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ig-CREAM-torque using last Torque (2.5.7-7) in Staged-Rollout and also WN

On CE Host (also BATCH Master PBS/Torque)

Here some steps to install the last Cream CE using the Torque Staged-Rollout release in ig/gLite distribution.

INSTALLATION:

Downloading Repositories:

```
wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/glite-cream_torque-cert.repo
wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/ig-cert.repo
wget http://repo-pd.italiangrid.it/mrepo/repos/egi-trustanchors.repo
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos_prod_prepare/3.2/glite-TORQUE
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos_prod_prepare/3.2/glite-TORQUE
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos_prod_prepare/3.2/glite-TORQUE
# optional wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/dag.repo
```

dag.repo must be enabled

In the file `/etc/yum.repos.d/sl-security.repo` add line `"exclude=c-ares"`

```
echo "exclude=c-ares" >> /etc/yum.repos.d/sl-security.repo
```

Install CA and software:

```
yum clean all
yum install ca-policy-egi-core
yum install xml-commons-apis
yum install ig_CREAM_torque
```

Create munge key

Remember to create munge key before configuring:

```
/usr/sbin/create-munge-key
chown munge.munge /etc/munge/munge.key
```

Remember to copy this key in all Worker Nodes in the Cluster and also in Torque Server if its different host to the Cream-CE host.

Follow the documentation here for more details:

- [ig documentation based on gLite](#)

CONFIGURATION:

```
/opt/glite/yaim/bin/ig_yaim -c -d 6 -s /usr/local/nfs/cert-3_2/lsf/ig-site-info.def.current -n ig
```

Results

see attached log

On WN Hosts

INSTALLATION:

Downloading Repositories:

```
wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/glite-cert-wn_torque.repo
wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/ig-cert.repo
wget http://repo-pd.italiangrid.it/mrepo/repos/egi-trustanchors.repo
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos_prod_prepare/3.2/glite-TORQUE
wget http://grid-deployment.web.cern.ch/grid-deployment/glite/repos_prod_prepare/3.2/glite-TORQUE
# optional wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/dag.repo
```

Install CA and software:

```
yum clean all
yum install ca-policy-egi-core
yum groupinstall ig_WN_torque
```

Copy munge key

Remember to copy the munge.key form the batch master to the WNs:

```
scp cert-09:/etc/munge/munge.key /etc/munge/
chown munge.munge /etc/munge/munge.key
```

Follow the documentation here for more details:

- ig documentation based on gLite

CONFIGURATION:

```
/opt/glite/yaim/bin/ig_yaim -c -d 6 -s /usr/local/nfs/cert-3_2/lsf/ig-site-info.def.current -n ig
```

TESTING:

JOB Submission:

From an EMI UI creating proxy and submission:

```
-bash-3.2$ voms-proxy-init -voms dteam
Enter GRID pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Sergio Traldi
Creating temporary proxy ..... Done
Contacting lcg-voms.cern.ch:15004 [/DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch] "dteam" Fail

Error: Error during SSL handshake:

Trying next server for dteam.
Creating temporary proxy ..... Done
Contacting voms2.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr] "dteam" Done
Creating proxy ..... Done
Your proxy is valid until Fri Jan 20 04:23:37 2012

-bash-3.2$ glite-ce-job-submit -r cert-09.pd.infn.it:8443/cream-pbs-cert -a testCream.jdl
https://cert-09.pd.infn.it:8443/CREAM779007243
```

JOB Status:

```
-bash-3.2$ glite-ce-job-status https://cert-09.pd.infn.it:8443/CREAM779007243
```

```
***** JobID=[https://cert-09.pd.infn.it:8443/CREAM779007243]  
Status      = [DONE-OK]  
ExitCode    = [0]
```

Test submission (see log) : **PASSED**

This topic: IGIRelease > TestingIggLiteCreamTorque

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