

Installing the OPL – this is what I see

Firstly there are two “git clone” statements in the documentation; the first seems to be the more successful one: there should be no dot at the end.

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...maa.org/wiki/National_Problem_Library#.VCtt362RAjh

gets a command that is already installed on most Unix systems. If not there are standard simple instructions search.

Installing the OPL

Assuming the rest of WeBWoRK is in /opt/webwork/ proceed as follows to install the OPL. First, make sure you

```
mkdir -p /opt/webwork/libraries
```

The OPL can be downloaded from the OPL github.com repository directly into the library directory. It creates containing the library. The full path to the library will be /opt/webwork/libraries/webwork-open-problem address that should be included in webwork2/conf/localOverrides.conf.

```
cd /opt/webwork/libraries
sudo git clone https://github.com/openwebwork/webwork-open-problem-library.git
```

For backwards compatibility one can create symbolic links to:

```
ln -s /opt/webwork/libraries/webwork-open-problem-library/OpenProblemLibrary /opt/web
```

Copy the better version to the clipboard.

Obtaining the OPL

The Open Problem Library can be checked out from the WeBWoRK github repository via

```
cd /opt/webwork/libraries
sudo git clone https://github.com/openwebwork/webwork-open-problem-library.git
```

You may or may not need to use sudo depending on

Paste the command into the terminal

```
wwadmin@wwadmin-U56E: /opt/webwork/libraries
wwadmin@wwadmin-U56E:~$ cd /opt/webwork/libraries
wwadmin@wwadmin-U56E: /opt/webwork/libraries$ ls
wwadmin@wwadmin-U56E: /opt/webwork/libraries$
```

Obtaining the OPL

The Open Prob

```
cd /opt/webwork  
sudo git
```

You may or ma

Insure that the

```
wwadmin@wwadmin-U56E: /opt/webwork/libraries  
wwadmin@wwadmin-U56E:~$ cd /opt/webwork/libraries  
wwadmin@wwadmin-U56E:/opt/webwork/libraries$ ls  
wwadmin@wwadmin-U56E:/opt/webwork/libraries$ sudo git clone https://github.com/  
openwebwork/webwork-open-problem-library.git  
[sudo] password for wwadmin: █
```

We see a lot of stuff after this:

```
wwadmin@wwadmin-U56E: /opt/webwork/libraries  
wwadmin@wwadmin-U56E:~$ cd /opt/webwork/libraries  
wwadmin@wwadmin-U56E:/opt/webwork/libraries$ ls  
wwadmin@wwadmin-U56E:/opt/webwork/libraries$ sudo git clone https://github.com/  
openwebwork/webwork-open-problem-library.git  
[sudo] password for wwadmin:  
Cloning into 'webwork-open-problem-library'...  
remote: Counting objects: 234805, done.  
remote: Compressing objects: 100% (75/75), done.  
remote: Total 234805 (delta 46), reused 0 (delta 0)  
Receiving objects: 100% (234805/234805), 106.53 MiB | 225.00 KiB/s, done.  
Resolving deltas: 100% (178168/178168), done.  
Checking connectivity... done.  
Checking out files: 100% (41623/41623), done.  
wwadmin@wwadmin-U56E:/opt/webwork/libraries$ █
```

Next we need to run OPL-update which is found in /opt/webwork/webwork2/bin; some installations have their PATHs set up to automatically search this directory. I will just change my directory and then run the command; this should always work.

```
Resolving deltas: 100% (178168/178168), done.  
Checking connectivity... done.  
Checking out files: 100% (41623/41623), done.  
wwadmin@wwadmin-U56E:/opt/webwork/libraries$ cd /opt/webwork/webwork2/bin  
wwadmin@wwadmin-U56E:/opt/webwork/webwork2/bin$ ./OPL-update █
```

This is what I see:

```
wwadmin@wwadmin-U56E: /opt/webwork/webwork2/bin
24100 24200 24300 24400 24500 24600 24700 24800 24900 25000
25100 25200 25300 25400 25500 25600 25700 25800 25900 26000
26100 26200 26300 26400 26500 26600 26700 26800 26900 27000
27100 27200 27300 27400 27500 27600 27700 27800 27900 28000
28100 28200 28300 28400 28500 28600 28700 28800 28900 29000
29100 29200 29300 29400 29500 29600 29700 29800 29900 30000
30100 30200 30300 30400 30500 30600

Creating the Directory Tree
Wrote Library Directory Tree to /opt/webwork/webwork2/htdocs/DATA/library-direct
ory-tree.json
Building the subject-tree.  There are 26 subjects
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Wrote Library Subject Tree to /opt/webwork/webwork2/htdocs/DATA/library-subject-
tree.json
Building the Textbook Library Tree
There are 73 textbooks to process.
 1  2  3  4  5  6  7  8  9 10
11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70
71 72 73 74Wrote Library Textbook Tree to /opt/webwork/webwork2/htdocs/DATA/te
xtbook-tree.json

Done.
wwadmin@wwadmin-U56E: /opt/webwork/webwork2/bin$
```

You can repeat the process after deleting the library files:

