PRODUCT DISTRIBUTION P⊕RTAL

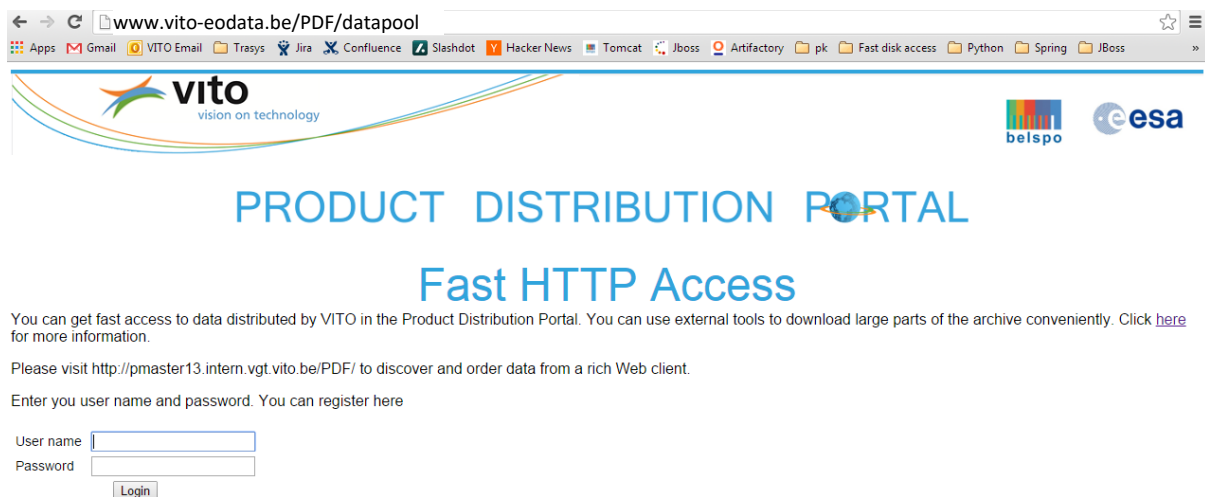# Fast HTTP Access – User manual

Contents

General

The 'Fast HTTP Access' portal is designed to retrieve easily a HTTP URL, allowing you to download multiple files recursively.

The minimum information which is required to download data from Fast HTTP Access is

- o **Username** - {PDFUserName}
- o **Password** - {PDFPassword}
- o Datapool **URL -** ({DatapoolUrl}).   You can get the URL by navigating to the Fast Http Access pages.

The username and password for the Fast HTTP Access page, is the same as your username and password from the http://www.vito-eodata.be portal, where you can register.
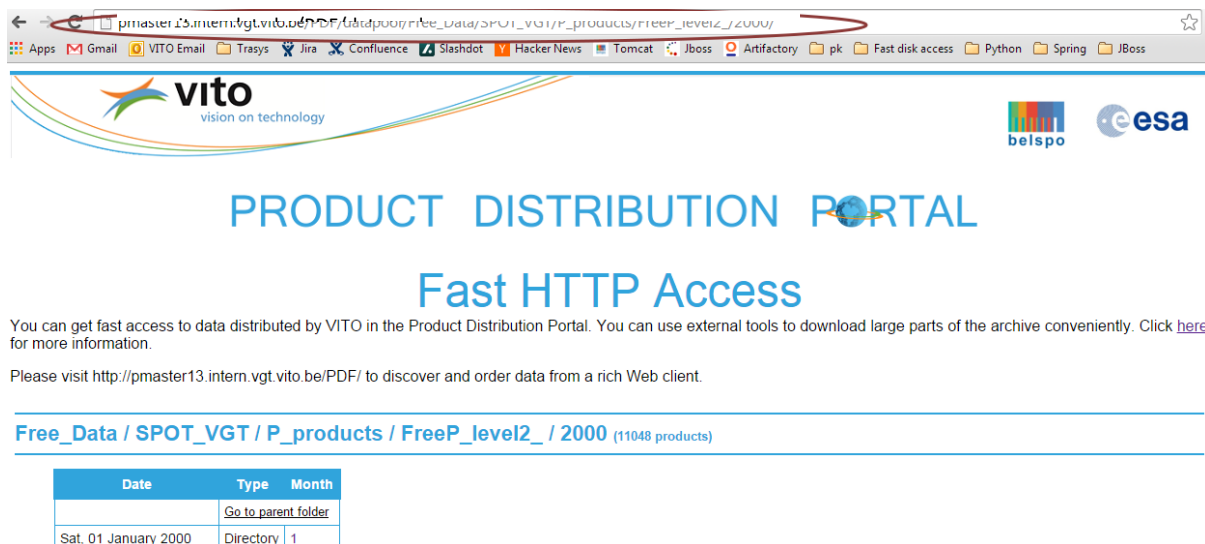
The {DatapoolUrl} can be copied from the Datapool page address bar. (See image below)

Example URLs

Retrieve all HDF5 data for a collection for a specific year/month/day

Per year	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/
Per month	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/
Per day	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/
Per product	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/PV_S1_TOC-20140115_333M_V101/

### *Retrieve all HDF5data for a specific region*

Per year	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/**?coord=-10.1,-5.1,10.0,5.0**
Per month	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/**?coord=-10.1,-5.1,10.0,5.0**
Per day	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/**?coord=-10.1,-5.1,10.0,5.0**
Per product	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/PV_S1_TOC-20140115_333M_V101/?coord=-10.1,-5.1,10.0,5.0

If you want to download only a specific region, the **coord** parameter (in LonLat) can be added to the URL. The structure of this URL part is

?coord=X_{LL},Y_{LL},X_{UR},Y_{UR}

where (X_{LL},Y_{LL}) is the LonLat coordinates of the lower-left corner of the boundingBox and (X_{UR},Y_{UR}) is the LonLat coordinates of the upper-right corner. E.g. ?coord=-10.1,-5.1,10.0,5.0
Note: the **coord** parameter is only supported for PROBA-V synthesis products.

(X_{UR}, Y_{UR})
10.0, 5.0

(X_{LL}, Y_{LL})
-10.1, -5.1
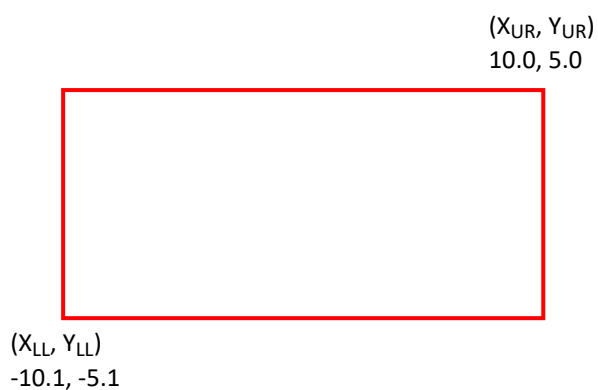
Retrieve available GEOTIFF data for a collection for a specific year/month/day

By default **HDF5** files will be downloaded. You can download the available **GEOTIFF** files by specifying the parameter **mode=tif** in the url.

Per year	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/**?mode=tif**
Per month	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/**?mode=tif**
Per day	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/**?mode=tif**
Per product	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/PV_S1_TOC-20140115_333M_V101/**?mode=tif**
Per day with coordinates	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/?coord=-10.1,-5.1,10.0,5.0**&mode=tif**
Per product with coordinates	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/PV_S1_TOC-20140115_333M_V101/?coord=-10.1,-5.1,10.0,5.0**&mode=tif**
Mode parameter for HDF5	http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/**?mode=hdf5**

Note: if a GEOTIFF is not yet available on disk it cannot be downloaded via the datapool but can be ordered via the PDF portal.

The following sections explain how you can use these URLs to download large amounts of data using free tools on Linux and Windows.

Tools

Linux tools

WGET

Download page: http://www.gnu.org/software/wget/

This command line tool can be installed using the command **yum install wget** or by downloading from http://ftp.gnu.org/gnu/wget/

Usage

wget -r --user={PDFUserName} --password={PDFPassword} {DatapoolUrl}

To avoid unnecessary download you can add the --reject parameter.
wget -r -- reject "index.html *" --user={PDFUserName} --password={PDFPassword} {DatapoolUrl}

To reduce the number of parent folders the parameters --nH (skip creation of host directory) and --cut-dirs (the skip the creation of parent directories) can be used.
wget -r -- reject "index.html *" -nH --cut-dirs=5 --user={PDFUserName} --password={PDFPassword} {DatapoolUrl}

Example:
wget -r --user=demouser --password=xxxx http://www.vito-eodata.be/PDF/datapool/Free_Data/PROBA-V_300m/S1_TOC_-_300_m_C1/2014/1/15/PV_S1_TOC-20140115_333M_V101/
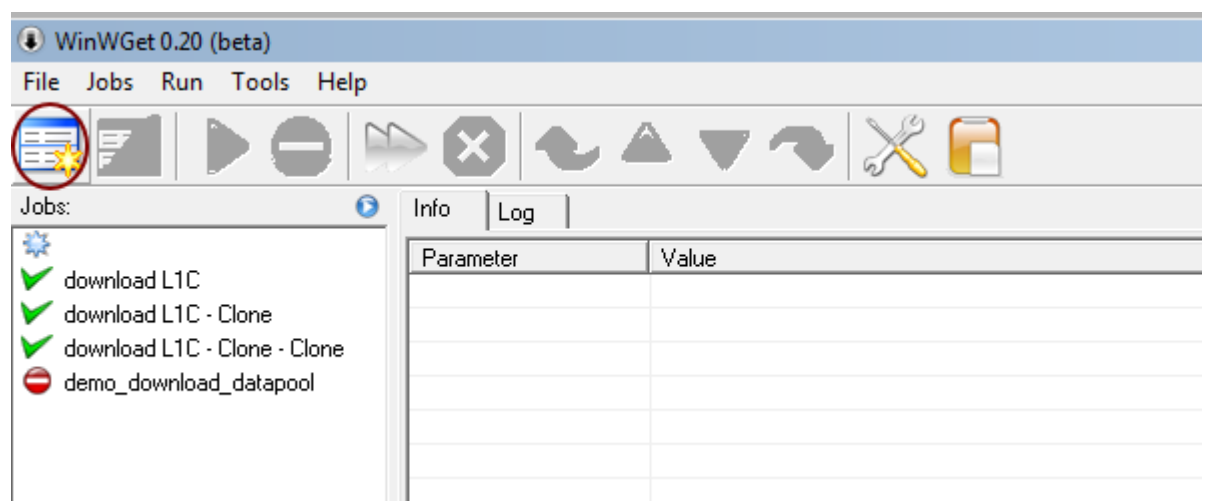
Windows tools
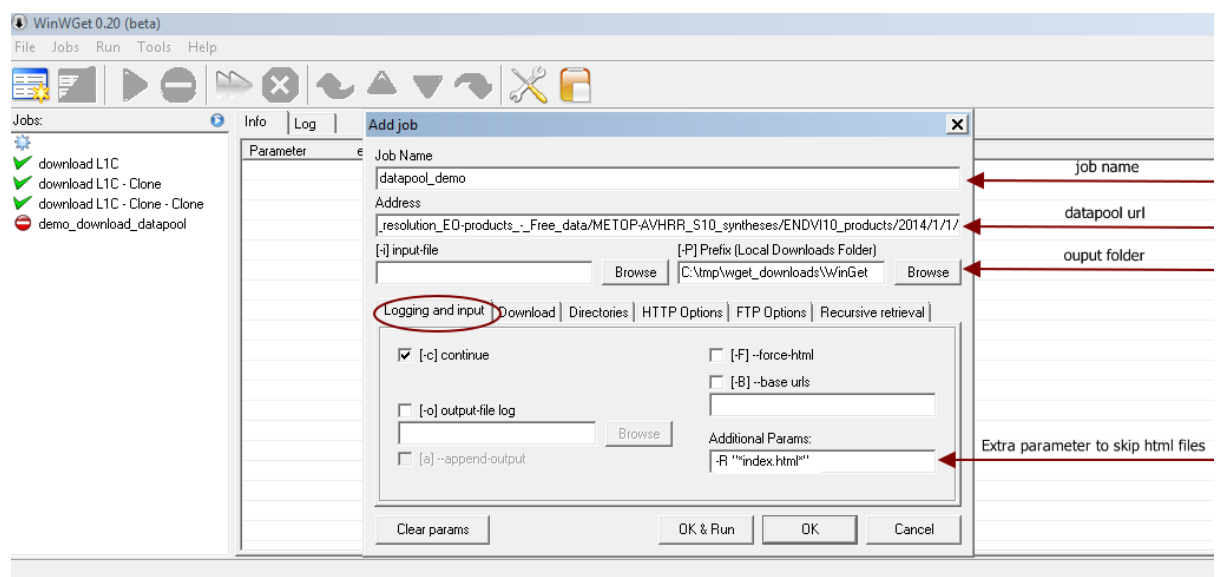
WinWGet

Download page: http://cybershade.us/winwget/

Winget uses jobs to download parts of a website. The following steps are needed to create a job.
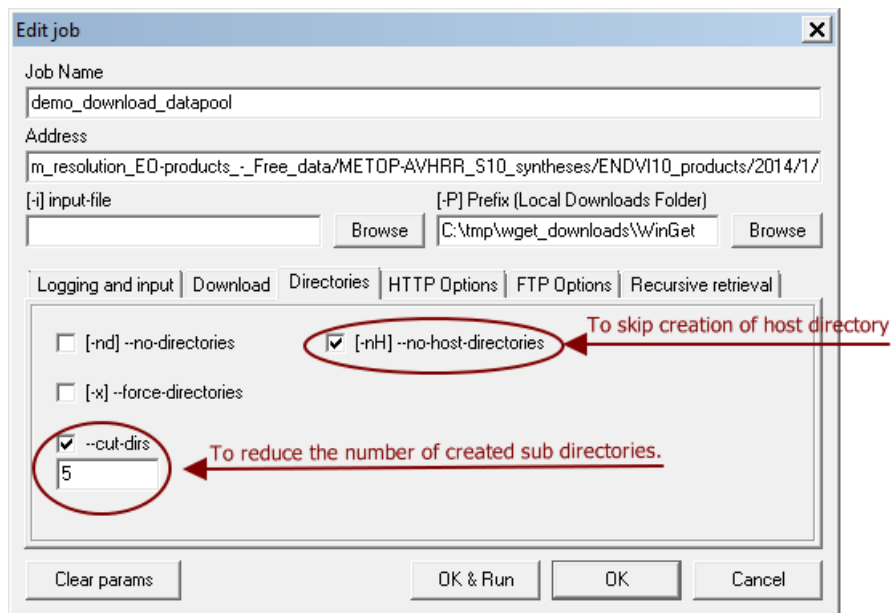
1) click on the 'add job' button

2) In the 'Logging and input' tab: fill in the data marked by the arrows.

3) By default WinWGet will download the complete folder structure from the server. To skip redundant parent folders the 'cut-dir' and ' -no-host-directory' options can be set in the 'Directories' tab.

4) In the 'HTTP Options' tab the PDF user name and password needs to be defined. Optionally the proxy credentials can be entered here. The proxy URL can be set in → Tools → Options page (see image below)
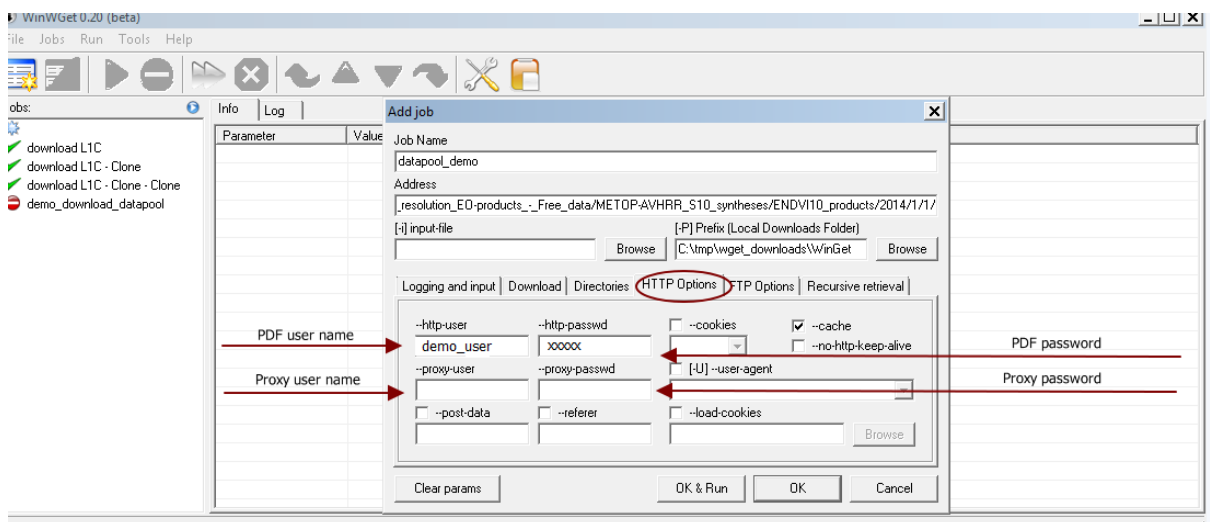
5) In the 'Recursive retrieval' tab the –r checkbox needs to be activated to download the products recursively.
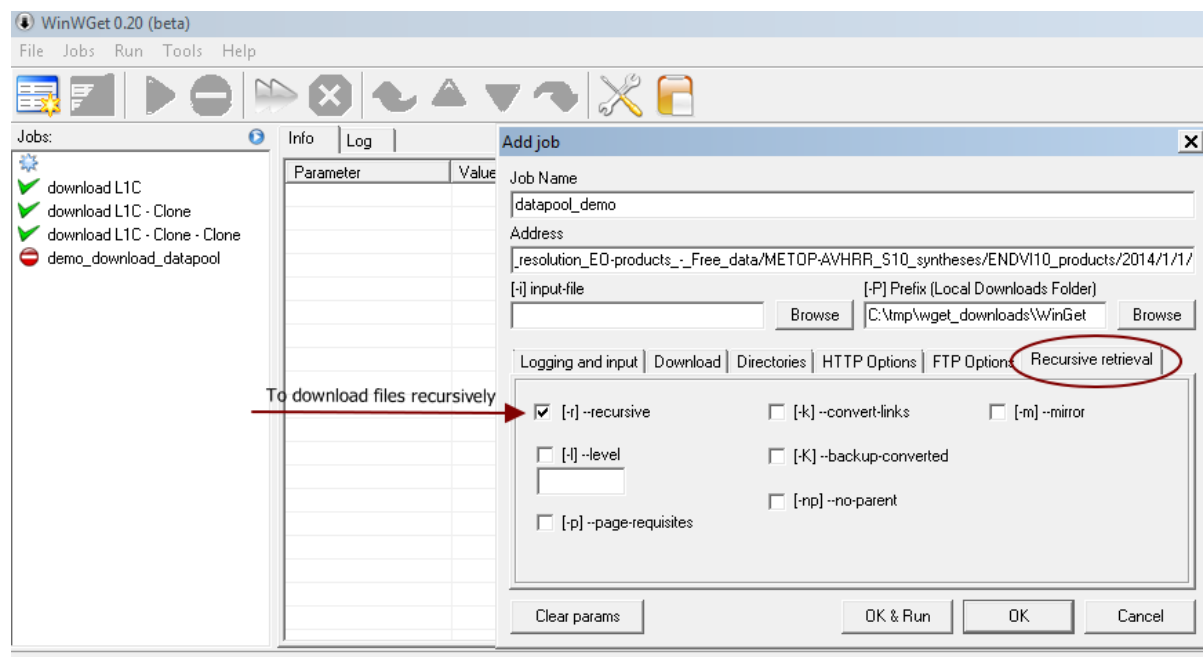
When the job is configured the job can be saved by clicking 'OK' button.

Starting the actual download of a job can be done via 3 ways:

      1) By clicking 'OK & Run' button in the job creation wizard.

      2) When the job is saved:

- Via the Toolbar → Run → Run Job
- By selecting a job and clicking right mouse button.
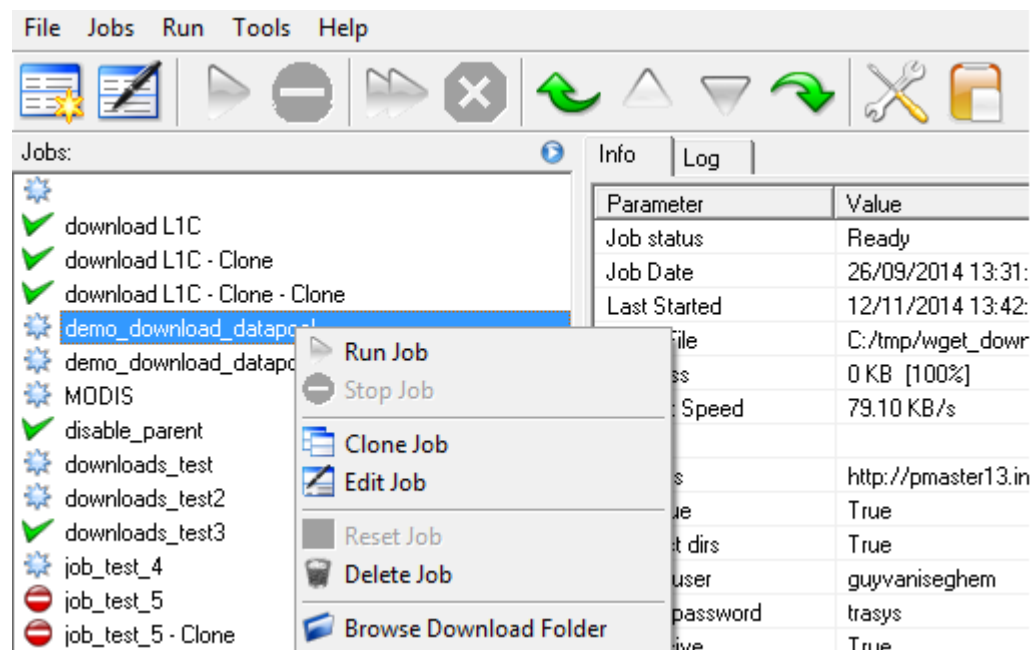
Right mouse menu	
Run Job	To start downloading the data. When the job has already been finished the job needs to be reset first. See 'Reset Job' action
Edit Job	To change the settings of a job. If the job has already been fininshed a 'Reset Job' action needs be done first.
Clone Job	To make a copy of the selected job
Reset Job	Is active when a job has finished downloading.
Delete Job	To delete the job. This will only delete the job. The downloaded files will not be deleted.
Browse Downloaded Folder	To view the files that where downloaded.

If needed the proxy URL can be set via → 'Tools' menu → 'Options' page to enter proxy URL.
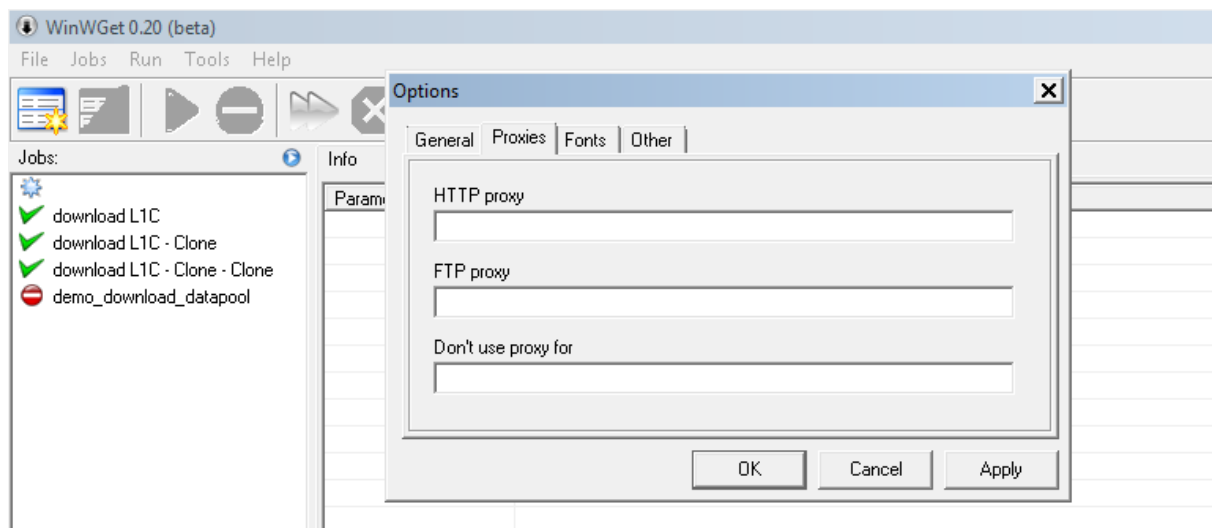
More tools…

A large number of free HTTP GET tools are available on the internet.   Below you can find some other interesting tools.

Name	OS	Homepage
HTTrack	Windows / Linux	http://www.httrack.com/
Uget	Windows / Linux	http://ugetdm.com/downloads
Free Download Manager	Windows	http://www.freedownloadmanager.org/