

The LangTran system – BitTorrent Sync system setup information

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1 Introduction

Well, you have looked through the file [1 LangTran_setup.pdf](#), and you have decided to install the Resilio or BitTorrent Sync client. (Individuals are allowed to use the basic version of Resilio Sync free of charge, but institutions need to pay. BitTorrent Sync is free for all users. Follow the steps below to get the appropriate Sync program for your platform.) This will automatically synchronize files from the LangTran repository to a folder on your own computer. As an ordinary user, you will be able to download software, but you will not be able to change anything in the on-line repository.

If you want to use an Android phone or tablet to synchronize files from the LangTran repository, please use the procedure described in [2 LT Android_setup.pdf](#) instead of reading this file.

2 Make a folder for your local repository

Make a folder somewhere on your computer, or on a USB memory stick or memory card. I suggest you call it *LangTranLocal*. From now on I'll refer to your local repository by that name.

3 Choose what to get from the LangTran system

Different users have different situations, so we provide a number of *read-only keys* (also called *Secrets*), one for each situation. You'll need a main folder, and you may need one or more sub-folders. Look through the following list, and decide which one you want to use as your main folder.

3.1 Linux computers:

Double-click the key to select it, hold down the *Ctrl* key and tap *C* to copy the selection into the clipboard, then read on.

- a) **Linux** main programs
about 1.8 GB on 2019-04-03
key: BLTGSEUWJ2IPZI4U3ZAX52A6EP4WTZU4S
- b) **Linux_Balsa** – installers for Basic Language Software Appliance (prepackaged Linux)
about 1.1 GB on 2019-04-03
key: BJGSQQSAFPWSMYS4FFLPUIQ6ZQST3YKQX
- c) **Linux_Wasta** – installers for the Wästa version of Ubuntu Linux (32 and 64-bit)
about 7.2 GB on 2014-03-18
key: B6CY7YTJIK2CSFSAJJBVG VYGS5Y2ICXE2
- d) **Linux Tech support, 32-bit** programs
about 722 MB on 2019-04-03
key: BNIIMA5FAMGYSK2FT7LAXDPB26N5GG4OQ

- e) **Linux Tech support, 64-bit** programs
about 709 MB on 2019-04-03
key: BXVN4MWCXRADAVWX5YDWYG7OX557HOK2V

3.2 Macintosh computers:

Double-click the key to select it, hold down the *Apple/Command* key and tap *C* to copy the selection into the clipboard, then read on.

- f) **Mac** programs
about 2.4 GB on 2019-04-03
key: BHJJXZCXBQU7VG7I7G3TIYIQOKLTHXOUN

3.3 Windows computers:

Double-click the key to select it, hold down the *Ctrl* key and tap *C* to copy the selection into the clipboard, then read on.

- g) **Everything a Windows user with fast internet could want** to download,
excluding non-English things, large system files, videos and software for developing
Android apps
about 8.9 GB on 2019-04-03
key: BOJ7A7R2Z5QUTIRTIFK2MTSD636SVJCZU
- h) **The main things a Windows user with medium internet might want** to download,
excluding non-English and 64-bit things and the same exclusions as above.
about 8.1 GB on 2019-04-03
key: BAPUSSVGYQGADYGMORYYKT5XWQO7QQ24U
- i) **Utility** programs for the **64-bit** version of **Windows**
about 584 MB on 2019-04-03
key: BLD4VBQSVHKKH6KQM2TI4VHWMICXWTLJ4V
- j) **Large System Files** such as format converters for MS Office for **Windows**
about 465 MB on 2019-04-03
key: B56WZGSEKT5BIAQYZ7DQP6XHQTGFWOMVD
- k) **French** versions of **Windows** programs
about 356 MB on 2019-04-03
key: BDIKLEEDHTVIKKZD7PSCURNMQEYLMBW5H
- l) **Indonesian** versions of **Windows** programs
about 76 MB on 2016-11-09
key: BS2EGVYJCC7WW3HOH7PUWEFO3PARWHUKG
- m) **Portuguese** versions of **Windows** programs
about 215 MB on 2019-04-03
key: BXTZBRRB7TXS4GPY42O4O743STL26ZFGE
- n) **Russian** versions of **Windows** programs
about 215 MB on 2019-04-03
key: BC37RGANGI4XXLQXJMKBPZ6O3XQ3C6S2M
- o) **Spanish** versions of **Windows** programs
about 256 MB on 2019-04-03
key: B7YYUTIK5GAJ55Y2SI6PJJ5Z2QZ6UHFKU

- p) Windows programs for **Developing** apps for **Android** phones and/or tablets
about 1.7 GB on 2019-04-03
key: B5Q33U6TZRG4PVLBTF7UHTOBHCGX7REZE

3.4 Apps for Android devices, usable from any computer

- q) Apps for **Android** phones and/or tablets. You can use any kind of computer to get these, and then copy them to an Android device to install them there
about 87 MB on 2019-04-01
key: BASVZOCE744XU5RBAXUGF7COAFGC2P4UK

3.5 Coding conversion for Mexican languages, with any computer:

- r) **TECkit maps** and fonts for languages in **Mexico**
about 126 MB on 2019-04-03
key: BHEWLYGSUUT6J5PYY6AOCOAAOFAZM6R5

3.6 Training videos in English, useful on any platform

- s) **Videos in English** on using Bloom, FLEEx, Hear This, Keyman, Paratext, Primer Pro, Rapid Word Collection, SayMore, Scripture App Builder and Translator's Workplace
about 6.5 GB on 2019-04-03
key: B6GTLGQTKVCV46W6FYIC2TINOQ3LM5WPD

3.7 Training videos in other languages, useful on any platform

- t) **Videos in Chinese (simplified) (HanS)** on using Paratext,
about 189 MB on 2019-04-01
key: B4LZWHLYE5T6YUOZZ5DZJVURXHXFZNCEZ
- u) **Videos in Chinese (traditional) (HanT)** on using Paratext,
about 118 MB on 2019-04-01
key: BUYDVCW42GF6DFN5X4XY3OADIZIRYMQAA
- v) **Videos in French (FR)** on using Paratext,
about 712 MB on 2019-04-01
key: B66WCC3IHPD6LGIMHPKN5KXKHF3LH5LJC
- w) **Videos in Indonesian (ID)** on using Paratext,
about 331 MB on 2019-04-01
key: BOT77DP5MF6IPB4GIV42A2XL5JUUFPPXNF
- x) **Videos in Portuguese (PT)** on using Paratext,
about 737 MB on 2019-04-01
key: BHXUA36ADCK4GHYMFH5GKWFSRJWKUOZFF
- y) **Videos in Russian (RU)** on using Paratext,
about 351 MB on 2019-04-01
key: BGZL7BOEYVV2REOL6BLSWG4E5A6DEW7WH
- z) **Videos in Spanish (ES)** on using Paratext,
about 955 MB on 2019-04-01
key: B6O27FUZW6SHQQ2MD64PRHTFXVITVITCV

4 Make a folder within *LangTranLocal* for your chosen files

Each *key* that you use to get files from the LangTran system needs its own folder within your *LangTranLocal* folder. For example, if your main key will be from point *g* or *h* in section 3 above, I suggest you call this new folder something like *Win_main* (or *Linux_main* for key *a* or *Mac_main* for key *f*).

5 Download and install the BitTorrent Sync client

(If you want to set up this synchronising on a Macintosh computer, skip down to section [5.2](#), for a Linux computer, skip down to section [5.3](#).)

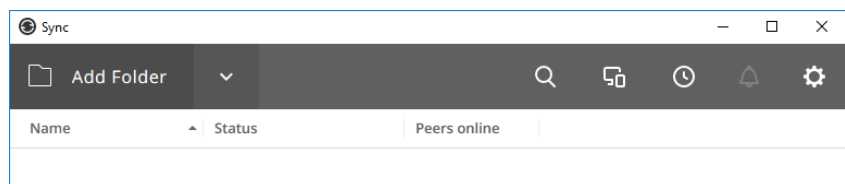
5.1 For a Windows computer:

The newest version of the client software, [Resilio Sync](#), works well with LangTran, but is free only for personal use.

If you are setting up LangTran for an organisation, you should use the older version of the client software, called *BitTorrent Sync* instead. Download it from here [BTSync-2.3.8.exe](#) and install it.

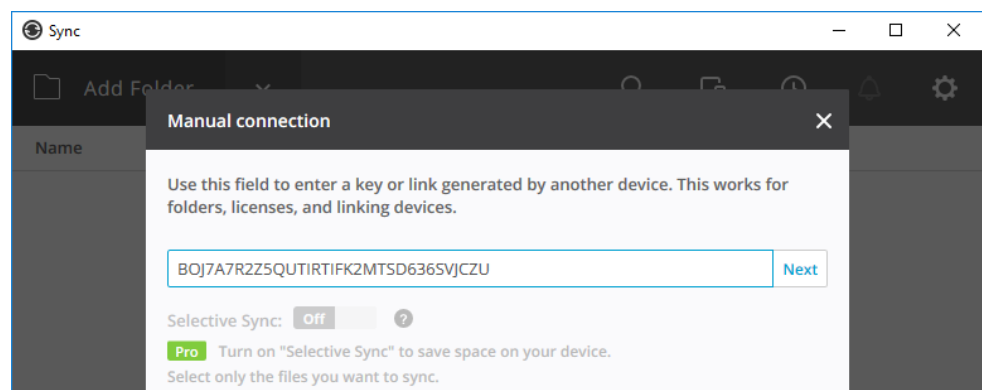
The setup program will prompt you to install an update – choose “Skip this version”.

The main window looks like this:

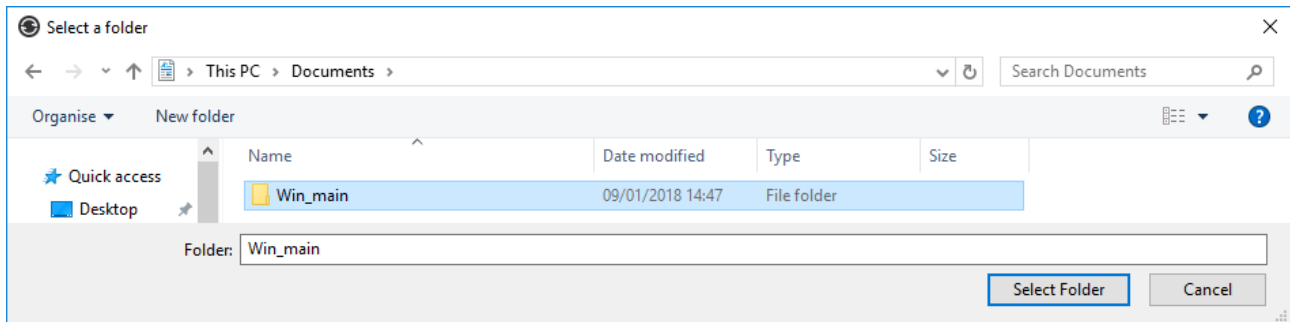


Click the down arrow beside *Add Folder* and choose “Enter a key or link”.

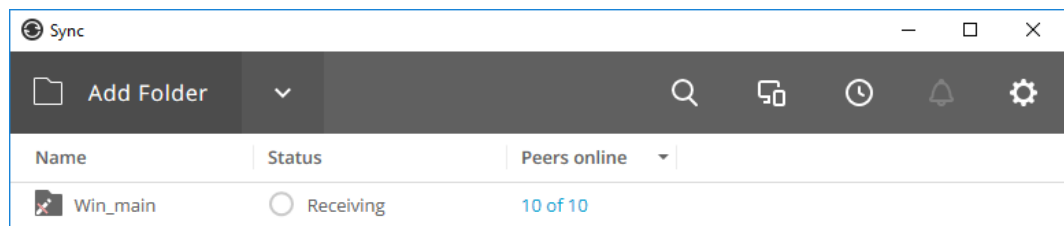
Paste the key for the folder you have chosen, and click Next:



Browse to the folder that you made in section 4, such as *Win_main* and select that folder:



The folder name will appear in the list, and after a few moments you should see the client start to receive files:



So if you have followed my suggestions for folder names, you will then have a folder in your LangTran repository, something like this:

LangTranLocal/Win_main (key: B0J7A7R2Z5QUTIRTIFK2MTSD636SVJCZU)

You can synchronize from as many LangTran folders as you like, but each key must apply to its own folder on your computer. I would put them all inside the folder *LangTranLocal*, but you can put your local folders wherever you like. If you would like to sync with other folders, skip down to section 6.

Otherwise, check the headings in the outline in the left column of this file, and click any that interest you. If not, you have finished, and the files you have selected will sync to your computer whenever it is connected to the internet.

If that stops happening, open this file again and read the section 8 on Troubleshooting.

5.2 For a Macintosh computer

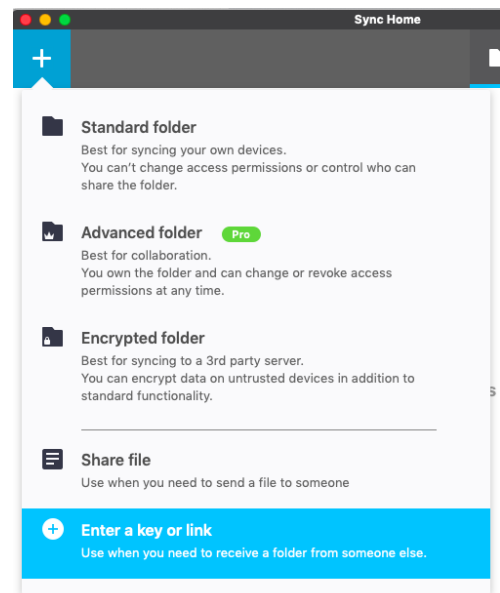
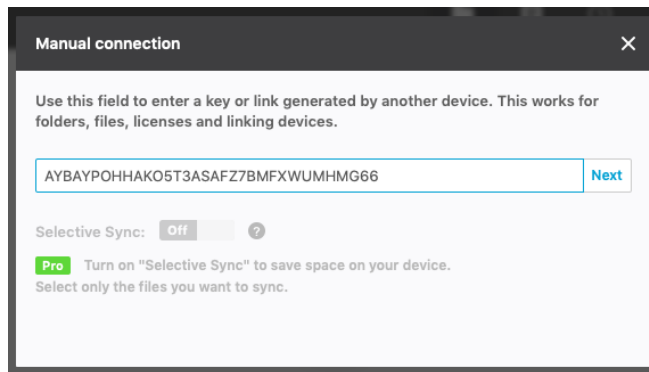
5.2.1 Individual user with OS-X 10.8 or later:

If you are an individual user, and you are using OS X 10.8 or later, the standard installer for Resilio Sync from [the company website](#) should work well for you.

1. Download the installer for Macs and locate it in the Downloads folder. Double click it, and drag the package to the Applications folder.
2. Use Finder to locate Resilio Sync in the Applications folder. You can drag it to the Dock if you want to. Double-click the icon in the Applications folder.

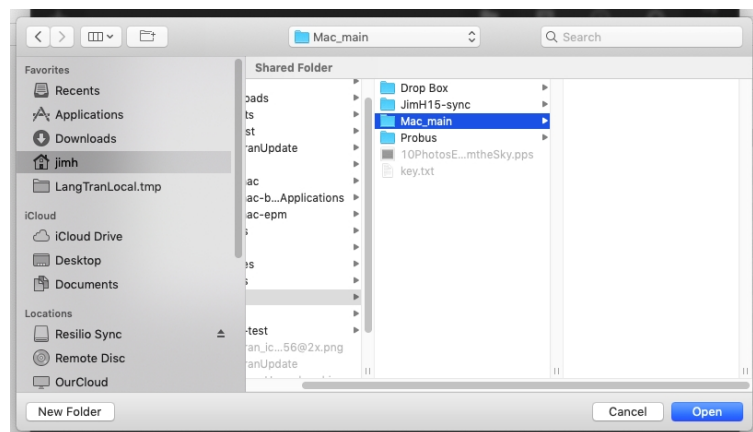
- When the program opens, click the plus icon to set up a new folder, and be sure to select the item at the bottom of the menu, *Enter a key or link*.

- In the next dialog, use *Command-V* to paste the key from the clipboard into the field for the key:



Then click *Next*.

- In the next dialog, explore to the folder you made before, such as *Mac_main*:



Then click *Open*, and the files should start syncing in from the *LangTran* server.

If you want to get training videos, or if you want your Mac to fetch installers for Linux, Windows or Android devices, for each folder you want to get, work through the steps in section 6 To get other folders:.

5.2.2 Organization or older Mac:

If you have an older Mac, or you are installing for an organisation and don't want to pay for Resilio Sync, download and install the older free version, [BTSync.dmg](#). I suggest you do not allow the software to update to a newer version.

The installer will ask you to specify the folder where you want the files to go. Browse to the folder that you made in section 4, such as *Mac_main* and select that folder. Click in the *Folder Secret* field, then hold down the *Command* key and type *V* to *Paste* the read-only key in and click *OK*.

If you want to add more keys to synchronise other folders to your Mac, repeat the same steps again for each one (browse to the folder, select it, paste the key and click *OK*). This procedure is described in section [6](#).

5.3 For a Linux computer:

If you are setting up the LangTran system for an individual, the standard installation of Resilio Sync through the software manager for your distribution should work well. For example, on a Wasta Linux, Mint or Ubuntu system, open the Synaptic Package Manager and search for resilio-sync. If it's not available that way, go to <https://www.resilio.com/platforms/desktop/>. You'll find an installation guide there, so open it in a new tab and work through it, following the steps in the section *INSTALLING FROM REPOSITORY* for your version of Linux.

If you are installing for an organisation, you will need to pay to use Resilio Sync, so you may prefer to use the older and free BitTorrent Sync. The developers of BTSync have not made a smooth installer for all versions of Linux, so please read on . . .

5.3.1 For Ubuntu and other systems that use .deb files

If you have a Linux system based on Ubuntu or other system that distributes software in *.deb* files, you will find it easier to set up BitTorrent Sync if you use a third-party installer, available at <http://deb.silvenga.com/>.

Hold down the *Ctrl* and *Alt* keys together, then tap *T* to open a terminal window. (If that doesn't open a Terminal window, use your Linux system's way of opening one, perhaps on the main menu or the Applications or System menu.) Unmaximize the web browser and arrange its window and the terminal window so that you can see them both at once.

In your browser, scroll down to the heading "Repository of Silvenga.com" and swipe across one of the *apt-key* commands in the web browser window and copy it to the clipboard, (ie. hold down the *Ctrl* key and tap *C*) then right-click in the Terminal window, type "sudo " as a separate word, right-click and select Paste. (Or *Ctrl-Shift-V* might do Paste.) The *apt-key* command will then be like this: `sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys 37F1A037FEF78709`

Tap the Enter key to run the command, then you'll need to type your login password.

Back in the browser, scroll down to the heading "Unofficial Btsync:"

Copy the *add-apt-repository* command to the clipboard, then in the terminal window, type "sudo " as before and paste the command and tap *Enter*.

Then copy this command to the clipboard and paste it into the terminal window

```
sudo apt-get install btsync-gui-gtk
```

(or whatever your system uses to install a package). Or you can use the package manager for your system (such as Synaptic Package Manager) and search for *btsync-gui*.

When you have installed BTSync, you should find an entry in the Internet section of the start menu. Click this to launch the program. And an icon should appear (after about 20 seconds) in the *notification area* to let you manage the program. On the *tab* called *Folders*, click the *Add* button, then paste the key into the *Secret* field. Then click the *Browse* button and navigate to the folder where you want the installers to appear, such as */home/jim/Downloads/LangTranLocal/Linux_main*.

5.3.2 For Fedora, OpenSUSE and systems using systemd

If you have a different version of Linux, which uses *systemd* for starting up the system, such as Fedora, OpenSUSE, and Debian, I suggest you install the GUI interface to BTSync. Go to <http://forum.bittorrent.com/topic/26521-btsync-installer-script-for-linux/>, read the page then open the link to the installation script. Select the text of the script and copy it to the clipboard, then save it into a text file in your Linux system, calling it *BTSync_Installer.sh* . Then work through the instructions again. This system provides a *front-end* to the BTSync client that is similar to that provided for Mac

and Windows computers.

When you have installed BTSync, you should find an entry in the menu to let you manage the program, using your web browser. Click the *Add Folder* button, then paste the key into the *Secret* field. Then type into the *Path* field the full path to the folder where you want the installers to appear, such as */home/jim/LangTranLocal/Linux_main*.

5.3.3 For other varieties of Linux

For other versions of Linux, use the link in section 5.1 above and choose the appropriate link for your kind of Linux.

5.4 For Network-attached storage (NAS)

If you want to set up a regional LangTran repository for language workers to access across the LAN, a good way to do it is to install a NAS device as your file server, and to run the appropriate BTSync client directly on the NAS device.

You can find instructions for running BTSync on several NAS devices at <https://help.getsync.com/hc/en-us/sections/201269725-Installing-Sync-on-NAS>

6 To get other folders:

If you want to get installers from other folders, such as 64-bit versions of Windows programs or videos about how to use various programs useful for language work, jump back up in this document using one of the following links, double-click the key for that folder and copy it to the clipboard and come back to this section in the document:

3.1 [Linux computers](#)

3.2 [Macintosh computers](#)

3.3 [Windows computers](#)

3.4 [Apps for Android devices](#)

3.5 [Coding conversion for Mexican languages](#), with any computer:

3.6 [Training videos in English](#) useful on more than one platform

3.7 [Training videos in other languages](#) useful on more than one platform

Make a new folder for the new files, such as */users/jim/Downloads/LangTranLocal/Win64*.

Open the BTSync client, and click the button to add a new sync folder. Paste the key in the *Secret* field and type the path to your new folder (or use the *Browse* button to explore to it).

So if you have followed my suggestions for folder names, you will then have two folders in your LangTran repository, something like this:

LangTranLocal/Win_main

(key: BOJ7A7R2Z5QUTIRTIFK2MTSD636SVJCZU)

LangTranLocal/Win64

(key: BLD4VBQSVHKH6KQM2TI4VHWMICXWTLJ4V)

You can synchronize from as many LangTran folders as you like, but each key must apply to its own folder on your computer. I would put them all inside the folder *LangTranLocal*, but you can put your local folders wherever you like.

7 How to make BitTorrent Sync run only at certain times

This is useful if you are running BitTorrent Sync on a server which you want to synchronize only during off-peak times – for instance, at night.

7.1 For a Windows computer:

Make two batch files, and save them to a suitable place on your server:

7.1.1 StartBTSync.bat

This launches the program – it needs just one line, including the quote characters:

for 32-bit Windows:

```
"C:\Program Files\BitTorrent Sync\BTSync.exe"
```

for 64-bit Windows

```
"C:\Program Files (x86)\BitTorrent Sync\BTSync.exe"
```

7.1.2 StopBTSync.bat

This stops the program, by killing the BTSync.exe process. It needs one line:

```
taskkill /IM Btsync.exe /F
```

Under *Control Panel > Scheduled Tasks*, set up two new tasks –
one to launch *StartBTSync.bat* when you want it to start synchronizing,
and one to launch *StopBTSync.bat* when you want it to stop synchronizing.

8 Troubleshooting

8.1 Sync stopped – time difference

If you see an error message:

Sync stopped: device time difference more than 600 seconds

it means that the timezone, daylight saving setting or clock time of your computer is incorrect. Make sure that these three settings are correct. Ask for help if you need to.

8.2 Archive using up too much space

As BitTorrent Sync is working and new versions of program installers come to your computer, the BTSync client will save the old versions within folders called *.SyncArchive*, one inside each folder that you sync from the LangTran server. That's the default behaviour, so that you can look back to earlier versions of files if you want to.

The BTSync client deletes the old versions of those files when they reach a certain age, as controlled by a variable called *sync_trash_ttl*. The default value is 30 days. If you want to reduce the amount of storage taken up by the old files, you can reduce that value, perhaps to 5. (There is an option called *Store deleted files in SyncArchive*. If you turn that option off for any folder, the deleted files will not be saved at all. I suggest you don't turn that option off, because sometimes a new release of a product contains an error, and you want to go back to the previous version. I think reducing the *sync_trash_ttl* value is a safer way of reducing the amount of space used by your local archive.)

If you want to reduce the number of days that the old files stay on your computer, here's how to do it:

8.2.1 On a Windows computer or on a Mac

While the BitTorrent Sync client is running, double-click its icon in the *notification area* at the

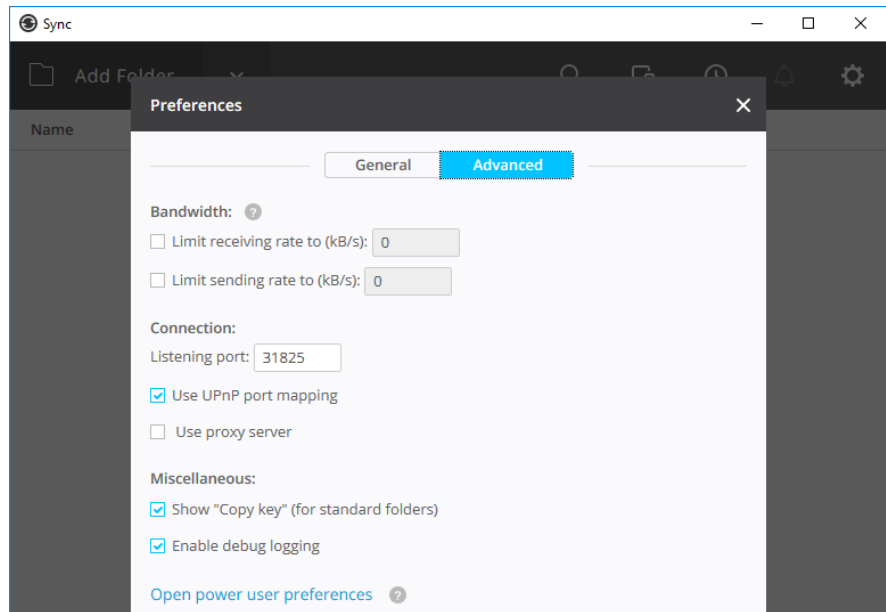
bottom-right of your screen. *This* will open the BTSync client window.

Click the wheel at the right side, and go to *Preferences*. Click the *Advanced* tab, and click *Open power user preferences*.

In the *Power user preferences* window, click the variable called *sync_trash_ttl*. and click *Edit*.

Type in the number of days you want the old files to stay on your computer.

Click *OK*, and then click the *X* button at the corner of the window.



8.3 On a Linux computer

The BitTorrent Sync developers have not made an easy way to set this variable on Linux systems. To do it, you would need to make a new configuration file and then add the variable setting and restart BTSync. I hope to describe how to do this in more detail in the future. If you would like to work on this, please email me at Owner_LangTran at sil dot org.

End of file 2 in BitTorrent Sync client setup documentation.