

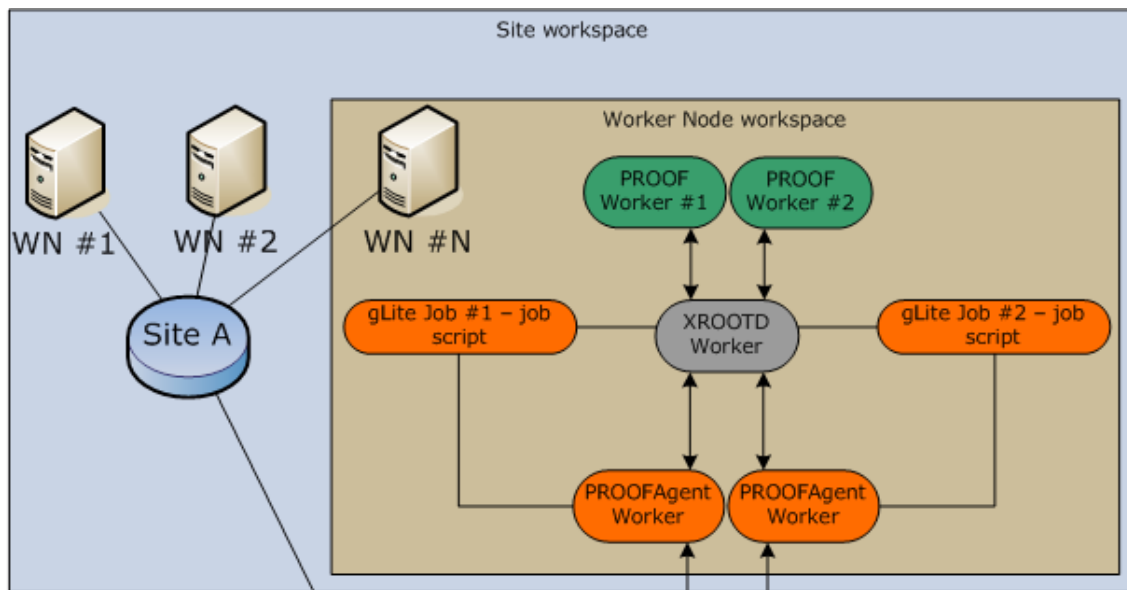


gLitePROOF v.2.0.4

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Overview



Prerequisites for remote workspace:

1. gLite WMS (WMProxy endpoint)
2. gLite WNs (at least v3.0)
 - Outgoing connection for GLOBUS ports.

Prerequisites for user workspace:

1. ROOT framework (at least ROOT 5.16)
2. gLite UI v3.1

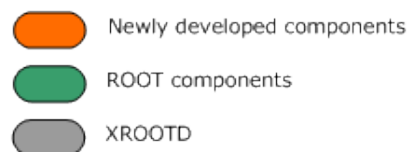
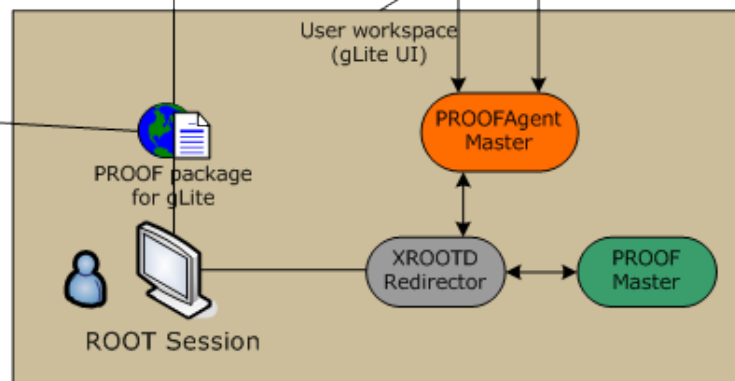
Content of gLite job:

gLitePROOF.jdl
gLitePROOF.sh
xpd.cfg (generic XROOTD config)
PROOF Agent (worker mode)
proofagent.cfg.xml



Workspace content:

gLite UI
ROOT
XROOTD (with GSI authentication)
xpd.cfg (generic XROOTD config)
PROOF Agent (master mode)
proofagent.cfg.xml
Server_gLitePROOF.sh
PAConsole (optional)



Requirements

Download

- [Stable Releases](#)
- [Nightly Releases](#)

Installation

Step #1

Choose a directory where you want to install gLitePROOF, we take **/tmp/test** as an example. Unpack gLitePROOF tarball to this directory:

```
tar -C /tmp/test -xzf gLitePROOFpackage.2.0.4.tgz
```

Tar will create a new directory – **gLitePROOFpackage**, where gLitePROOF package will be located.

Step #2

Change to the gLitePROOF directory:

```
cd /tmp/test/gLitePROOFpackage
```

and edit the *install* script. In the script you need to change at least the **INSTALL_PATH** variable. It should point to the **gLitePROOFpackage** directory. In our example it will look like the following:

```
INSTALL_PATH=/tmp/test/gLitePROOFpackage
```

You may want to change some other setting. Here the description of the variables, which could be used to adjust gLitePROOF installation:

Variable	Description
INSTALL_PATH	A full path to the gLitePROOF installation.
GAW_PKG	TODO
GAW_LINK	TODO
GAW_OPTIONS	TODO
PROOFAgent_PKG	TODO
PROOFAgent_LINK	TODO
PROOFAgent_OPTIONS	TODO
PAConsole_PKG	TODO
PAConsole_LINK	TODO
PAConsole_OPTIONS	TODO
QTDIR	TODO

QTINC	TODO
QTLIB	TODO

Step #3

Execute installation script, which will perform downloads of required modules, build them and configure gLitePROOF for the first run:

```
./install
```

Step #4

In order to enable gLitePROOF environment you need to source the ***gLitePROOF_ENV.sh*** script:

```
source gLitePROOF_ENV.sh
```

You need to source this script every time when you want to use gLitePROOF or source it from your bash profile.

Now the installation is done. If there were problems during installation, please see [Support](#) or [Known Issues](#).

Configuration

As it was mentioned above gLitePROOF consists of several modules and to configure gLitePROOF one should configure some of these modules.

GAW

PROOFAgent

XROOTD

How to run

Test

To test your gLitePROOF installation you can use a simple test provided with the distributive (see

the **test** directory in your gLitePROOF installation folder). The test performs a simple ROOT analysis.

Copy the **test/dstarmb.root** file to the location which you specified as your **olb.path** in the **template/xpd.cf.template** files. It is also recommended to make several copies of the root file, like **/opt/PROOF_DATA/dstarmb0.root** and **/opt/PROOF_DATA/dstarmb1.root** if you use a default location.

In the **test/simple_test0.C** file you have to change the following lines so that they reflect your configuration:

```
set->Add( "root://depc218.gsi.de:20094//opt/PROOF_DATA/dstarmb0.root" );  
set->Add( "root://depc218.gsi.de:20094//opt/PROOF_DATA/dstarmb1.root" );
```

Now you are ready to perform this test. Use the [How to run](#) chapter to perform this test using gLitePROOF.

Known Issues

For the list of known issues please follow the following link: [gLitePROOF Trac](#)

Support

- Your requests you can send to: [Anar Manafov](#) or to [GSI GridTeam](#).
 - Use [gLitePROOF Trac](#) to find out details or/and post tickets related to the project. There you also can find SVN repository, Build system, and project and source code documentation.
 - Meet [RGLite and gLitePROOF Blog](#).
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