

Install TCL/TK di login user

Written by sdx

Friday, 23 November 2012 16:18 -

Installing Tcl

As you all know, Tcl ([official site](#) , [wiki page](#)) is needed to compile eggdrop so in this short tutorial I will show you how to install it locally to your shell.

General recommendation is to have the admin of the machine you have a shell on install Tcl for you, but if that is not possible, this tutorial might help you.

Let's get started!

Obtaining Tcl

Before doing anything else, we make sure that we are in our home directory, using the command:

```
cd
```

Next step of course is downloading Tcl! Recommended place for doing that is the [official web page](#) , or

their

[sourceforge page](#)

[S](#)

Easiest way to download directly to shell is using the command [wget](#) :

```
wget http://prdownloads.sourceforge.net/tcl/tcl8.5.11-src.tar.gz
```

You should see something like this appear on your screen:

```
username@shell:~$ wget http://prdownloads.sourceforge.net/tcl/tcl8.5.11-src.tar.gz  
--2008-11-16 06:28:25--
```

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<http://prdownloads.sourceforge.net/tcl/tcl8.5.11-src.tar.gz>

```
Resolving prdownloads.sourceforge.net... 216.34.181.60 Connecting to
prdownloads.sourceforge.net[216.34.181.60]:80... connected. HTTP request sent, awaiting
response... 302 Found Location:
```

<http://voxel.dl.sourceforge.net/sourceforge/tcl/tcl8.5.11-src.tar.gz>

```
[following] --2008-11-16 06:28:25--
```

<http://voxel.dl.sourceforge.net/sourceforge/tcl/tcl8.5.11-src.tar.gz>

```
Resolving voxel.dl.sourceforge.net... 208.122.28.3, 208.122.28.21, 208.122.28.2, ...
Connecting to voxel.dl.sourceforge.net[208.122.28.3]:80... connected. HTTP request sent,
awaiting response... 200 OK Length: 4405210 (4.2M) [application/x-gzip] Saving to:
`tcl8.5.11-src.tar.gz'
```

```
100%[=====>]
4,405,210  1.12M/s  in 3.8s   2008-11-16 06:28:29 (1.10 MB/s) - `tcl8.5.11-src.tar.gz' saved
[4405210/4405210]
```

Now that we have downloaded the sources we need to configure and compile them.

Installing

First of all, we need to unpack that archive we just downloaded. We can do that by typing

```
tar -xzf tcl8.5.11-src.tar.gz
```

You can include `v` in `-xfz` (e.g. `-zxvf`) if you want to see all the files that are being unpacked from the archive but it's unimportant to us.

You should now have a directory called **tcl8.5.11** along with that archive we downloaded. Next step is

```
cd tcl8.5.11
```

to enter that directory. When you are compiling things by hand like we are now, it's generally a good idea to read the README and/or INSTALL file(s) that come with the source. Reading the README file in this case tells us we need to enter subdirectory **unix**. Do that

```
cd unix
```

There is a README file inside that directory with detailed installation instructions but we'll keep it fast and simple.

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Next we need to run the configure script. As we are installing Tcl locally in our shell, we need to change the default installation directories. We do that by specifying the **--prefix** switch. So our next command will look something like:

```
./configure --prefix=$HOME/local
```

This will change the default installation directory to **local** inside our home directory. **\$HOME** is an environment variable containing the full path to your home directory. Alternatively you could have typed out the full path to your home directory (usually /home/username).

If the configure script executed without errors or warnings we can now proceed to **make**. In case the configure script reported errors or warnings I recommend you either google the error, ask in

[#tcl](#)

channel on any network or a help channel for your OS.

Next command will be

```
make
```

You will now see screen after screen of stuff that will mean absolutely nothing to you. But that's ok =) Just make sure there are no errors! Depending on the machine specifications it might take a while for the compile to finish.

If you get an error during this step similar to:

```
/usr/bin/ld: cannot find -ltcl85
```

Please issue the following command to fix it:

```
ln -s libtcl85.so.1 libtcl85.so
```

then proceed with **make**

After **make** ends we can proceed to **make install**. If you didn't specify the correct path when running configure or don't have write rights on that directory, 'make install' will fail! Now run

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```
make install
```

After that finishes you should be able change to the directory we installed Tcl to and see the following directories in **\$HOME/local/**

```
username@shell:~/local$ ls bin include lib man
```

To see if everything worked, you can issue the following command:

```
echo 'puts [info patchlevel]' | $HOME/local/bin/tclsh8.5
```

You should see:

```
8.5.11
```

Configuring eggdrop

After you have successfully installed Tcl you can proceed to compiling your eggdrop! Only things that differs from the usual compilation of eggdrop is that you need to include two switches when running the configure script. Your ./configure line should now look like:

```
./configure --with-tcllib=$HOME/local/lib/libtcl8.5.so --with-tclinc=$HOME/local/include/tcl.h
```

It is **important** that you include the **libtcl8.5.so** and **tcl.h** in the switch! Otherwise it **will not work** ! You can proceed as usual on the rest of installation.

Note: If u get an error like this when running **make**: *error while loading shared libraries: libtcl8.5.so: cannot open shared object file..*

Use this command if you use a bash shell: (you also may want to put this in your ~/.bashrc to enable it the next time you login)

```
export LD_LIBRARY_PATH=$HOME/local/lib:${LD_LIBRARY_PATH}
```

Use this command if you use a csh shell:

```
setenv LD_LIBRARY_PATH $HOME/local/lib:${LD_LIBRARY_PATH}
```

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You should also set the TCL_LIBRARY environment variable so the Tcl interpreter can find the init.tcl script

Use this command if you use a bash shell: (you also may want to put this in your ~/.bashrc to enable it the next time you login)

```
export TCL_LIBRARY=$HOME/local/lib/tcl8.5
```

Use this command if you use a csh shell:

```
setenv TCL_LIBRARY $HOME/local/lib/tcl8.5
```

Installing tcllib

If you don't know what [tcllib](#) is, you probably don't need it. For those that do, here's some simple instructions on how to install it locally.

First of all, make sure we are in our home directory:

```
cd
```

Get the files:

```
wget http://prdownloads.sourceforge.net/tcllib/tcllib-1.13.tar.gz
```

Next step is to unpack the file we just downloaded:

```
tar -zxf tcllib-1.13.tar.gz
```

Change into the directory:

```
cd tcllib-1.13
```

Run the configure script, telling it to install the files to the same place where we previously installed Tcl:

```
./configure --prefix=$HOME/local
```

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Install the files:

make install