

PeggyVine

- FTP program for gLite Grid Environments -

By

Pasieka Manuel , mapa17@posgrado.upv

What can you do?

- Brows the LFC catalog
- Upload and download files

How is it implemented?

- Python 2.4+ Script
- using lfc2-utils and lcg-XX tools

Browsing is used the lfc2-utils library

Download and upload of data the lcg-cr / lcg-cp system tools

Usage

- Setting of environment variables

```
export LCG_GFAL_INFOSYS=topbdii.core.ibergrid.eu
export LCG_CATALOG_TYPE=lfc
export LFC_HOME=/grid/tut.vo.ibergrid.eu
export LFC_HOST=lfc01.ncg.ingrid.pt
export LCG_GFAL_VO=tut.vo.ibergrid.eu
export LCG_RFIO_TYPE=dpm
```

- Create a proxy

```
voms-proxy-init --voms tut.vo.ibergrid.eu
```

- Run PeggyVine

```
python PeggyVine.py
```

Ask for help

```
> help
```

Commands

Basics

help ... Informs about known commands and their usage
quit / q ... Quit application

LFC Commands

ls ... Lists content of current LFC directory
LS ... Verbose listening of current LFC directory
cd ... Changes current LFC directory

get ... Downloads a file from LFC
put ... Uploads local file to LFC and SE specified

Local System commands

lpwd ... Prints local current working directory
lls ... Generate local file system listening
lcd ... Change local file system directory

Advanced Commands

pwd ... Prints path of current LFC directory
export ... Print and set environment variables
se ... Prints list of known SE for current VO
setSe ... Set default SE by index
x ... Run arbitrary shell command

Demo

Possible improvements

- Support to create directories
- Support to remove directories and files
- Wildcards for filenames
- Auto complete of filenames

References

- <https://github.com/mapa17/PeggyVine>
- https://grid.sara.nl/wiki/index.php/Using_the_Grid/Grid_storage
- <https://gilda.ct.infn.it/wikimain/-/wiki/Main/LfcAPI>

Questions?

