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IGI gLite 3.2 x86_64 Update 24/25(SL5) - 23/03/2011

NOTES (read before start to update)

VERY IMPORTANT NOTE: Please be aware that because of the **IMPORTANT NOTE 2** below, the installation/configuration of two or more profiles/node-types on the same machine is no more supported!!!

IMPORTANT NOTE 2: Due to conflicts between new and old versions of various packages the repository "glite-generic" should be disabled: `# mv /etc/yum.repos.d/glite-generic.repo /etc/yum.repos.d/glite-generic.repo.disabled # yum clean all`

IMPORTANT NOTE 3: Download the last repo of lcg-CA and remember to cancel the old lcg-ca.repo:

egi-trustanchors.repo

MAIN NEWS:

- **BDII_top:**
New version of BDII_top (Priority ***HIGH***):
 - The main purpose of this top-level BDII release is to address IS-205, the GOC DB URL change. In addition, IS-209 and IS-185 were also addressed. IS-209 is an issue relating to the case sensitivity of GLUE 2.0 and how this is handled in the BDII. IS-185 is an issue relating to how multivalued attributes are handled in the BDII. A number of small packaging issues have also been addressed, see the rpm change log for more details.
 - Known Issue: Under some circumstances** the old bdii rpm is still installed after the update. Therefore, after updating, please check that the old version of the bdii rpm has been removed using ***rpm -q bdii***; If the previous version is still there, you can remove it using **yum remove bdii-5.1.13-1**
 - Details about bug fixes & feature
- **BDII_site:**
New version of BDII_site:
 - The main purpose of this site-level BDII release is to address IS-209 and IS-185. IS-209 is an issue relating to the case sensitivity of GLUE 2.0 and how this is handled in the BDII. IS-185 is an issue relating to how multivalued attributes are handled in the BDII. In addition, a number of small packaging issues have also been addressed, see the rpm change log for more details.
 - Known Issue: Under some circumstances** the old bdii rpm is still installed after the update. Therefore, after updating, please check that the old version of the bdii rpm has been removed using **rpm -q bdii**; If the previous version is still there, you can remove it using **rpm -e --nodeps --noscripts bdii-5.1.9-1 bdii-5.1.22-1**, and afterwards reinstall again the bdii with **yum install bdii**
 - Details about bug fixes & features
- **WN:**
New version of WN:
 - FTS clients added as new dependencies.
 - New version of WMS and LB clients.
 - New version of Data Management clients: Added python 2.5 and python 2.6 bindings for Data Management clients.
 - New version of yaim clients including the SAGA adapters configuration.
 - New version of yaim core.
 - New version of glite-version (change doesn't actually affect glite-WN).

- New version of VOMS-Admin.
- New versions of lcg-infosites and lcg-ManageVOTag.
- Details about bug fixes & features
- **STORM:**
 - This is the first release of SE_storm_[backend|frontend|checksum|gridftp] for SL5/x86_64, containing the same features as the SL4/i386 versions with the addition of:
 - **SE_storm_backend:**
 - added extended ACL usage sanity check
 - added explicit log appenders for stdout and stderr
 - added distinction between critical and not critical checks
 - removed check of mtab for mount extended attribute option
 - fixed a bug on user FQANS mapping
 - sanity check at service startup
 - changed the default JVM opts used at startup
 - default log level is INFO
 - **SE_storm_frontend:**
 - updates on internal documentation
 - added handling of distbin and distsrc
 - **SE_storm_gridftp:**
 - updates on internal documentation
 - **ig-yaim-storm:**
 - removed the default JVM opts (now managed by BE start script only)

Prerequisites

It means that all the previous updates have to be applied before the last one:

- IGI gLite 3.2 x86_64 Update 21/22/23(SL5) - 25/02/2011

Reference gLite Update

* gLite 3.2 x86_64 Updates : * gLite 3.2 Update 24 - 01/03/2011 * gLite 3.2 Update 25 - 15/03/2011

Reference packages

Package	Version
ig-metapackages	ig24_sl5
"ig-yaim"	4.0.14-3
"ig-yaim-storm"	4.0.9-12

Instructions

Checking/Updating YUM configuration

Repository settings

Please check the instructions you find at the following link:

IGI Repository settings for gLite 3.2

yum-autoupdate settings:

NOTES (read before start to update)

As good practice is suggested to **disable** the **yum-autoupdate** service. Any other settings is decided at site-manager own risk!

To disable the service it is available the following script "disable_yum.sh " (thanks Giuseppe Platania) that can be used to REALLY disable yum-autoupdate.

Updating profiles

Find your nodetype and carefully follow the corresponding **actions**.

Profiles	Metapackages* *INSTALLATION	Nodetypes* *CONFIGURATION	Service restart	Partial reconf	Total reconf	
BDII_top	"ig_BDII_top"	"ig_BDII_top"	-	-	X	Metapackage_update Nodetype_reconfigur Middleware_services
BDII_site	"ig_BDII_site"	"ig_BDII_site"	-	-	X	Metapackage_update Nodetype_reconfigur Middleware_services
SE_storm_backend	"SE_storm_backend"	"SE_storm_backend"	-	-	-	Profile_first_installati
SE_storm_frontend	"SE_storm_frontend"	"SE_storm_frontend"	-	-	-	Profile_first_installati
SE_storm_checksum	"SE_storm_checksum"	"SE_storm_checksum"	-	-	-	Profile_first_installati
WN	"ig_WN" "ig_WN_noafs" "ig_WN_LSF" "ig_WN_LSF_noafs" "ig_WN_torque" "ig_WN_torque_noafs"	"ig_WN" "ig_WN_noafs" "ig_WN_LSF" "ig_WN_LSF_noafs" "ig_WN_torque" "ig_WN_torque_noafs"	-	-	X	Metapackage_update Nodetype_reconfigur

Actions

Each of the following sections reports the actions that may be follow in order to upgrade your profiles. Please execute **ONLY** the actions listed on the table above in the column "Actions" and in the row corresponding to your profile!

Metapackage update

Please see yum tips for additional information about **YUM**.

- Update YUM metadata and install the new rpms.

```
yum clean all
yum install
```

Please remember that on case of WN you should use the "groupinstall":

```
yum groupinstall ig_WN_torque
```

Editing local configuration files

* In the last updates many variables have been changed or moved to "services" and "defaults" directories. Please carefully check your "<site-info.def>" and files under "services/" and "nodes/" directories comparing to the new ones distributed with latest released "yaim" modules. For example you can use "vimdiff" like here

below:

```
vimdiff /opt/glite/yaim/examples/siteinfo/ig-site-info.def
```

You may find more detailed information on **configuration files structure** here:

- yaim configuration files

and on **configuration variables** here:

- gLite YAIM configuration variables
- INFGRID addendum (only information complementary to the previous guide)

Nodetype reconfiguration

IMPORTANT: /services directory

Please ensure that you have all the **NEEDED** configuration files under your "/services" directory (for example: "ig-se_dpm_mysql", "ig-se_dpm_disk", ...).

For any details please refer to the reference "IGI YAIM configuration files"

Known Issues: /etc/init.d/tomcat5

Latest version of tomcat5 has a bug on its init script that arises the following error when the service is stopped/started:

```
/etc/rc.d/init.d/tomcat5: line 196: log_success_msg: command not found
```

You may fix it simply modifying the first line of "/etc/init.d/tomcat5" file as follows:

```
#!/bin/sh
```

- Reconfigure the nodetype

```
/opt/glite/yaim/bin/ig_yaim -c -s -n
```

Where "" is one of the nodetypes listed in the "Nodetypes" column of the table above.

Middleware services restart

Look at your "chkconfig" services list and restart all middleware-related service:

```
chkconfig --list | grep 3:on | sort
```

Then restart with:

```
service restart
```

Profile first installation

* Follow the IGI Installation and Configuration Guide for gLite 3.2 SL5 x86_64

-- SergioTraldi - 2012-01-31

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