Installing with VOMS support

This description, based on the official MyProxy⧉ instructions, is targeted for the non-expert user and hence provides more details on the individual steps.

First, the tool pacman needs to be installed, which is used to install specific packages of VDT⧉.

```
wget http://vdt.cs.wisc.edu/software/pacman/3.20/pacman-3.20.tar.gz
tar zxvf pacman-3.20.tar.gz
source setup.sh
```

Second, install the VOMS package via pacman.

```
mkdir /opt/vdt
cd /opt/vdt/
pacman -get http://vdt.cs.wisc.edu/vdt_181_cache:VOMS
```

The third step is to install necessary parts of the Globus Toolkit for MyProxy. One option is to follow these initial setup steps⧉ and these MyProxy-globus steps⧉.

```
mkdir /opt/globus-4.0.5
chown globus:globus /opt/globus-4.0.5
su - globus
export GLOBUS_LOCATION=/opt/globus-4.0.5
./configure --prefix=$GLOBUS_LOCATION
make gsi-myproxy
```

In case the installation of Globus is not possible, the necessary parts can also be installed via VDT:

```
pacman -get http://vdt.cs.wisc.edu/vdt_181_cache:Globus-Base-SDK
```

After the Globus installation, depending on the actual installation path, the following environment variables should be set:

```
export GLOBUS_LOCATION=/opt/vdt/globus
export GLITE_LOCATION=/opt/vdt/glite
source /opt/vdt/setup.sh
chown globus:globus /opt/vdt/globus
```

Before installing MyProxy itself from source, some VOMS libraries need to be built beforehand. This can be done by building them directly from source. Note that the current up-to-date version may differ:

```
wget https://glite.web.cern.ch/glite/packages/R3.0/R20060502/src/glite-security-voms-1.6.16_src.t
tar zxf glite-security-voms-1.6.16_src.tar.gz
cd glite-security-voms-1.6.16

./configure  --with-globus-prefix=$GLOBUS_LOCATION --with-globus-flavor=gcc32dbg
make
make install
```

In some cases the two steps make and make install fail with a 'docbook2man not found' error, but as long as the compile step was successful and the libraries got installed into $GLITE_LOCATION/lib, these errors are not a problem.

Finally, installing MyProxy with VOMS support. Note that the location of the VOMS libraries, as created in the previous step, needs to be a) added to LD_LIBRARY_PATH and b) used for the --with-voms option of the configure step.

```
export LD_LIBRARY_PATH=$GLITE_LOCATION/lib:$LD_LIBRARY_PATH
```

```
cd ../myproxy-4.1
./configure --with-flavor=gcc32dbg --with-voms=/opt/glite
make install
```

After successful installation, checking the version of myproxy-server should display the VOMS support:

```
myproxy-server -V
'myproxy-server version MYPROXYv2 (v4.1 10 Sep 2007 PAM VOMS OCSP)'
```

For configuration of MyProxy, follow these configuration steps⬚.

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