

## Submitting edg-tests via NMI (by Matvey Sapunov):

- 1) Set X509\_USER\_PROXY i.e. "export X509\_USER\_PROXY=path\_to\_file\_with\_your\_proxy".
- 2) Download and install user space UI. For details look at this page [↗](#), section "UI Install". Just copy-past code and change GLITE\_ROOT variable if you want.
- 3) Download task-specific RPM(s) and install it using recipe from the same page [↗](#), section "Local APT Repository". Again, just copy-past code and change package name(s).
- 4) Set LD\_LIBRARY\_PATH variable. As far as you install UI in non standard location, system doesn't know where to get shared libraries for grid specific programs. So in my case I set it like "export LD\_LIBRARY\_PATH=\$GLITE\_ROOT/opt/globus/lib".
- 5) Then, you should set path to grid-specific executables. Just set PATH variable as "export PATH=\$PATH:\$GLITE\_ROOT/opt/globus/bin/:\$GLITE\_ROOT/opt/edg/bin/" 6) UI need to read appropriate CA, for doing this you need to setup variable X509\_CERT\_DIR, like "export X509\_CERT\_DIR=\$GLITE\_ROOT/etc/grid-security/certificates"
- 7) After defining all variables just simply run your command with or without arguments.
- 8) For the time being, don't forget to tar results you get "tar czvf results.tar.gz \*"

## Code example:

```
#!/bin/bash
export PATH=$PATH:$PWD/bin
export X509_USER_PROXY=$PWD/my_proxy
echo "----- Try to get UI -----"
GLITE_ROOT=/tmp/glite-ui
rm -rf $GLITE_ROOT
mkdir $GLITE_ROOT
wget --no-check-certificate https://twiki.cern.ch/twiki/pub/EGEE/DMUserspaceInstall/glite-userspa
echo "----- Try to install UI ---"
bash glite-userspace-installer-1.5.0.shar
cd glite-userspace-installer-1.5.0
export GLITE_APT_REPOSITORY='rpm http://glitesoft.cern.ch/EGEE/gLite/APT/R1.4/ rhel30 externals R
./glite-userspace-install.sh $GLITE_ROOT
bash <<EOF
source $GLITE_ROOT/root/env_settings
glite-userspace-apt-get update
glite-userspace-apt-get install --yes glite-ui-config
EOF
echo "----- Try to get&install specific RPM(s) -----"
mkdir -p /tmp/localrepo/RPMS.mine
wget http://gridportal.fzk.de/distribution/crossgrid/releases/allfiles/7.3/edg/WP6/edg-gridftp-cl
genbasedir /tmp/localrepo/
mkdir -p /tmp/obsoletes/glite-wn/etc/apt/sources.list.d/
echo 'rpm file:/tmp localrepo mine' >/tmp/obsoletes/glite-wn/etc/apt/sources.list.d/mine.list
bash <<EOF
source $GLITE_ROOT/root/env_settings
glite-userspace-apt-get update
glite-userspace-apt-get install edg-gridftp-client
EOF
echo "----- Try to execute test(s) -----"
cd ..
export LD_LIBRARY_PATH=$GLITE_ROOT/opt/globus/lib
export PATH=$PATH:$GLITE_ROOT/opt/globus/bin/:$GLITE_ROOT/opt/edg/bin/
source test_site.conf
export HTML_DIR=$PWD
```

```
export MAINSCRIPT=yes
export X509_CERT_DIR=$GLITE_ROOT/etc/grid-security/certificates
edg-testbed-test BaseTest::GridFTP lxb1921.cern.ch lxb1737.cern.ch lxb0724.cern.ch lxb2018.cern.c
tar czvf results.tar.gz *
```

## List of tests wich can be submitted by edg-testbed-test command (so-called standalone tests):

- 1) DNS-ReverseDNS [↗](#)
- 2) GridFTP [↗](#)
- 3) GlobusGatekeeper [↗](#)

## Links:

[NMI at CERN \(ETICS\) ↗](#)

[EticsGliteTesting page on the ETICS Web](#)

-- AndreasUnterkircher - 04 Apr 2006

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This topic: LCG > EticsNmiFramework

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