Preprequisites

To be able to connect to host cvmfs-lhcb, you need to be part of egroup LxCvmfs-lhcb⬚. Please note that all members of "lhcb-cvmfs-librarians" are automaticallly included in this egroup so normally no action is needed for release shifters to be able to connect.

Software Installation

Connection to "shared" account on host "cvmfs-lhcb"

All installation of software is done on host "cvmfs-lhcb", under the account called "shared".

So first connect to "cvmfs-lhcb":

```
ssh yourusername@cvmfs-lhcb
```

Then check that nobody else is connected to install software:

```
$ pgrep -fl -u shared
$ sudo -i -u shared
```

Software installation

- Upload your changes using the scripts from the ${HOME}/bin directory:

```
install_software.sh <Project> <version>
```

- One you have done all the installs, you have to update the global catalog (needs to be done just once at the end, to publish everything that you have installed)

```
cvmfs-update-client
```

Note that the various `install_software` and `cvmfs-update-client` commands can be chained by separating them with `;`

Appendix

IT CVMFS Information

All information from IT Department can be found at https://twiki.cern.ch/twiki/bin/view/CvmFS/Installers

LHCB Software on cvmfs-lhcb

Scripts

All updates to software deployed on cvmfs should be done under account "shared". "/home/shared/bin" contains the necessary scripts to add/remove software:

* **install_software.sh**: To call install_project to add new projects/versions * **remove_software.sh**: To Remove software versions * **cvmfs-update-client**: Synchronize the CVMFS file system

Some other scripts are also available (same name as above but prefixed with std_ perform the smae action without logging)

The output of those command is automatically logged to "/home/shared/logs/install.log

CRON

The local CRON is running on this host to automatically update SQLDDDB every hour. The logs for this cron is in: /home/shared/logs/update_sqlddb.log

A backup of the CRONTAB is available in /home/shared/conf.crontab.backup

-- BenjaminCouturier - 21-Feb-2012

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