current Status:      Done (Success)
Logged Reason(s):
- job completed
- Job Terminated Successfully
Exit code:           0
Status Reason:       Job Terminated Successfully
Destination:         cream-23.pd.infn.it:8443/cream-lsf-creamtest2
Submitted:           Mon Jun 25 16:35:03 2012 CEST
=====
```

```
Again from /var/log/messages:
```

```
Jun 25 16:35:56 cream-01 glite-proxy-renewd[18810]: Proxy /var/glite/spool/glite-renewd/45a96bd6a
Jun 25 16:35:56 cream-01 glite-proxy-renewd[18810]: Proxy /var/glite/spool/glite-renewd/45a96bd6a
```

**BUGS:**

**some sensible information should be logged on syslog (<https://savannah.cern.ch/bugs/?92657> )**  
PRE-CERTIFIED (mcecchi 29/03/12)

```
May 18 17:19:07 devel09 glite_wms_wmproxy_server: submission from ui.cnaf.infn.it, DN=/C=IT/O=INFN
May 18 17:19:36 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/D6jb8
May 18 17:19:36 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/m1Mh3
May 18 17:19:36 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/ToPUY
May 18 17:19:36 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/eqK70
May 18 17:19:36 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/RWbT_
May 18 17:19:37 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/Uen9x
May 18 17:19:37 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/surSO
May 18 17:19:37 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/K60lQ
May 18 17:19:37 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/rQzNs
May 18 17:19:37 devel09 glite-wms-workload_manager: jobid=https://devel07.cnaf.infn.it:9000/PVm7k
```

**WMS UI emi-wmproxy-api-cpp and emi-wms-ui-api-python still use use gethostbyaddr/gethostbyname**  
(<https://savannah.cern.ch/bugs/?89668> ) PRE-CERTIFIED (alvise 28/03/12)

grep on source code

**Submission with rfc proxy doesn't work (<https://savannah.cern.ch/bugs/?88128> )** PRE-CERTIFIED  
(mcecchi 14/6/12)

Create a proxy with voms-proxy-init and option -rfc. 1) Authentication fails at the LCG-CE, as expected:

```
27 Mar, 16:01:17 -I- EventGlobusSubmitFailed::process_event(): Got globus submit failed event.
27 Mar, 16:01:17 -I- EventGlobusSubmitFailed::process_event(): For cluster: 1363, reason: 7 authentication failed
27 Mar, 16:01:17 -I- EventGlobusSubmitFailed::process_event(): Job id = https://devel09.cnaf.infn.it:9000/
27 Mar, 16:01:17 -I- SubmitReader::internalRead(): Reading condor submit file of job https://devel09.cnaf.infn.it:9000/
```

2) let's submit a job to CREAM:

```
[mcecchi@devel15 ~]$ glite-wms-job-submit -a --endpoint https://devel16.cnaf.infn.it:7443/glite_wms_wmproxy_server
Connecting to the service https://devel16.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://devel16.cnaf.infn.it:9000/XRSoZaPhZds7iwhh_z4DDw
```

```
=====
```

```
[mcecchi@devel15 ~]$ glite-wms-job-status https://devel16.cnaf.infn.it:9000/XRSoZaPhZds7iwhh_z4DDw
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel16.cnaf.infn.it:9000/XRSoZaPhZds7iwhh_z4DDw
Current Status:      Running
Status Reason:      unavailable
Destination:        cream-38.pd.infn.it:8443/cream-pbs-creamtest2
Submitted:          Thu Jun 14 15:18:15 2012 CEST
```

```
=====
```

```
[mcecchi@devel15 ~]$ glite-wms-job-status https://devel16.cnaf.infn.it:9000/XRSoZaPhZds7iwhh_z4DDw
```

## WMS34\_precertification\_test < WMS < TWiki

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://devel16.cnaf.infn.it:9000/XRS0ZaPhZds7iwhh_z4DDw
Current Status:      Done(Success)
Logged Reason(s):
  - job completed
  - Job Terminated Successfully
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-38.pd.infn.it:8443/cream-pbs-creamtest2
Submitted:          Thu Jun 14 15:18:15 2012 CEST
```

### EMI WMS wmpoxy init.d script stop/start problems (<https://savannah.cern.ch/bugs/?89577> ) PRE-CERTIFIED (mcecchi 23/03/12)

#### 1. The restart command does not restart httpd, whereas stop + start does:

```
[root@devel09 ~]# /etc/init.d/glite-wms-wmpoxy status
/usr/bin/glite_wms_wmpoxy_server is running...
[root@devel09 ~]# ps aux | grep httpd
glite    11440  0.0  0.0  96440  2196 ?        S    11:31   0:00 /usr/sbin/httpd -k start -f /etc
glite    11441  0.0  0.0  96440  2480 ?        S    11:31   0:00 /usr/sbin/httpd -k start -f /etc
glite    11442  0.0  0.0  96440  2480 ?        S    11:31   0:00 /usr/sbin/httpd -k start -f /etc
glite    11443  0.0  0.0  96440  2480 ?        S    11:31   0:00 /usr/sbin/httpd -k start -f /etc
glite    11444  0.0  0.0  96440  2480 ?        S    11:31   0:00 /usr/sbin/httpd -k start -f /etc
glite    11445  0.0  0.0  96440  2480 ?        S    11:31   0:00 /usr/sbin/httpd -k start -f /etc
root     15789  0.0  0.0  61192   740 pts/0    R+   11:52   0:00 grep httpd
root     24818  0.0  0.1  96440  4716 ?        Ss   Mar19   0:04 /usr/sbin/httpd -k start -f /etc
[root@devel09 ~]# /etc/init.d/glite-wms-wmpoxy restart
Restarting /usr/bin/glite_wms_wmpoxy_server... ok
[root@devel09 ~]# ps aux | grep httpd
glite    15889  0.0  0.0  96440  2196 ?        S    11:52   0:00 /usr/sbin/httpd -k start -f /etc
glite    15890  0.0  0.0  96440  2488 ?        S    11:52   0:00 /usr/sbin/httpd -k start -f /etc
glite    15891  0.0  0.0  96440  2480 ?        S    11:52   0:00 /usr/sbin/httpd -k start -f /etc
glite    15892  0.0  0.0  96440  2480 ?        S    11:52   0:00 /usr/sbin/httpd -k start -f /etc
glite    15893  0.0  0.0  96440  2480 ?        S    11:52   0:00 /usr/sbin/httpd -k start -f /etc
glite    15894  0.0  0.0  96440  2480 ?        S    11:52   0:00 /usr/sbin/httpd -k start -f /etc
root     15897  0.0  0.0  61196   772 pts/0    S+   11:53   0:00 grep httpd
root     24818  0.0  0.1  96440  4716 ?        Ss   Mar19   0:04 /usr/sbin/httpd -k start -f /etc
```

#### 2. A start immediately following a stop often fails and has to be repeated to get the service working again:

```
[root@devel09 ~]# /etc/init.d/glite-wms-wmpoxy stop; /etc/init.d/glite-wms-wmpoxy start
Stopping /usr/bin/glite_wms_wmpoxy_server... ok
Starting /usr/bin/glite_wms_wmpoxy_server... ok
```

#### 3. The stop and start commands fail when invoked via ssh ([Sun Oct 09 17:08:01 2011] [warn] PassEnv variable HOSTNAME was undefined):

```
[mcecchi@cnaf ~]$ ssh root@devel09 '/etc/init.d/glite-wms-wmpoxy stop;/etc/init.d/glite-wms-wmpoxy start
root@devel09's password:
Stopping /usr/bin/glite_wms_wmpoxy_server... ok
Starting /usr/bin/glite_wms_wmpoxy_server... ok
```

### Make some WMS init scripts System V compatible (<https://savannah.cern.ch/bugs/?91115> ) PRE-CERTIFIED (mcecchi 23/03/12)

```
[root@devel09 ~]# grep -1 chkconfig /etc/init.d/glite-wms-ice
# chkconfig: 345 95 06
# description: startup script for the ICE process
[root@devel09 ~]# grep -1 chkconfig /etc/init.d/glite-wms-wm
```

BUGS:

```
# chkconfig: 345 94 06
# description: WMS processing engine
```

### **Semi-automated service backends configuration for WMS (task #23845, EMI Development Tracker, Done) PRE-CERTIFIED (mcecchi 23/03/12)**

```
[root@devel09 ~]# cat /etc/my.cnf
[mysqld]
innodb_flush_log_at_trx_commit=2
innodb_buffer_pool_size=500M
!includedir /etc/mysql/conf.d/
```

innodb\_flush\_log\_at\_trx\_commit=2 and innodb\_buffer\_pool\_size=500M are what is expected to be present

### **WMproxy GACLs do not support wildcards (as they used to do) (<https://savannah.cern.ch/bugs/?87261> ) PRE-CERTIFIED (mcecchi 23/03/12)**

with:

```
<gacl version="0.0.1">
  <entry> <voms> <fqan>/dtea* </voms> <allow> <exec/> </allow> </entry>
</gacl>
```

#### **GRANT**

```
<gacl version="0.0.1">
  <entry> <voms> <fqan>/dteaM* </fqan> </voms> <allow> <exec/> </allow> </entry>
</gacl>
```

#### **DENY**

```
<gacl version="0.0.1">
  <entry> <voms> <fqan>/dteam </fqan> </voms> <allow> <exec/> </allow> </entry>
</gacl>
```

#### **DENY**

```
<gacl version="0.0.1">
  <entry> <voms> <fqan>/dteam </fqan> </voms> <allow> <exec/> </allow> </entry>
  <entry> <voms> <fqan>/dteam/* </fqan> </voms> <allow> <exec/> </allow> </entry>
</gacl>
```

#### **GRANT**

### **WMS logs should keep track of the last 90 days (<https://savannah.cern.ch/bugs/?89871> ) PRE-CERTIFIED (mcecchi 22/03/12)**

```
[root@devel09 ~]# grep -r rotate\ 90 /etc/logrotate.d/
/etc/logrotate.d/wm:          rotate 90
/etc/logrotate.d/globus-gridftp:  rotate 90
/etc/logrotate.d/globus-gridftp:  rotate 90
/etc/logrotate.d/lcmaps:        rotate 90
/etc/logrotate.d/lm:           rotate 90
/etc/logrotate.d/jc:           rotate 90
/etc/logrotate.d/glite-wms-purger: rotate 90
/etc/logrotate.d/wmproxy:      rotate 90
/etc/logrotate.d/argus:        rotate 90
/etc/logrotate.d/ice:          rotate 90
[root@devel09 ~]# grep -r daily /etc/logrotate.d/
/etc/logrotate.d/wm:          daily
```

BUGS:

```
/etc/logrotate.d/kill-stale-ftp:    daily
/etc/logrotate.d/globus-gridftp:   daily
/etc/logrotate.d/globus-gridftp:   daily
/etc/logrotate.d/lcmaps:           daily
/etc/logrotate.d/lm:                daily
/etc/logrotate.d/jc:                daily
/etc/logrotate.d/glite-wms-purger:  daily
/etc/logrotate.d/wmproxy:           daily
/etc/logrotate.d/argus:             daily
/etc/logrotate.d/ice:               daily
/etc/logrotate.d/glite-lb-server:   daily
/etc/logrotate.d/bdii:              daily
```

/etc/logrotate.d/kill-stale-ftp has

rotate 30

but it should be

rotate 90

**yaim-wms changes for Argus based authZ (<https://savannah.cern.ch/bugs/?90760> ) NOT PRE-CERTIFIED (mcecchi 22/03/12)**

Modified siteinfo.def with:

```
USE_ARGUS=yes
```

```
ARGUS_PEPD_ENDPOINTS="https://argus01.lcg.cscs.ch:8154/authz
https://argus02.lcg.cscs.ch:8154/authz https://argus03.lcg.cscs.ch:8154/authz"
```

ran:

```
/opt/glite/yaim/bin/yaim -c -s siteinfo/site-info.def -n WMS
```

in glite\_wms.conf:

```
ArgusAuthz = true;
```

```
ArgusPepdEndpoints = {"https://argus01.lcg.cscs.ch:8154/authz", "https://argus02.lcg.cscs.ch:8154/authz",
"https://argus03.lcg.cscs.ch:8154/authz"};
```

**glite-wms-check-daemons.sh should not restart daemons under the admin's nose (<https://savannah.cern.ch/bugs/?89674> ) PRE-CERTIFIED (mcecchi 22/03/12)**

```
[root@devel09 ~]# /etc/init.d/glite-wms-wm start
starting workload manager... ok
[root@devel09 ~]# /etc/init.d/glite-wms-wm status
/usr/bin/glite-wms-workload_manager (pid 486) is running...
[root@devel09 ~]# ll /var/run/glite-wms-w*
-rw-r--r-- 1 root root 4 Mar 22 10:02 /var/run/glite-wms-workload_manager.pid
[root@devel09 ~]# /etc/init.d/glite-wms-wm stop
stopping workload manager... ok
[root@devel09 ~]# date
Thu Mar 22 10:02:37 CET 2012
[root@devel09 ~]# ll /var/run/glite-wms-w*
ls: /var/run/glite-wms-w*: No such file or directory
[root@devel09 ~]# cat /etc/cron.d/glite-wms-check-daemons.cron
HOME=/
MAILTO=SA3-italia
```

BUGS:

## WMS34\_precertification\_test < WMS < TWiki

```
* /5 * * * * root . /usr/libexec/grid-env.sh ; sh /usr/libexec/glite-wms-check-daemons.sh > /dev/n
[root@devel09 ~]# sh /usr/libexec/glite-wms-check-daemons.sh
[root@devel09 ~]# /etc/init.d/glite-wms-wm status
/usr/bin/glite-wms-workload_manager is not running
[root@devel09 ~]# ps aux | grep workl
root          970  0.0  0.0  61192   756 pts/2    S+   10:03   0:00 grep workl
[root@devel09 ~]# /etc/init.d/glite-wms-wm start
starting workload manager... ok
[root@devel09 ~]# ps aux | grep workl
glite        1009 11.0  0.6 255060 26444 ?        Ss   10:04   0:00 /usr/bin/glite-wms-workload_mana
root         1013  0.0  0.0  61196   764 pts/2    S+   10:04   0:00 grep workl
[root@devel09 ~]# kill -9 1009
[root@devel09 ~]# sh /usr/libexec/glite-wms-check-daemons.sh
stopping workload manager... ok
starting workload manager... ok
[root@devel09 ~]# /etc/init.d/glite-wms-wm status
/usr/bin/glite-wms-workload_manager (pid 1196) is running...
[root@devel09 ~]#
```

**Wrong location for PID file (<https://savannah.cern.ch/bugs/?89857> ) PRE-CERTIFIED (mcecci  
21/03/12)**

```
[root@devel09 ~]# ls /var/run/*pid
/var/run/atd.pid           /var/run/crond.pid           /var/run/glite-wms-job_controller.pi
/var/run/brcm_iscsiuiio.pid /var/run/exim.pid           /var/run/glite-wms-log_monitor.pid
/var/run/condor_master.pid /var/run/glite-wms-ice-safe.pid /var/run/glite-wms-workload_manager.
```

For ICE now the pid is correctly handled:

```
[root@devel09 ~]# /etc/init.d/glite-wms-ice status
/usr/bin/glite-wms-ice-safe (pid 16820) is running...
[root@devel09 ~]# ll /var/run/glite-wms-ice-safe.pid
-rw-r--r-- 1 root root 6 Mar 27 14:41 /var/run/glite-wms-ice-safe.pid
[root@devel09 ~]# cat /var/run/glite-wms-ice-safe.pid
16820
[root@devel09 ~]# /etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@devel09 ~]# /etc/init.d/glite-wms-ice start
starting ICE... ok
[root@devel09 ~]# ll /var/run/glite-wms-ice-safe.pid
-rw-r--r-- 1 root root 6 Mar 27 14:42 /var/run/glite-wms-ice-safe.pid
[root@devel09 ~]# cat /var/run/glite-wms-ice-safe.pid
16969
[root@devel09 ~]# /etc/init.d/glite-wms-ice status
/usr/bin/glite-wms-ice-safe (pid 16969) is running...
[root@devel09 ~]# /etc/init.d/glite-wms-ice restart
stopping ICE... ok
starting ICE... ok
[root@devel09 ~]# ps -ef|grep ice
root          2942      1  0 Mar26 ?          00:00:00 gpm -m /dev/input/mice -t exps2
glite        17074      1  0 14:43 ?          00:00:00 /usr/bin/glite-wms-ice-safe --conf glite_wms.conf
glite        17080 17074    0 14:43 ?          00:00:00 sh -c /usr/bin/glite-wms-ice --conf glite_wms.conf
glite        17081 17080    0 14:43 ?          00:00:00 /usr/bin/glite-wms-ice --conf glite_wms.conf /var
root         17114 23643    0 14:43 pts/1    00:00:00 grep ice
```

**\*Pid file of ICE and WM has glite ownership (<https://savannah.cern.ch/bugs/?91834> ) - PRE-CERTIFIED (adorigo - 20121001)**

It must be verified that the owner of WM and ICE PID files is root. To do this, as root, stop WMS and ICE and delete any previous WMS and ICE's PID file; then restart services and check the ownership as in the example below:

BUGS:



## WMS34\_precertification\_test < WMS < TWiki

```
[root@cream-01 ~]# /etc/init.d/glite-wms-wm stop
stopping workload manager... ok
[root@cream-01 ~]# \rm /var/run/glite-wms-workload_manager.pid
[root@cream-01 ~]# /etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@cream-01 ~]# \rm /var/run/glite-wms-ice-safe.pid
[root@cream-01 ~]# /etc/init.d/glite-wms-wm start
starting workload manager... ok
[root@cream-01 ~]# /etc/init.d/glite-wms-ice start
starting ICE... ok
[root@cream-01 ~]# ll /var/run/glite-wms-workload_manager.pid /var/run/glite-wms-ice-safe.pid
-rw-r--r-- 1 root root 6 Oct  1 11:39 /var/run/glite-wms-ice-safe.pid
-rw-r--r-- 1 root root 6 Oct  1 11:38 /var/run/glite-wms-workload_manager.pid
```

**The job replanner should be configurable (<https://savannah.cern.ch/bugs/?91941None> )**  
PRE-CERTIFIED (mcecchi 21/03/12)

EnableReplanner=true in the WM conf

```
21 Mar, 16:51:54 -I: [Info] main(/home/condor/execute/dir_2479/userdir/emi.wms.wms-manager/src/main.cpp)
21 Mar, 16:51:54 -I: [Info] operator() (/home/condor/execute/dir_2479/userdir/emi.wms.wms-manager/src/main.cpp)
21 Mar, 16:51:57 -W: [Warning] get_site_name(/home/condor/execute/dir_2479/userdir/emi.wms.wms-is
```

EnableReplanner=false in the WM conf

```
21 Mar, 16:54:02 -I: [Info] main(/home/condor/execute/dir_2479/userdir/emi.wms.wms-manager/src/main.cpp)
21 Mar, 16:54:05 -W: [Warning] get_site_name(/home/condor/execute/dir_2479/userdir/emi.wms.wms-is
```

**GlueServiceStatusInfo: ?? (<https://savannah.cern.ch/bugs/?89435> )** PRE-CERTIFIED (mcecchi 21/03/12)

```
[root@devel09 ~]# /var/lib/bdii/gip/provider/glite-info-provider-service-wmproxy-wrapper|grep -i
GlueServiceStatusInfo: /usr/bin/glite_wms_wmproxy_server is running...
```

**WMProxy limiter should log more at info level (<https://savannah.cern.ch/bugs/?72280> )**  
PRE-CERTIFIED (mcecchi 21/03/12).

In wmp conf:

```
jobRegister = "${WMS_LOCATION_SBIN}/glite_wms_wmproxy_load_monitor --oper jobRegister --load1 0
LogLevel = 5;
```

restart wmp, in wmproxy log:

```
21 Mar, 16:28:52 -S- PID: 875 - "wmputils::doExecv": Child failure, exit code: 256
21 Mar, 16:28:52 -I- PID: 875 - "wmpgsoapoperations::ns1__jobRegister": -----
21 Mar, 16:28:52 -I- PID: 875 - "wmpgsoapoperations::ns1__jobRegister": Method: jobRegister
21 Mar, 16:28:52 -I- PID: 875 - "wmpgsoapoperations::ns1__jobRegister": Code: 1228
21 Mar, 16:28:52 -I- PID: 875 - "wmpgsoapoperations::ns1__jobRegister": Description: System load
Threshold for Load Average(1 min): 0 => Detected value for Load Average(1 min): 0.19
```

\* EMI WMS wmproxy rpm doesn't set execution permissions as it used to do in gLite  
(<https://savannah.cern.ch/bugs/?89506> ) PRE-CERTIFIED (mcecchi 15/5/2012)

after installing the wmproxy rpm and without running yaim:

```
[root@devel09 ~]# ll /usr/libexec/glite_wms_wmproxy_dirmanager
-rwsr-xr-x 1 root root 18989 May 15 10:26 /usr/libexec/glite_wms_wmproxy_dirmanager
[root@devel09 ~]# ll /usr/sbin/glite_wms_wmproxy_load_monitor
-rwsr-xr-x 1 root root 22915 May 15 10:26 /usr/sbin/glite_wms_wmproxy_load_monitor
```

BUGS:

**yaim-wms: set ldap query filter expression for GLUE2 in WMS configuration**  
(<https://savannah.cern.ch/bugs/?91563> ) PRE-CERTIFIED (mcecchi)

There are GLUE2 filters for both CE and SE:

```
[root@devel09 ~]# grep G2LDAP /etc/glite-wms/glite_wms.conf IsmLiG2LDAPCEFilterExt =
"(&(amp;(objectclass=GLUE2ComputingService)(!(GLUE2ServiceType=org.glite.ce.ARC)(GLUE2ServiceType=org.glite
IsmLiG2LDAPSEFilterExt =
"(!(objectclass=GLUE2StorageService)(!(objectclass=GLUE2StorageManager)(!(objectclass=GLUE2StorageShare)(!(c
[root@devel09 ~]#
```

**JobController logfile name is misspelled**

(<https://savannah.cern.ch/bugs/?32611><https://savannah.cern.ch/bugs/?32611> ) PRE-CERTIFIED (alvise)

Verified that in the glite\_wms.conf file the log file name was correct:

```
[root@devel09 glite-wms]# grep jobcontroller glite_wms.conf
LogFile = "${WMS_LOCATION_LOG}/jobcontroller_events.log";
```

**glite-wms-job-submit doesn't always pick up other WMPProxy endpoints if load on WMS is high**

(<https://savannah.cern.ch/bugs/?40370><https://savannah.cern.ch/bugs/?40370> ) HOPEFULLY FIXED  
(alvise)

**[wms] GlueServiceStatusInfo content is ugly**

(<https://savannah.cern.ch/bugs/?48068><https://savannah.cern.ch/bugs/?48068> ) PRE-CERTIFIED  
(alvise).

Verified that the output of the command `"/etc/init.d/glite-wms-wmproxy status"` is as requested.

**[ yaim-wms ] CeForwardParameters should include several more parameters**

(<https://savannah.cern.ch/bugs/?61315><https://savannah.cern.ch/bugs/?61315> ) PRE-CERTIFIED  
(alvise):

```
[root@devel09 ~]# grep CeF /etc/glite-wms/glite_wms.conf
CeForwardParameters = {"GlueHostMainMemoryVirtualSize", "GlueHostMainMemoryRAMSize",
                        "GlueCEPolicyMaxCPUTime", "GlueCEPolicyMaxObtainab
```

**Files specified with absolute paths shouldn't be used with inputsandboxbaseuri**

(<https://savannah.cern.ch/bugs/?74832><https://savannah.cern.ch/bugs/?74832> ) PRE-CERTIFIED  
(alvise).

Verified that JDL described in the comment is correctly handled by activating debug (`--debug`); the debug log showed that the file `/etc/fstab` is correctly staged from the UI node via `gsiftp`.

**There's an un-catched out\_of\_range exception in the ICE component**

(<https://savannah.cern.ch/bugs/?75099><https://savannah.cern.ch/bugs/?75099> ) PRE-CERTIFIED  
(alvise)

Tried on my build machine (able to run ICE without WM) submitting a JDL with empty "ReallyRunningToken" attribute. ICE didn't crash as before. There's not yet possibility to test all-in-one (WMPProxy/WM/ICE) because of a problem with LCMAPS.

**Too much flexibility in JDL syntax****(<https://savannah.cern.ch/bugs/?75802><https://savannah.cern.ch/bugs/?75802> ) PRE-CERTIFIED (alvise)**

Verified with --debug that glite-wms-job-submit:

```
dorigoa@cream-01 11:00:47 ~/emi/wmsui_emi2>grep -i environment jdl2
environment = "FOO=bar";
```

```
dorigoa@cream-01 11:50:02 ~/emi/wmsui_emi2>stage/usr/bin/glite-wms-job-submit --debug -a -c ~/JDL
[...]
```

```
-----
07 March 2012, 11:50:45 -I- PID: 3397 (Debug) - Registering JDL [ stdoutoutput = "out3.out"; Signifi
[...]
```

So the mangling Environment = "FOO=bar"; -> Environment = { "FOO=bar" }; occurs correctly.

**getaddrinfo() sorts results according to RFC3484, but random ordering is lost****(<https://savannah.cern.ch/bugs/?82779><https://savannah.cern.ch/bugs/?82779> ) PRE-CERTIFIED (alvise).**

I did a not deep test. A deep test needs an alias pointing to at least 3 or 4 different WM nodes. The alias provided in the bug's savannah page just is resolved to 2 different physical hosts, and I observed that both hosts are chosen by the UI while submitting several jobs. I did this test from my EMI2 WMSUI workarea as I do not have any WMS UI EMI2 machine to try on.

**glite-wms-job-status needs a json-compliant format****(<https://savannah.cern.ch/bugs/?82995><https://savannah.cern.ch/bugs/?82995> ) PRE-CERTIFIED (alvise) from my WMSUI EMI2 workarea:**

```
dorigoa@lxgrid05 14:20:13 ~/emi/wmsui_emi2>stage/usr/bin/glite-wms-job-status --json https://wms0
{ "result": "success" , "https://wms014.cnaf.infn.it:9000/pVQojatZbyoj_Pyab66_dw": { "Current Sta
```

**Last LB event logged by ICE when job aborted for proxy expired should be ABORTED****(<https://savannah.cern.ch/bugs/?84839> ) PRE\_CERTIFIED (alvise)**

Submitted to ICE (running from my workarea emi2) a job sleeping for 5 minutes with a proxy valid for 3 minutes (myproxyserver not set, so no proxy renewal). Last event logged by ICE (as shown in the ICE's log) is:

```
2012-03-13 10:49:33,616 INFO - iceLBLogger::logEvent() - Job Aborted Event, reason=[Proxy is expi
```

**glite-wms-job-status needs a better handling of purged-related error code.****(<https://savannah.cern.ch/bugs/?85063><https://savannah.cern.ch/bugs/?85063> ) HOPEFULLY-FIXED (alvise). Reproducing the scenario that triggered the problem is highly improbable.****pkg-config info for wmproxy-api-cpp should be enriched (<https://savannah.cern.ch/bugs/?85799> ) PRE-CERTIFIED (alvise, 30/03/2012):**

```
[root@devel09 ~]# rpm -ql glite-wms-wmproxy-api-cpp-devel
/usr/include/glite
/usr/include/glite/wms
/usr/include/glite/wms/wmproxyapi
/usr/include/glite/wms/wmproxyapi/wmproxy_api.h
/usr/include/glite/wms/wmproxyapi/wmproxy_api_utilities.h
```

```
/usr/lib64/libglite_wms_wmproxy_api_cpp.so
/usr/lib64/pkgconfig/wmproxy-api-cpp.pc
[root@devel09 ~]# cat /usr/lib64/pkgconfig/wmproxy-api-cpp.pc
prefix=/usr
exec_prefix=${prefix}
libdir=${exec_prefix}/lib64
includedir=${prefix}/include
```

```
Name: wmproxy api cpp
Description: WMPProxy C/C++ APIs
Version: 3.3.3
Requires: emi-gridsite-openssl
Libs: -L${libdir} -lglite_wms_wmproxy_api_cpp
Cflags: -I${includedir}
```

**queryDb has 2 handling user's options (see ggus ticket for more info)**

(<https://savannah.cern.ch/bugs/?86267><https://savannah.cern.ch/bugs/?86267> ) PRE-CERTIFIED (alvise). The way to verify it has been the same described (by me) in the related ticket: [https://ggus.eu/tech/ticket\\_show.php?ticket=73658](https://ggus.eu/tech/ticket_show.php?ticket=73658) .

**glite-wms-job-list-match --help show an un-implemented (and useless) option "--default-jdl"**

(<https://savannah.cern.ch/bugs/?87444><https://savannah.cern.ch/bugs/?87444> ) PRE-CERTIFIED (alvise)

The command glite-wms-job-list-match --help doesn't show that option anymore.

**EMI WMS wmproxy rpm doesn't set execution permissions as it used to do in gLite**

(<https://savannah.cern.ch/bugs/?89506><https://savannah.cern.ch/bugs/?89506> ) PRE-CERTIFIED (alvise):

```
[root@devel09 ~]# ll /usr/sbin/glite_wms_wmproxy_load_monitor /usr/bin/glite_wms_wmproxy_server /
-rwxr-xr-x 1 nobody nobody 1876 Mar 2 15:14 /usr/bin/glite-wms-wmproxy-purge-proxycache
-rwxr-xr-x 1 nobody nobody 3059020 Mar 2 15:14 /usr/bin/glite_wms_wmproxy_server
-rwsr-xr-x 1 nobody nobody 22637 Mar 2 15:14 /usr/libexec/glite_wms_wmproxy_dirmanager
-rwsr-xr-x 1 nobody nobody 22915 Mar 2 15:14 /usr/sbin/glite_wms_wmproxy_load_monitor
```

no root:root and not suid bit either

**yaim-wms creates wms.proxy in wrong path (<https://savannah.cern.ch/bugs/?90129>)**

(<https://savannah.cern.ch/bugs/?90129> ) PRE-CERTIFIED (alvise)

the path of wms.proxy seems to be correct now:

```
[root@devel09 ~]# ll ${WMS_LOCATION_VAR}/glite/wms.proxy
-r----- 1 glite glite 2824 Mar 14 12:00 /var/glite/wms.proxy
[root@devel09 ~]# ll ${WMS_LOCATION_VAR}/wms.proxy
ls: /var/wms.proxy: No such file or directory
```

**ICE log verbosity should be reduced to 300**

(<https://savannah.cern.ch/bugs/?91078><https://savannah.cern.ch/bugs/?91078> ) PRE-CERTIFIED (alvise):

```
[root@devel09 etc]# grep ice_log_level /etc/glite-wms/glite_wms.conf
ice_log_level = 300;
```

**move lcmaps.log from /var/log/glite to WMS\_LOCATION\_LOG**

(<https://savannah.cern.ch/bugs/?91484><https://savannah.cern.ch/bugs/?91484> ) PRE-CERTIFIED (alvise):

```
[root@devel09 etc]# ll $WMS_LOCATION_LOG/lcmaps.log ; ll /var/log/glite/lcmaps.log
```

## WMS34\_precertification\_test < WMS < TWiki

```
-rw-r--r-- 1 glite glite 588 Mar 19 09:41 /var/log/wms/lcmaps.log
ls: /var/log/glite/lcmaps.log: No such file or directory
```

**WMS: use logrotate uniformly in ice, lm, jc, wm, wmp (<https://savannah.cern.ch/bugs/?91486> )**  
PRE-CERTIFIED (22/03/12 mcecchi)

logrotate disappeared from cron jobs

```
[root@devel09 ~]# grep -r rotate /etc/cron.d
[root@devel09 ~]#
```

because it is consistently managed here:

```
[root@devel09 ~]# ll /etc/logrotate.d/
total 96
-rw-r--r-- 1 root root 111 Mar 22 15:40 argus
-rw-r--r-- 1 root root 106 Mar 10 00:13 bdii
-rw-r--r-- 1 root root 109 Mar 22 15:39 fetch-crl
-rw-r--r-- 1 root root 194 Mar 10 11:23 glite-lb-server
-rw-r--r-- 1 root root 128 Mar 22 15:40 glite-wms-purger
-rw-r--r-- 1 root root 240 Nov 22 05:06 globus-gridftp
-rw-r--r-- 1 root root 167 Feb 27 20:09 httpd
-rw-r--r-- 1 root root 109 Mar 22 15:40 ice
-rw-r--r-- 1 root root 126 Mar 22 15:40 jc
-rw-r--r-- 1 root root 83 Mar 10 06:34 kill-stale-ftp
-rw-r--r-- 1 root root 112 Mar 22 15:40 lcmaps
-rw-r--r-- 1 root root 123 Mar 22 15:40 lm
-rw-r--r-- 1 root root 129 Mar 22 15:40 wm
-rw-r--r-- 1 root root 192 Mar 22 15:40 wmpoxy
```

**remove several dismissed parameters from the WMS configuration**  
(<https://savannah.cern.ch/bugs/?91488><https://savannah.cern.ch/bugs/?91488> ) PRE-CERTIFIED (alvise)

verified that the params cited in the savannah bug are missing in the glite\_wms.conf (this command **grep -E**

```
'log_file_max_size|log_rotation_base_file|log_rotation_max_file_number|ice.input
/etc/glite-wms/glite_wms.conf did't produce any output).
```

**WMS needs cron job to kill stale GridFTP processes (<https://savannah.cern.ch/bugs/?67489>DONE )**  
PRE-CERTIFIED (alvise, 27/03/2012)

rebuilt the RPM kill-stale-ftp from branch; installed on devel09.

```
[root@devel09 ~]# cat /etc/cron.d/kill-stale-ftp.cron
PATH=/sbin:/bin:/usr/sbin:/usr/bin
5,15,25,35,45,55 * * * * root /sbin/kill-stale-ftp.sh >> /var/log/kill-stale-ftp.log 2>&1
[root@devel09 ~]# ll /sbin/kill-stale-ftp.sh
-rwxr-xr-x 1 root root 841 Mar 27 12:29 /sbin/kill-stale-ftp.sh
```

now the path is correct with my commit of today (27/03/2012). Moreover now the script seems to be working (when invoked by the cron):

```
[root@devel09 ~]# tail -2 /var/log/kill-stale-ftp.log
=== START Tue Mar 27 14:05:01 CEST 2012 PID 6617
=== READY Tue Mar 27 14:05:01 CEST 2012 PID 6617
```

**WMS UI depends on a buggy libtar (on SL5 at least) (<https://savannah.cern.ch/bugs/?89443> )**  
PRE-CERTIFIED (alvise, 28/03/2012). Tried this JDL:

BUGS:

## WMS34\_precertification\_test < WMS < TWiki

```
dorigoa@lxgrid05 16:01:39 ~/emi/wmsui_emi2>cat ~/JDLs/WMS/wms_test_tar_bug.jdl
[
AllowZippedISB = true;
Executable = "/bin/ls" ;
Arguments = "-lha " ;
Stdoutput = "ls.out" ;
InputSandbox = {"isb1", "isb2","isb3", "temp/isb4"};
OutputSandbox = { ".BrokerInfo", "ls.out"} ;
Retrycount = 2;
ShallowRetryCount = -1;
usertags = [ bug = "#82687" ];
VirtualOrganisation="dteam";
]
dorigoa@lxgrid05 16:01:41 ~/emi/wmsui_emi2>stage/usr/bin/glite-wms-job-submit --debug -a -e https
[ ... ]
28 March 2012, 16:02:21 -I- PID: 14236 (Debug) - File Transfer (gsiftp)
  Command: /usr/bin/globus-url-copy
Source: file:///tmp/ISBfiles_YaMkV2gJJbdddD38QUNR5DA_0.tar.gz
Destination: gsiftp://devel09.cnaf.infn.it:2811/var/SandboxDir/p_/https_3a_2f_2fdevel09.cnaf.infn
-----
28 March 2012, 16:02:22 -I- PID: 14236 (Debug) - File Transfer (gsiftp) Transfer successfully don
[ ... ]
```

**So the file .tar.gz has been correctly created/transferred/removed. Verified that the source code does not use anymore the libtar's functions:**

```
dorigoa@lxgrid05 16:11:05 ~/emi/wmsui_emi2>grep -r libtar emi.wms-ui.wms-ui-commands/src/
emi.wms-ui.wms-ui-commands/src/utilities/options_utils.cpp:* of the archiving tool (libtar; if zi
emi.wms-ui.wms-ui-commands/src/utilities/options_utils.h: * of the archiving tool (
emi.wms-ui.wms-ui-commands/src/services/jobsubmit.cpp~://#include "libtar.h"
emi.wms-ui.wms-ui-commands/src/services/jobsubmit.cpp~://#include "libtar.h"
```

**Complete procedure to verify the bug and verify the fix (as reported in the savannah bug):**

```
- Have root or sudo access to a UI with EMI1 installation
- create the path /home/alex/J0
- create the NON empty files:
-bash-3.2# cd /home/alex/J0
-bash-3.2# ls -l
total 12
-rw-r--r-- 1 root root 413 May 11 14:38 hoco_ltsh.e
-rw-r--r-- 1 root root 413 May 11 14:38 ltsh.sh
-rw-r--r-- 1 root root 413 May 11 14:38 plantilla_venus.dat
(make sure they are world-readable)
- Create this JDL file:
[dorigoa@cream-12 ~]$ cat JDLs/WMS/JDL_bug_89443.jdl
[
StdOutput = "myjob.out";
ShallowRetryCount = 10;
SignificantAttributes = { "Requirements", "Rank", "FuzzyRank" };
RetryCount = 3;
Executable = "ltsh.sh";
Type = "job";
Arguments = "hoco_ltsh.e 0 1 200 114611111";
AllowZippedISB = true;
VirtualOrganisation = "gridit";
JobType = "normal";
DefaultRank = -other.GlueCEStateEstimatedResponseTime;
ZippedISB = { "ISBfiles_rjKoznMzsjvH6Nuvp0AhMQ_0.tar.gz" };
OutputSandbox = { "myjob.out", "myjob.err", "out.tar.gz" };
InputSandbox = { "file:///home/alex/J0/plantilla_venu...", "file:///home/alex/J0/ltsh.sh", "file://
StdError = "myjob.err";
rank = -other.GlueCEStateEstimatedResponseTime;
MyProxyServer = "myproxy.cnaf.infn.it";
```

**BUGS:**

## WMS34\_precertification\_test < WMS < TWiki

```
requirements = ( regexp("ng-ce.grid.unipg.it:8443/cream-pbs-grid",other.GlueCEUniqueID) )&& ( other
]
Do not change anything in it; it must be submitted "as is".
Submit this JDL with this command:
$ glite-wms-job-submit --register-only -a --debug -e https://prod-wms-01.ct.infn.it:7443... <YOUR
>&! is to redirect out/err in a file with tcsh SHELL; change it accordingly to your SHELL.
```

Then grep ZIP in the log just created:

```
11 May 2012, 15:26:14 -I- PID: 11561 (Debug) - ISB ZIPPED file successfully created: /tmp/ISBfile
ISB ZIP file : /tmp/ISBfiles_ZT4DysizXpjHOT-hmzQf2A_0.tar.gz
Decompress it:
dorigoa@cream-12 15:29:34 ~/JDLs/WMS>gunzip /tmp/ISBfiles_QPGfonkfQyOTbXa6uDpnZQ_0.tar.gz
dorigoa@cream-12 15:29:38 ~/JDLs/WMS>tar tvf /tmp/ISBfiles_QPGfonkfQyOTbXa6uDpnZQ_0.tar
-rw-r--r-- root/root 413 2012-05-11 14:38:09 SandboxDir/nJ/https_3a_2f_2fprod-wms-01.ct.infn.it_3
-rw-r--r-- root/root 413 2012-05-11 14:38:06 SandboxDir/nJ/https_3a_2f_2fprod-wms-01.ct.infn.it_3
-rw-r--r-- root/root 413 2012-05-11 14:38:12 SandboxDir/nJ/https_3a_2f_2fprod-wms-01.ct.infn.it_3
You can see that the filename hoco.ltsh.e has been truncated (hoco.ltsh.) in the archive.
Repeat the same procedure on a UI EMI2; the output will change a bit for what concern the location
```

**ICE should use env vars in its configuration (<https://savannah.cern.ch/bugs/?90830> ) PRE-CERTIFIED**  
(alvise, 29/03/2012).

Check glite\_wms.conf:

```
[root@devel09 siteinfo]# grep -E 'persist_dir|Input|ice_host_cert|ice_host_key' /etc/glite-wms/g
ice_host_cert = "${GLITE_HOST_CERT}";
Input = "${WMS_LOCATION_VAR}/ice/jobdir";
persist_dir = "${WMS_LOCATION_VAR}/ice/persist_dir";
ice_host_key = "${GLITE_HOST_KEY}";
```

**cron job deletes /var/proxycache (<https://savannah.cern.ch/bugs/?90640> ) PRE-CERTIFIED** (alvise,  
29/03/2012). Verified the usage of "-mindepth 1" as explained in the bug's comment on savannah:

```
[root@devel09 cron.d]# grep proxycache *
glite-wms-wmproxy-purge-proxycache.cron:0 */6 * * * root . /usr/libexec/grid-env.sh ; /usr/bin/gl
[root@devel09 cron.d]# grep find /usr/bin/glite-wms-wmproxy-purge-proxycache
find $1 -mindepth 1 -cmin +60 > $tmp_file
```

**ICE jobdir issue - 1 bad CE can block all jobs (<https://savannah.cern.ch/bugs/?80751> )**  
PRE-CERTIFIED (alvise, 29/03/2012). This is HOPEFULLY FIXED; I verified that the source code fixing  
the problem is there, but it is very difficult to test it, because it is needed to simulate a CE continuously going  
in connection timeout.

**EMI-1 WMS does not propagate user job exit code (<https://savannah.cern.ch/bugs/?92922> )**  
PRE-CERTIFIED (mccchi, 7/5/2012)

Submitted this job:

```
[
Executable = "/bin/false";
Arguments = "";
StdOutput = "out.log";
StdError = "err.log";
InputSandbox = {};
OutputSandbox = {};
myproxyserver="";
requirements = !RegExp("cream.*", other.GlueCEUniqueID);
RetryCount = 0;
ShallowRetryCount = 1;
]
```

and got:

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:

Status info for the Job : https://devel16.cnaf.infn.it:9000/SWI6lM88RZ0noSpQhmz1EQ
Current Status:      Done (Exit Code !=0)
Exit code:          1
Status Reason:      Warning: job exit code != 0
Destination:        lyogrid02.in2p3.fr:2119/jobmanager-pbs-dteam
Submitted:          Thu Jun  7 11:06:19 2012 CEST
=====
```

**glite\_wms\_wmproxy\_server segfaults after job registration failure**  
(<https://savannah.cern.ch/bugs/?94845> ) PRE-CERTIFIED (mcecchi, 18/6/2012)

This has been checked at large in all the tests. Submit a collection and check that is properly registered.

**LB failover mechanism in WMproxy needs to be reviewed** (<https://savannah.cern.ch/bugs/?90034> )  
PRE-CERTIFIED (mcecchi, 18/6/2012)

In the WorkloadManagerProxy conf, put an invalid url for the first LB in vector:

```
LBServer = {"aaa.cnaf.infn.it:9000", "devel09.cnaf.infn.it:9000"};
```

Submit a job from the UI, after a while, you will see that the second LB in the vector is picked up:

```
[mcecchi@ui ~]$ glite-wms-job-submit -a --endpoint https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server
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/T3olEsUGW4Tgi-EAp4hUcw
=====
```

**Cancellation of a dag's node doesn't work** (<https://savannah.cern.ch/bugs/?81651> ) PRE-CERTIFIED  
(mcecchi, 18/6/2012)

```
[mcecchi@ui ~]$ glite-wms-job-cancel https://devel09.cnaf.infn.it:9000/UE6W4uCneruHXY4R05azWg
Are you sure you want to remove specified job(s) [y/n]y : y
Connecting to the service https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server

===== glite-wms-job-cancel Success =====

The cancellation request has been successfully submitted for the following job(s):
- https://devel09.cnaf.infn.it:9000/UE6W4uCneruHXY4R05azWg
=====

[mcecchi@ui ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/u-ig_gAOkNyOaHMYf2kyHA
```



## WMS34\_precertification\_test < WMS < TWiki

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/u-ig_gAOkNyOaHMYf2kyHA
Current Status:      Running
Submitted:          Mon Jun 18 12:27:14 2012 CEST
```

```
=====
```

```
- Nodes information for:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/UE6W4uCneruHXY4R05azWg
Current Status:      Running
Status Reason:      unavailable
Destination:        ce03.ific.uv.es:8443/cream-pbs-short
Submitted:          Mon Jun 18 12:27:14 2012 CEST
```

```
=====
```

```
[mcecchi@ui ~]$ glite-wms-job-status https://devel09.cnaf.infn.it:9000/u-ig_gAOkNyOaHMYf2kyHA
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/u-ig_gAOkNyOaHMYf2kyHA
Current Status:      Cleared
Submitted:          Mon Jun 18 12:27:14 2012 CEST
```

```
=====
```

```
- Nodes information for:
```

```
Status info for the Job : https://devel09.cnaf.infn.it:9000/UE6W4uCneruHXY4R05azWg
Current Status:      Cancelled
Logged Reason(s):
- Cancelled by user
Status Reason:      Cancelled by user
Destination:        ce03.ific.uv.es:8443/cream-pbs-short
Submitted:          Mon Jun 18 12:27:14 2012 CEST
```

```
=====
```

**EMI WMS WM might abort resubmitted jobs (<https://savannah.cern.ch/bugs/?89508> )**  
PRE-CERTIFIED (mcecchi, 19/6/2012)

This problem was caused by the use of a throwing statement to read the value of GlueCEInfoHostName in the CE Ad. Now a non throwing one is used:

```
ce_ad->EvaluateAttrString("GlueCEInfoHostName", ceinfohostname);
```

To test it, submit to a queue that does not publish GlueCEInfoHostName. The submission should run fine, without giving this error:

```
ClassAd error: attribute "GlueCEInfoHostName" does not exist or has the wrong type (expecting "std::string")
```

**WMPProxy code requires FQANs (<https://savannah.cern.ch/bugs/?72169> )** PRE-CERTIFIED (mcecchi, 19/6/2012)

The WMP code has been changed as requested in the ticket

```
// gacl file has a valid entry for user proxy without fqan
if (execDN || execAU){
exec = execDN = execAU = true;
}
```

## Various issues found while testing

**18/04/2012**

```
1) [dorigoa@cream-12 ~]$ glite-wms-job-submit -c ~/JDLs/WMS/wmp_devel09.conf -a
~/JDLs/WMS/wms.jdl
```

Connecting to the service [https://devel09.cnaf.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server)

Warning - Unable to submit the job to the service:  
[https://devel09.cnaf.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://devel09.cnaf.infn.it:7443/glite_wms_wmproxy_server)

Proxy file doesn't exist or has bad permissions

Error code: SOAP-ENV:Server

**FIXED 17/04/12, commit in wmpoxy** The problem is due to the recent authN/Z restructuring and occurs on a jobSubmit operation (i.e. a job submitted without ISB)

**May 4 2012:**

2) load\_monitor gives: Can't do setuid (cannot exec sperl)

**FIXED** to be added dep perl-suidperl in MP

Using repo from 9/7/2012:

```
dependency: perl-suidperl
provider: perl-suidperl.i386_4:5.8.8-32.e15_7.6
provider: perl-suidperl.x86_64_4:5.8.8-32.e15_7.6
provider: perl-suidperl.x86_64_4:5.8.8-32.e15_6.3
```

3) with 'AsyncJobStart = false;' wmp crashes every second submission. problem is wherever there is a:

```
if (conf.getAsyncJobStart()) { // V Copy environment and restore it right after FCGI_Finish char** backupenv
= copyEnvironment(enviro); FCGI_Finish(); // returns control to client environ = backupenv; // /_ From here
on, execution is asynchronous }
```

```
/usr/bin/glite_wms_wmproxy_server
/lib64/libpthread.so.0
/lib64/libc.so.6(gsignal+0x35)
/lib64/libc.so.6(abort+0x110)
/lib64/libc.so.6
/lib64/libc.so.6
/lib64/libc.so.6(cfree+0x4b)
classad::ClassAd::~~ClassAd()
glite::jdl::Ad::~~Ad()
jobStart(jobStartResponse&, std::string const&, soap*)
ns1__jobStart(soap*, std::string, ns1__jobStartResponse&)
soap_serve_ns1__jobStart(soap*)
soap_serve_request(soap*)
glite::wms::wmpoxy::server::WMPoxyServe::wmpoxy_soap_serve(soap*)
glite::wms::wmpoxy::server::WMPoxyServe::serve()
/usr/bin/glite_wms_wmproxy_server(main+0x667)
/lib64/libc.so.6(__libc_start_main+0xf4)
glite::wmsutils::exception::Exception::getStackTrace()
```

**FIXED 14/05/12, commit in wmpoxy (copyEnvironment)**

4) submitting dag1.jdl getSandboxBulkDestURI(getSandboxBulkDestURIResponse&, std::string const&, std::string const&) ns1\_\_getSandboxBulkDestURI(soap\*, std::string, std::string, ns1\_\_getSandboxBulkDestURIResponse&) soap\_serve\_ns1\_\_getSandboxBulkDestURI(soap\*) soap\_serve\_request(soap\*) glite::wms::wmpoxy::server::WMPoxyServe::wmpoxy\_soap\_serve(soap\*) glite::wms::wmpoxy::server::WMPoxyServe::serve() /usr/bin/glite\_wms\_wmpoxy\_server(main+0x667) /lib64/libc.so.6(\_\_libc\_start\_main+0xf4) glite::wmsutils::exception::Exception::getStackTrace()

**FIXED 14/05/12** by an update in LB bkserver from the latest RC

```
[mcecchi@ui ~]$ glite-wms-job-submit -a --endpoint https://devel09.cnaf.infn.it:7443/glite_wms_wm
Connecting to the service https://devel09.cnaf.infn.it:7443/glite_wms_wmpoxy_server

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

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

https://devel09.cnaf.infn.it:9000/RDzM29cERl8imVCMnFoRyA

=====
```

5) WM DOES NOT MATCH ANYTHING

**FIXED**

fixed by moving requirements only on WmsRequirements on the JDL. No requirements on ce\_ad and no need for symmetric\_match anymore. The expression is now: WmsRequirements = ((ShortDeadlineJob ? TRUE ? RegExp(".\*sdj\$", other.GlueCEUniqueID) : RegExp(".\*sdj\$", other.GlueCEUniqueID)) && (other.GlueCEPolicyMaxTotalJobs = 0 || other.GlueCEStateTotalJobs < other.GlueCEPolicyMaxTotalJobs) && (EnableWmsFeedback =? TRUE ? RegExp("cream", other.GlueCEImplementationName, "i") : true) && (member(CertificateSubject,other.GlueCEAccessControlBaseRule) || member(strcat("VO:",VirtualOrganisation),other.GlueCEAccessControlBaseRule) || FQANmember(strcat("VOMS:", VOMS\_FQAN),other.GlueCEAccessControlBaseRule)) && FQANmember(strcat("DENY:",VOMS\_FQAN),other.GlueCEAccessControlBaseRule) && (IsUndefined(other.OutputSE) || member(other.OutputSE,GlueCESEBindGroupSEUniqueID)));

6) Load script on wmpoxy has security issues:

Insecure \$ENV{PATH} while running setuid at /usr/sbin/glite\_wms\_wmpoxy\_load\_monitor line 26.

**FIXED, commit in wmp** in wmpoxy, load script interpreted with perl -U

TESTED on 16/5/2012

```
16 May, 16:13:55 -D- PID: 6886 - "wmpcommon::callLoadScriptFile": Executing command: /usr/sbin/g
16 May, 16:13:55 -D- PID: 6886 - "wmpcommon::callLoadScriptFile": Executing load script file: /us
```

**22/05/12. INSTALLING FROM EMI2 RC4**

7) [root@devel09 ~]# /usr/bin/glite-wms-workload\_manager 22 May, 11:51:06 -I: [Info] main(main.cpp:289): This is the gLite Workload Manager, running with pid 2454 22 May, 11:51:06 -I: [Info] main(main.cpp:297): loading broker dll libglite\_wms\_helper\_broker\_ism.so cannot load dynamic library

libglite\_wms\_helper\_broker\_ism.so: /usr/lib64/libgsoap++.so.0: undefined symbol: soap\_faultstring

25/5/12 **FIXED**, commit in broker-info Makefile.am

## 22/05/12

8) slower MM after authZcheck by conf? (0/4310 [1] )

**FIXED**

15 Jun, 10:07:19 -I: [Info]

checkRequirement(/home/mcecchi/34/emi.wms.wms-matchmaking/src/matchmakerISMImpl.cpp:105): MM for job: https://devel09.cnaf.infn.it:9000/0LXzbbGARFooXwYBAPOXEQ (0/1145 [0] )

fixed using artefacts from remote build

9) Submission to CREAM DOES NOT WORK with collections and dags

**FIXED** by commit in wmpoxy (setJobFileSystem)

```
- Cannot move ISB (retry_copy ${globus_transfer_cmd}
gsiftp://devel09.cnaf.infn.it:2811/var/SandboxDir/tu/https_3a_2f_2fdevel09.cnaf.infn.it_3a9000_2f
file:///scratch/9462489.1.medium/home_crm07_232749015/CREAM232749015/Test.sh) :
```

```
error: globus_ftp_client: the server responded with an error
500 500-Command failed. : globus_l_gfs_file_open failed.
500-globus_xio: Unable to open file
/var/SandboxDir/tu/https_3a_2f_2fdevel09.cnaf.infn.it_3a9000_2ftutvLp_5fPTFrLUqQH4OSS-A/input/Tes
500-globus_xio: System error in open: Permission denied
500-globus_xio: A system call failed: Permission denied
500 End.
```

```
- Cannot move ISB (retry_copy ${globus_transfer_cmd}
gsiftp://devel09.cnaf.infn.it:2811/var/SandboxDir/tu/https_3a_2f_2fdevel09.cnaf.infn.it_3a9000_2f
file:///scratch/9462489.1.medium/home_crm07_232749015/CREAM232749015/Test.sh) :
error: globus_ftp_client: the server responded with an error500
500-Command failed. : globus_l_gfs_file_open failed.500-globus_xio:
Unable to open file
/var/SandboxDir/tu/https_3a_2f_2fdevel09.cnaf.infn.it_3a9000_2ftutvLp_5fPTFrLUqQH4OSS-A/input/Tes
System error in open: Permission denied500-globus_xio: A system call
failed: Permission denied500 End.; Cannot move ISB (retry_copy
${globus_transfer_cmd}
```

```
gsiftp://devel09.cnaf.infn.it:2811/var/SandboxDir/tu/https_3a_2f_2fdevel09.cnaf.infn.it_3a9000_2f
file:///scratch/9462489.1.medium/home_crm07_232749015/CREAM232749015/Test.sh) :
error: globus_ftp_client: the server responded with an error 500
500-Command failed. : globus_l_gfs_file_open failed. 500-globus_xio:
Unable to open file
/var/SandboxDir/tu/https_3a_2f_2fdevel09.cnaf.infn.it_3a9000_2ftutvLp_5fPTFrLUqQH4OSS-A/input/Tes
500-globus_xio: System error in open: Permission denied
500-globus_xio: A system call failed: Permission denied 500 End.
Status Reason: failed (LB query failed)
```

10) Proxy exception: Unable to get Not Before date from Proxy

It happens on submission when wmp serving processes restart **FIXED** committed in wmpoxy (initwmp before authZ)

```
/var/log/wms/wmpoxy.log-18 Jun, 10:14:31 -I- PID: 22575 - "wmpoxy::main": Maximum core request
/var/log/wms/wmpoxy.log-18 Jun, 10:14:31 -I- PID: 22575 - "wmpoxy::main": Exiting WM proxy serv
/var/log/wms/wmpoxy.log-18 Jun, 10:14:31 -I- PID: 24999 - "wmpoxy::main": ----- Starting Serv
/var/log/wms/wmpoxy.log-18 Jun, 10:14:31 -I- PID: 24999 - "wmpoxy::main": WM proxy serving proc
```

/var/log/wms/wmproxy.log-18 Jun, 10:14:31 -I- PID: 24999 - "wmproxy::main": -----

Reason is that Sandboxdir misses from the path

15 Jun, 12:08:23 -D- PID: 31416 - "WMPAuthorizer::checkProxyValidity": Proxy path: /var//ji/https  
 15 Jun, 12:08:23 -E- PID: 31416 - "WMPAuthorizer::getNotBefore": Unable to get Not Before date fr

11) wms-wm stop doesn't delete pid file (and check-daemons kicks in)

**FIXED by commit in wm init script**

12) Configuration of Condor 7.8.0

**FIXED by commit in yaim**

13) Build against Condor 7.8.0 **FIXED** commit in jobsubmission

fix NEEDED in condorg.pc to build from FHS condor

14) Restarting /usr/bin/glite\_wms\_wmproxy\_server... -bash: condorc-initialize: command not found

condorc-initialize was meant for the glite CE. Not needed.

in /opt/glite/yaim/functions/config\_gliteservices\_wms **FIXED** commit in yaim

15) Job to JC always stay in Running

**FIXED by commit in jobsubmission** (was due to the recent cleanup)

16) Crashes in WM with GLUE 2.0 purchaser enabled **FIXED** (among many others) by commit in ISM

a) glite-wms-workload\_manager: /usr/include/boost/shared\_ptr.hpp:247: typename  
 boost::detail::shared\_ptr\_traits::reference boost::shared\_ptr::operator\*() const [with T = classad::ClassAd]:  
 Assertion `px = 0' failed.

b) 15 Jun, 10:25:30 -D: [Debug] fetch\_bdii\_ce\_info\_g2(ldap-utils-g2.cpp:1290): #6993 LDAP entries  
 received in 12 seconds 15 Jun, 10:25:30 -E: [Error] handle\_synch\_signal(signal\_handling.cpp:77): Got a  
 synchronous signal (6), stack trace: /usr/bin/glite-wms-workload\_manager /lib64/libpthread.so.0  
 /lib64/libc.so.6(gsignal+0x35) /lib64/libc.so.6(abort+0x110) /lib64/libc.so.6(\_\_assert\_fail+0xf6)  
 boost::shared\_ptr<classad::ClassAd>::operator\*() const  
 /usr/lib64/libglite\_wms\_ism\_ii\_g2\_purchaser.so.0(\_ZN5glite3wms3ism9purchaser21fetch\_bdii\_ce\_info\_g2ERKSsmS  
 /usr/lib64/libglite\_wms\_ism\_ii\_g2\_purchaser.so.0(\_ZN5glite3wms3ism9purchaser18fetch\_bdii\_info\_g2ERKSsmS4\_1  
 glite::wms::ism::purchaser::ism\_ii\_g2\_purchaser::operator\*() void boost::\_mfi::mf0<void,  
 glite::wms::ism::purchaser::ism\_purchaser>::call<boost::shared\_ptr<glite::wms::ism::purchaser::ism\_purchaser>  
 >(boost::shared\_ptr<glite::wms::ism::purchaser::ism\_purchaser>&, void const\*) const void  
 boost::\_mfi::mf0<void,  
 glite::wms::ism::purchaser::ism\_purchaser>::operator\*()<boost::shared\_ptr<glite::wms::ism::purchaser::ism\_purchaser>  
 >(boost::shared\_ptr<glite::wms::ism::purchaser::ism\_purchaser>&) const  
 /usr/bin/glite-wms-workload\_manager(\_ZN5boost3\_bi5list1INS0\_5valueINS\_10shared\_ptrINS5glite3wms3ism9purcha  
 /usr/bin/glite-wms-workload\_manager(\_ZN5boost3\_bi6bind\_tIvNS\_4\_mfi3mf0IvN5glite3wms3ism9purchaser13ism\_  
 /usr/bin/glite-wms-workload\_manager(\_ZN5boost6detail8function26void\_function\_obj\_invoker0INS\_3\_bi6bind\_tIvN  
 boost::function0<void, std::allocator >::operator\*() const /usr/bin/glite-wms-workload\_manager  
 /usr/bin/glite-wms-workload\_manager boost::function0<void, std::allocator >::operator\*() const  
 glite::wms::manager::server::Events::run() boost::\_mfi::mf0<void,  
 glite::wms::manager::server::Events>::operator\*(glite::wms::manager::server::Events\*) const

17) Crash in LM **FIXED** commit in CVS (SubmitHost not allocated by Condor APIs)

```

Program received signal SIGSEGV, Segmentation fault. 0x0000003d02e782b0 in strlen () from
/lib64/libc.so.6 (gdb) bt #0 0x0000003d02e782b0 in strlen () from /lib64/libc.so.6 #1 0x00000034e489c500 in
std::basic_string<char, std::char_traits, std::allocator >::basic_string(char const*, std::allocator const&) ()
from /usr/lib64/libstdc++.so.6 #2 0x0000003969e56708 in
glite::wms::jobsubmission::logmonitor::processer::EventSubmit::process_event() () from
/usr/lib64/libglite_wms_jss_logmonitor.so.0 #3 0x0000003969e30526 in
glite::wms::jobsubmission::logmonitor::CondorMonitor::process_next_event() () from
/usr/lib64/libglite_wms_jss_logmonitor.so.0 #4 0x00000000040fc18 in
glite::wms::jobsubmission::daemons::MonitorLoop::run() () #5 0x00000000040c39a in (anonymous
namespace)::run_instance(std::basic_string<char, std::char_traits, std::allocator > const&,
glite::wms::common::utilities::LineParser const&,
std::auto_ptr<glite::wms::jobsubmission::jcommon::LockFile>&,
glite::wms::jobsubmission::daemons::MonitorLoop::run_code_t&) () #6 0x00000000040c72b in main ()

```

18) Scheduled status missing in jc/lm **FIXED**

Committed in LM, removed getSubmitHost()

19) Condor 7.8.0 rpm **FIXED** changed spec file in condor-emi-7.8.0

removed libclassad.so, executables (classad\_version, ...), include LEFT libclassad\_7\_8\_0.so, libclassad.so.3

it conflicts with classads and classads-devel

20) proxy renewal **INVALID** this is a problem of devel09, it works ok on a clean installation

```

this error: glite_renewal_RegisterProxy Exit code: 13 LB[Proxy] Error not available (empty messages) 15
Jun, 15:55:26 -S- PID: 26528 - "WMPEventLogger::registerProxyRenewal": Register job failed
glite_renewal_RegisterProxy Exit code: 13 LB[Proxy] Error not available (empty messages)

```

means:

```
[root@devel09 ~]#/etc/init.d/glite-proxy-renewald status glite-proxy-renewd not running
```

21) UI BUG: zipped isb doesnt work with dags **INVALID** seems to have been fixed by some commit in the wm.

```

15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::getDN_SSL": Getting user DN...
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::getDN_SSL": User DN: /C=IT/O=INFN/OU=Personal Certif
15 Jun, 17:11:44 -D- PID: 16909 - "WMPEventlogger::registerSubJobs": Registering DAG subjobs to L
15 Jun, 17:11:44 -D- PID: 16909 - "WMPEventlogger::setLoggingJob": Setting job for logging to LB
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::getDN_SSL": Getting user DN...
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::getDN_SSL": User DN: /C=IT/O=INFN/OU=Personal Certif
15 Jun, 17:11:44 -D- PID: 16909 - "wmpcoreoperations::submit": registerSubJobs OK, writing flag f
15 Jun, 17:11:44 -D- PID: 16909 - "wmpcoreoperations::submit": Uncompressing zip file: ISBfiles_1
15 Jun, 17:11:44 -D- PID: 16909 - "wmpcoreoperations::submit": Absolute path: /var/SandboxDir/M4/
15 Jun, 17:11:44 -D- PID: 16909 - "wmpcoreoperations::submit": Target directory: /var
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::doExecv": Forking process...
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::doExecv": Parent PID wait: 16909 waiting for: 19967
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::doExecv": Parent PID after wait: 16909 waiting for:
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::doExecv": Child wait succesfully (WIFEXITED(status))
15 Jun, 17:11:44 -D- PID: 16909 - "wmputils::doExecv": WEXITSTATUS(status): 2
15 Jun, 17:11:44 -S- PID: 16909 - "wmputils::doExecv": Child failure, exit code: 512
15 Jun, 17:11:44 -S- PID: 16909 - "wmputils::doExecv": Child failure, exit code: 512
15 Jun, 17:11:44 -C- PID: 16909 - "wmputils::untarFile": Unable to untar ISB file:/var/SandboxDir
15 Jun, 17:11:44 -E- PID: 16909 - "wmpcoreoperations::submit": Logging LOG_ENQUEUE_FAIL, std::exc

```

## WMS34\_precertification\_test < WMS < TWiki

```
(please contact server administrator)
15 Jun, 17:11:44 -D- PID: 16909 - "WMPEventlogger::logEvent": Logging to LB Proxy...
15 Jun, 17:11:44 -D- PID: 16909 - "WMPEventlogger::logEvent": Logging Enqueue FAIL event...
15 Jun, 17:11:44 -D- PID: 16909 - "wmpgcoreoperations::submit": Removing lock...
15 Jun, 17:11:44 -D- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": jobStart operation excepti
(please contact server administrator)
15 Jun, 17:11:44 -I- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": -----
15 Jun, 17:11:44 -I- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": Method: jobStart
15 Jun, 17:11:44 -I- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": Code: 900
15 Jun, 17:11:44 -I- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": Description: The Operation
(please contact server administrator)
15 Jun, 17:11:44 -D- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": Stack:
15 Jun, 17:11:44 -D- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": JobOperationException: The
(please contact server administrator)
    at submit() [coreoperations.cpp:1726]
    at jobStart() [coreoperations.cpp:1838]

15 Jun, 17:11:44 -I- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": -----
15 Jun, 17:11:44 -D- PID: 16909 - "wmpgsoapoperations::ns1__jobStart": jobStart operation complet
```

22) fetch\_bdii\_ce\_info: no such object **NOT SEEN ANYMORE, seems to be a network error or something**

```
[root@devel09 ~]# grep such /var/log/wms/workload_manager_events.log 15 Jun, 17:16:35 -W: [Warning]
fetch_bdii_ce_info(ldap-utils.cpp:688): No such object 15 Jun, 17:17:56 -W: [Warning]
fetch_bdii_se_info(ldap-utils.cpp:346): No such object
```

23) cancel status not properly managed by dagmanless **FIXED** commit in WM DAG engine

a job cancelled did not cause its consequent nodes to be aborted

24) cancellation to condor does not work **FIXED** commit in jobsubmission (restored irepository in JC)

```
18 Jun, 12:29:28 -D- cancelJob(...): Condor id of job was:
18 Jun, 12:29:28 -S- cancelJob(...): Job cancellation refused.
18 Jun, 12:29:28 -S- cancelJob(...): Condor ID =
18 Jun, 12:29:28 -S- cancelJob(...): Reason: "
Couldn't find/remove all jobs matching constraint (ClusterId== && ProcId==0 && JobStatus!=3)
```

no:

on devel11 (EMI-1):

```
18 Jun, 12:46:26 -I- ControllerLoop::run(): Got new remove request (JOB ID = https://devel11.cnaf
18 Jun, 12:46:26 -I- JobControllerReal::cancel(...): Asked to remove job: https://devel11.cnaf.in
18 Jun, 12:46:26 -I- cancelJob(...): Job has been succesfully removed.
18 Jun, 12:46:26 -V- JobControllerReal::cancel(...): Job https://devel11.cnaf.infn.it:9000/_UFQCS
```

25) check logrotation **FIXED** commit in yaim (copytruncate)

from lsof, LM was reading a log.1 file

even JC:

```
-rw-r--r-- 1 glite glite          0 Jun 19 04:02 jobcontroller_events.log
-rw-r--r-- 1 glite glite    349597 Jun 19 11:47 jobcontroller_events.log.1

[root@devel09 ~]# ps aux | grep job_
root      4193  0.0  0.0  61212   760 pts/0    S+   11:48   0:00 grep job_
glite    16261  0.0  0.1 226112  6616 ?        Ss   Jun18   0:00 /usr/bin/glite-wms-job_controlle
[root@devel09 ~]# lsof -p 16261|grep .log
```



## WMS34\_precertification\_test < WMS < TWiki

```
glite-wms 16261 glite mem REG 253,0 671439 17115535 /usr/lib64/libglite_wms_logger.so.0.0
glite-wms 16261 glite 3u REG 253,0 349597 29524130 /var/log/wms/jobcontroller_events.log
```

### 26) first G2 sync purchasing is empty **FIXED**

First G2 sync purchasing had: `config.ns()->ii_dn()`,

instead of `"o=glue"`

### 27) new crash in G2 purchaser **FIXED** it's the same problem shown in point 28. The two purchasers cannot work together, as with the present design

```
19 Jun, 15:56:20 -E: [Error] handle_synch_signal (/home/mcecchi/34/emi.wms.wms-manager/src/signal_
/usr/bin/glite-wms-workload_manager
/lib64/libpthread.so.0
std::string::compare(std::string const&) const
bool std::operator< <char, std::char_traits<char>, std::allocator<char> >(std::basic_string<char,
std::less<std::string>::operator()(std::string const&, std::string const&) const
/usr/lib64/libglite_wms_ism_ii_g2_purchaser.so.0 (_ZNSt8_Rb_treeISsSt4pairIKSsN5boost6tuples5tuple
/usr/lib64/libglite_wms_ism_ii_g2_purchaser.so.0 (_ZNSt3mapISsN5boost6tuples5tupleIiiNS0_10shared
/usr/lib64/libglite_wms_ism_ii_g2_purchaser.so.0
glite::wms::ism::purchaser::ism_ii_g2_purchaser::operator() ()
void boost::_mfi::mf0<void, glite::wms::ism::purchaser::ism_purchaser>::call<boost::shared_ptr<gl
void boost::_mfi::mf0<void, glite::wms::ism::purchaser::ism_purchaser>::operator()<boost::shared_
/usr/bin/glite-wms-workload_manager(_ZN5boost3_bi5list1INS0_5valueINS_10shared_ptrIN5glite3wms3is
/usr/bin/glite-wms-workload_manager(_ZN5boost3_bi6bind_tIvNS_4_mfi3mf0IvN5glite3wms3ism9purchaser
/usr/bin/glite-wms-workload_manager(_ZN5boost6detail8function26void_function_obj_invoker0INS_3_bi
boost::function0<void, std::allocator<void> >::operator() () const
/usr/bin/glite-wms-workload_manager
/usr/bin/glite-wms-workload_manager
boost::function0<void, std::allocator<void> >::operator() () const
glite::wms::manager::server::Events::run()
boost::_mfi::mf0<void, glite::wms::manager::server::Events>::operator()(glite::wms::manager::serv
```

### 28) G1 and G2 purchasers do not work together? Yes, this is a design issue **FIXED**

`EnableIsmLiGlue13Purchasing = true;`

`EnableIsmLiGlue20Purchasing = true;`

but:

19 Jun, 16:54:39 -I: [Info]

`checkRequirement(/home/mcecchi/34/emi.wms.wms-matchmaking/src/matchmakerISMImpl.cpp:110): MM`  
`for listmatch (0/1124 [0] )`

at the beginning, and then:

```
19 Jun, 16:55:09 -D: [Debug] schedule_at (/home/mcecchi/34/emi.wms.wms-manager/src/events.cpp:156)
19 Jun, 16:55:09 -D: [Debug] operator() (/home/mcecchi/34/emi.wms.wms-manager/src/match_request.cp
19 Jun, 16:55:09 -I: [Info] checkRequirement (/home/mcecchi/34/emi.wms.wms-matchmaking/src/matchma
19 Jun, 16:55:10 -D: [Debug] schedule_at (/home/mcecchi/34/emi.wms.wms-manager/src/events.cpp:156)

19 Jun, 17:03:50 -I: [Info] checkRequirement (/home/mcecchi/34/emi.wms.wms-matchmaking/src/matchma
19 Jun, 17:03:51 -D: [Debug] schedule_at (/home/mcecchi/34/emi.wms.wms-manager/src/events.cpp:156)
```

**There are then several crashes when one purchaser causes the switch-over without the other one knowing.**

### 29) proxy renewal not installed. **FIXED** commit in `ice e wmproxy spce files` (provides `glite-px-proxyrenewal`)



30) 18/07/2012 ICE log level: from 300 to 500. Tagged yaim 0\_7, but out of the present registered build

31) 18/07/2012 ice persist\_dir is OK

32) 19/07/2012 SL6 gridftp not working **FIXED** Fixed updating to a more recent EMI-2 repo

```
root@devel08 grid-security]# LCAS_DEBUG_LEVEL=5 LCAS_LOG_LEVEL=5 LCMAPS_DEBUG_LEVEL=5 LCMAPS_LOG
[root@devel08 grid-security]# cat /tmp/ftplog.txt
[19911] Thu Jul 19 14:58:45 2012 :: GFork functionality not enabled.:
globus_gfork: GFork error: Env not set

[19911] Thu Jul 19 14:58:45 2012 :: Configuration read from /etc/gridftp.conf.
[19911] Thu Jul 19 14:58:45 2012 :: Server started in daemon mode.
[19911] Thu Jul 19 14:58:48 2012 :: New connection from: ui.cnaf.infn.it:38435
[19911] Thu Jul 19 14:58:48 2012 :: ui.cnaf.infn.it:38435: [CLIENT]: USER :globus-mapping:
[19911] Thu Jul 19 14:58:48 2012 :: ui.cnaf.infn.it:38435: [SERVER]: 331 Password required for :g
[19911] Thu Jul 19 14:58:48 2012 :: ui.cnaf.infn.it:38435: [CLIENT]: PASS dummy
[19911] Thu Jul 19 14:58:49 2012 :: ui.cnaf.infn.it:38435: [CLIENT]: PASS dummy
[19911] Thu Jul 19 14:58:49 2012 :: ui.cnaf.infn.it:38435: [SERVER]: 530-Login incorrect. : globu
530-globus_callout_module: The callout returned an error
530-an unknown error occurred
530 End.
```

33) 19/07/2012 SL6 LB not working **FIXED** Fixed updating to a more recent EMI-2 repo

34) 19/07/2012 SL6 WM not working **FIXED**

crash while loading II library

disappeared after reinstalling classad(-dev1), common and other libraries

35) 31/7/2012 Again? **FIXED** cleanup/install/yaim of latest EMI-2

```
31 Jul, 11:58:32 -D- PID: 6649 - "wmpgsoapoperations::ns1__jobStart": jobStart operation called
31 Jul, 11:58:32 -D- PID: 6649 - "WMPAuthorizer::checkProxyValidity": Proxy path: /var//oz/https_
31 Jul, 11:58:32 -E- PID: 6649 - "WMPAuthorizer::getNotBefore": Unable to get Not Before date fro
31 Jul, 11:58:32 -D- PID: 6649 - "wmpgsoapoperations::ns1__jobStart": jobStart operation exceptio
```

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This topic: WMS > WMS34\_precertification\_test

Topic revision: r107 - 2012-10-01 - AlvisDorigo



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