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# WMS 3.6.0 EMI3 Update7 pre-certification report

I installed WMS EMI3 and upgraded with the new RPMs, which are all the affected packages:

```
glite-wms-configuration-3.6.0-1
glite-wms-common-3.6.0-1
glite-wms-interface-3.6.0-1
```

The above RPMs in addition to the bugfixes, also contain a new feature (handling of WMS\_PEPC\_RESOURCEID configuration variable, [https://ggus.eu/ws/ticket\\_info.php?ticket=93831](https://ggus.eu/ws/ticket_info.php?ticket=93831) ) which affected all 3 above RPMs. This is the reason for minor version increase (3.5.x -> 3.6.0).

check the policies that keep ISBfiles in the WMS after sandbox creation ( <a href="https://issues.infn.it/jira/browse/WMS-92">https://issues.infn.it/jira/browse/WMS-92</a> , <a href="https://ggus.eu/tech/ticket_show.php?ticket=87533">https://ggus.eu/tech/ticket_show.php?ticket=87533</a> )	✓
glite-wms-check-daemon wrongly checks ICE status ( <a href="https://issues.infn.it/jira/browse/WMS-93">https://issues.infn.it/jira/browse/WMS-93</a> , <a href="https://ggus.eu/tech/ticket_show.php?ticket=93140">https://ggus.eu/tech/ticket_show.php?ticket=93140</a> )	✓
glite_wms_wmproxy_load_monitor needlessly installed with setuid privileges ( <a href="https://issues.infn.it/jira/browse/WMS-87">https://issues.infn.it/jira/browse/WMS-87</a> , <a href="https://ggus.eu/ws/ticket_info.php?ticket=94023">https://ggus.eu/ws/ticket_info.php?ticket=94023</a> )	✓
UMD Verification: EMI-3 WMS 3.5.0 Problem with Argus and WMS integration ( <a href="https://issues.infn.it/jira/browse/WMS-97">https://issues.infn.it/jira/browse/WMS-97</a> , <a href="https://ggus.eu/ws/ticket_info.php?ticket=92773">https://ggus.eu/ws/ticket_info.php?ticket=92773</a> )	✓
Three major bugs in EMI2 glite-wms-wmproxy 3.4.1-0.sl6 ( <a href="https://issues.infn.it/jira/browse/WMS-94">https://issues.infn.it/jira/browse/WMS-94</a> , <a href="https://ggus.eu/ws/ticket_info.php?ticket=94254">https://ggus.eu/ws/ticket_info.php?ticket=94254</a> )	✓
WMPProxy and Argus: setting the Argus resource ID ( <a href="https://issues.infn.it/jira/browse/WMS-85">https://issues.infn.it/jira/browse/WMS-85</a> , <a href="https://ggus.eu/ws/ticket_info.php?ticket=93831">https://ggus.eu/ws/ticket_info.php?ticket=93831</a> )	✓
Directory /var/condor/spool needs to be created when configuring WMS node ( <a href="https://issues.infn.it/jira/browse/WMS-104">https://issues.infn.it/jira/browse/WMS-104</a> )	✓

## BUG VERIFICATION

### BUG: check the policies that keep ISBfiles in the WMS after sandbox creation (08/07/2013)

I've installed the update of glite-wms-interface (3.5.0-9), submitted a job and verified that the zipped ISB is not in the job's ISB dir anymore after job start:

```
dorigoa@cream-08 14:45:06 ~>cat wms_ISB.jdl
[
Executable = "/bin/sleep" ;
Arguments = "1";
InputSandbox = {"/home/dorigoa/sandboxes/mysandbox_01", "/home/dorigoa/sandboxes/mysandbox_02", "
AllowZippedISB = true;
requirements = RegExp("cream.*", other.GlueCEUniqueID);
RetryCount = 0;
ShallowRetryCount = 1;
MyProxyServer="";
rank = - other.GlueCEStateEstimatedResponseTime;
]
```

```
dorigoa@cream-08 14:58:43 ~>glite-wms-job-submit -a -e https://cream-01.pd.infn.it:7443/glite_wms
```

```
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:

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<https://prod-wms-01.pd.infn.it:9000/dE01-elyP9zJgtiA32VGWg>

```
=====
dorigoa@cream-08 14:58:52 ~>ssh cream-01.pd.infn.it -l root
root@cream-01.pd.infn.it's password:
Last login: Fri Jul  5 16:09:48 2013 from cream-08.pd.infn.it
[root@cream-01 ~]# cd /var/SandboxDir/dE/https_3a_2f_2fprod-wms-01.pd.infn.it_3a9000_2fdE01-elyP9
[root@cream-01 https_3a_2f_2fprod-wms-01.pd.infn.it_3a9000_2fdE01-elyP9zJgtiA32VGWg]# ls -l input
total 8844
-rw-r--r-- 1 infngrid002 infngrid 15929 Jul  8 14:58 mysandbox_01
-rwxr-xr-x 1 infngrid002 infngrid 19080 Jul  8 14:58 mysandbox_02
-rwxr-xr-x 1 infngrid002 infngrid 4494144 Jul  8 14:58 mysandbox_03
-rwxr-xr-x 1 infngrid002 infngrid 4494144 Jul  8 14:58 mysandbox_04
```

### **BUG: glite-wms-check-daemon wrongly checks ICE status (08/07/2013)**

After the upgrade of the component glite-wms-configuration (3.5.0-5) I just executed the following commands on the WMS node (as root):

```
[root@cream-01 ~]# ps -ef|grep ice
glite  22260      1  0 15:13 ?          00:00:00 /usr/bin/glite-wms-ice-safe --conf glite_wms.conf
glite  22264 22260  0 15:13 ?          00:00:00 sh -c /usr/bin/glite-wms-ice --conf glite_wms.conf
glite  22266 22264  5 15:13 ?          00:00:00 /usr/bin/glite-wms-ice --conf glite_wms.conf /var
root   22304 31124  0 15:13 pts/0    00:00:00 grep ice
[root@cream-01 ~]# /etc/init.d/glite-wms-ice stop
stopping ICE... ok
[root@cream-01 ~]# ps -ef|grep ice
root   22338 31124  0 15:13 pts/0    00:00:00 grep ice
[root@cream-01 ~]# /usr/libexec/glite-wms-check-daemons.sh
[root@cream-01 ~]# ps -ef|grep ice
root   22432 31124  0 15:14 pts/0    00:00:00 grep ice
```

ICE has to remain OFF after the execution of `glite-wms-check-daemons.sh` (because the previous command `/etc/init.d/glite-wms-ice stop` is a clean shutdown of it).

### **BUG: glite\_wms\_wmproxy\_load\_monitor needlessly installed with setuid privileges (08/07/2013)**

I checked this:

```
[root@cream-01 ~]# ll /usr/sbin/glite_wms_wmproxy_load_monitor
-rwxr-xr-x 1 root root 22916 Jul  8 14:31 /usr/sbin/glite_wms_wmproxy_load_monitor
```

No bit "s" (or setuid) anymore.

### **BUG: UMD Verification: EMI-3 WMS 3.5.0 Problem with Argus and WMS integration (15/07/2013)**

I installed on SL5 (cream-01.pd.infn.it) and SL6 (cream-25.pd.infn.it) the official EMI3 WMS. I upgraded the `glite-wms-interface` rpm to version 3.5.0-9; then I reconfigured both WMSes after had activated argus in the siteinfo:

```
USE_ARGUS=yes
ARGUS_PEPD_ENDPOINTS="https://cream-46.pd.infn.it:8154/authz"
```

I restarted both WMSes and submitted successfully jobs to both WMS services (checking the relevant argus related messages in the WMS server's `wmproxy.log` logfiles):

```
dorigoa@cream-08 9:09:13 ~>glite-wms-job-submit -a -e https://cream-25.pd.infn.it:7443/glite_wms_
```

BUG: check the policies that keep ISBfiles in the WMS after sandbox creation (08/07/2013)

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Connecting to the service [https://cream-25.pd.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://cream-25.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://prod-wms-01.pd.infn.it:9000/wGz09dIKLkES6NTqR41HyQ>

=====

dorigoa@cream-08 9:09:15 ~>glite-wms-job-submit -a -e [https://cream-01.pd.infn.it:7443/glite\\_wms\\_wmproxy\\_server](https://cream-01.pd.infn.it:7443/glite_wms_wmproxy_server)

Connecting to the service [https://cream-01.pd.infn.it:7443/glite\\_wms\\_wmproxy\\_server](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://prod-wms-01.pd.infn.it:9000/I-Hsf5f-fPIp7012WUri6w>

=====

dorigoa@cream-08 9:10:08 ~>ssh root@cream-01.pd.infn.it "grep -B3 -A5 -i argus /var/log/wms/wmproxy  
root@cream-01.pd.infn.it's password:

```
18 Jul, 09:09:20 -I- PID: 31933 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 13741
18 Jul, 09:09:20 -I- PID: 31933 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
18 Jul, 09:09:20 -I- PID: 31933 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving core
18 Jul, 09:09:20 -I- PID: 31933 - "argus_authZ": creating XACML request for argus
18 Jul, 09:09:20 -I- PID: 31933 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping
18 Jul, 09:09:20 -I- PID: 31933 - "argus_authZ": creating XACML request for argus
18 Jul, 09:09:21 -I- PID: 31933 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping
18 Jul, 09:09:21 -I- PID: 31933 - "wmpcommon::getType": JDL Type: job
18 Jul, 09:09:21 -I- PID: 31933 - "wmpcoreoperations::regist JOB": Registered job id: https://prod-wms-01.pd.infn.it:9000/I-Hsf5f-fPIp7012WUri6w
18 Jul, 09:09:21 -I- PID: 31933 - "wmpcommon::getType": JDL Type: job
```

dorigoa@cream-08 9:10:51 ~>ssh root@cream-25.pd.infn.it "grep -B3 -A5 -i argus /var/log/wms/wmproxy  
root@cream-25.pd.infn.it's password:

```
18 Jul, 09:09:14 -I- PID: 6790 - "wmpcommon::initWMPProxyOperation": Remote GRST CRED: VOMS 140734
18 Jul, 09:09:14 -I- PID: 6790 - "wmpcommon::initWMPProxyOperation": Service GRST PROXY LIMIT: 6
18 Jul, 09:09:14 -I- PID: 6790 - "wmpcommon::initWMPProxyOperation": WMPProxy instance serving core
18 Jul, 09:09:14 -I- PID: 6790 - "argus_authZ": creating XACML request for argus
18 Jul, 09:09:14 -I- PID: 6790 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping u
18 Jul, 09:09:14 -I- PID: 6790 - "argus_authZ": creating XACML request for argus
18 Jul, 09:09:15 -I- PID: 6790 - "WMPAuthorizer::authorize": Argus returned PERMIT with mapping u
18 Jul, 09:09:15 -I- PID: 6790 - "wmpcommon::getType": JDL Type: job
18 Jul, 09:09:15 -I- PID: 6790 - "wmpcoreoperations::regist JOB": Registered job id: https://prod-wms-01.pd.infn.it:9000/I-Hsf5f-fPIp7012WUri6w
18 Jul, 09:09:15 -I- PID: 6790 - "wmpcommon::getType": JDL Type: job
```

### **BUG: Three major bugs in EMI2 glite-wms-wmproxy 3.4.1-0.sl6 (15/07/2013)**

The fix was made some time ago by M. Cecchi, but I do not know why the issue was still open. The EMI3 "out of the box" WMS already has the fix. Just in case I checked the owner of the files:

```
[root@cream-25 ~]# ll /usr/libexec/glite_wms_wmproxy_dirmanager /usr/sbin/glite_wms_wmproxy_load
-rwsr-xr-x 1 root root 15128 May  3 14:20 /usr/libexec/glite_wms_wmproxy_dirmanager
-rwxr-xr-x 1 root root 22916 May  3 14:20 /usr/sbin/glite_wms_wmproxy_load_monitor
```

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root is the right owner.

#### BUG: WMPProxy and Argus: setting the Argus resource ID

For this fix 3 components have been updated (glite-wms-configuration, glite-wms-common, glite-wms-interface) and after the WMS update a yaim reconfiguration is needed after put of WMS\_PEPD\_RESOURCEID="..." in the siteinfo.def file. This is my siteinfo:

```
[root@cream-01 ~]# head siteinfo/site-info.def
USE_ARGUS=yes
WMS_PEPD_RESOURCEID="pippopluto"
ARGUS_PEPD_ENDPOINTS="https://cream-46.pd.infn.it:8154/authz"
```

After yaim reconfiguration I got this:

```
[root@cream-01 ~]# grep -r pippopluto /etc/
/etc/glite-wms/glite_wms.conf: Wms_Pepc_ResourceId = "pippopluto";
/etc/grid-security/gsi-pep-callout.conf:xacml_resourceid pippopluto
```

I added the "pippopluto" resource ID into the cream-46's Argus server. Then I tried a submission to cream-01 and I checked that it went well; also I checked that the right "pippopluto" string is used by the wmpoxy:

```
18 Jul, 09:26:30 -D- PID: 2701 - "WMPAuthorizer::authorize": Argus authZ using resourceID pippopluto
```

Everytime the resourceID is changed in the files `glite_wms.conf` and `gsi-pep-callout.conf`, all gLite services must be restarted otherwise a random behavior can take place.

#### BUG: Directory /var/condor/spool needs to be created when configuring WMS node

To test this bug just check the after a removal of the directory `/var/condor`, a yaim reconfiguration will re-create correctly `/var/condor/spool` directory:

```
[root@cream-25 ~]# service gLite stop >& /dev/null
[root@cream-25 ~]# \rm -rf /var/condor
[root@cream-25 ~]# /opt/glite/yaim/bin/yaim -c -s siteinfo/site-info.def -n WMS >& /dev/null
[root@cream-25 ~]# ls -l /var/condor/
total 28
-rw-r--r-- 1 root root 3765 Jul 18 09:32 condor_config.local
drwxr-xr-x 2 glite glite 4096 Jul 18 09:31 config
drwxr-xr-x 3 glite glite 4096 Jul 18 09:32 lib
drwxr-xr-x 3 glite glite 4096 Jul 18 09:32 lock
drwxr-xr-x 3 glite glite 4096 Jul 18 09:32 log
drwxr-xr-x 3 glite glite 4096 Jul 18 09:32 run
drwxr-xr-x 3 glite glite 4096 Jul 18 09:32 spool
```

-- AlviseDorigo - 2013-07-08

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This topic: WMS > WMS350UpdatePrecertificationReport

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