



upgrading DIRAC to v6

Bruno Santeramo - 13/10/2011



changelog - DFC



FileCatalog (DFC) enhancements

- DirectoryLevelTree - consistent application of the max directory level using global MAX_LEVELS variable
- Directory metadata is deleted together with the directory deletion
- The logic of the files query by metadata revisited to increase efficiency
- allow up to 15 levels of directories (is it possible MAX_LEVELS > 15 ??)



changelog - ProxyManager



ProxyManager

- NEW: dirac-proxy-init will check that the lifetime of the certificate is less than one month and advise to renew it
- NEW: Proxy manager will send notifications when the uploaded proxies are about to expire (configurable via CS)
- NEW: -U flag will upload a long lived proxy to the ProxyManager
- NEW: If /Registry/DefaultGroup is defined, try to generate a proxy that has that group
- NEW: Can define via CS if the proxy has to be automatically uploaded.

If AutoUploadProxy = true in the CS, the proxy will automatically be uploaded



changelog - various



MySQL

NEW: Allow definition of the port number in the configuration

Package base installation tools

NEW: release preparations and installation tools based on installation packages

SiteDirector (Direct pilot submission to sites with SiteDirector)

NEW: Few more checks of error conditions

Managing multiple VOs

Properly set the log levels and headers based on the type of component



changelog - various



Updated DISET Framework

NEW: modified client/server protocol

TransformationAgent logic enhancement

CHANGE: Add new file statuses in production monitoring display

CHANGE: limit the number of files to be treated in TransformationAgent for replication and removal (default 5000)

New configuration management console (CLI)

NEW: A configuration script for CS that behaves like an UNIX shell.



Depot - 1



in Dirac-Production setup we are using v5r13p2

in SuperB-Test setup is installed v6r0-pre7

When upgrading to v6r0 series from v5r13 series the changes are quite important and the upgrade should be done in a non-standard way. Namely, either you upgrade with the new dirac-install script which comes with v6r0 or you use two steps procedure:

1. upgrade to v5r14 just to bring in the new installation tools (this is not a working release)
2. Immediately after p.1. you upgrade to v6r0



Depot - 2



entering sysadmin CLI on testing machine and typing show commands I get this error message:

```
ERROR: Can't connect to dips://gridtest-05.ba.infn.it:9162/Framework/SystemAdministrator: {'Message': "Could not connect to ('gridtest-05.ba.infn.it', 9162): ('90.147.66.25', 9162): Can't connect: [Errno 111] Connection refused", 'OK': False}
```

The problem essentially was that in v6r0-pre1 there was a version of python 2.5 taken by default. This python is no more supported. used the following command to update:

enter as dirac user, then

```
source /opt/dirac/bashrc
```

```
dirac-install -l DIRAC -r v6r0-pre6 -g 2010-11-20 -i 26 etc/dirac.cfg
```