PoT

Process of Things

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Getting Started

This document will assume you have Linux installed, if you need help with that then ask the question in the group chat.

At this time we wont get into the security aspects of how to sent up services that run as none users. We are going to use your normal Linux login account you created when you install your Linux.

Please confirm that your running a 64Bit version of Linux this is not important for the programming per say, but it will be important for doing the cryptographic stuff later.

We recommend you use Kubuntu for this as it will be easier if your just starting at the same place.

Installing Perl

We are going to make sure you have everything you will need to get started.

Open up a terminal (KDE) Alt-F2 type konsole or Start → System → Konsole

(note : KDE you from Dolphin the file manage you can press F4 to open a Konsole where you are.)

on the prompt you should see it ending with a $ this means you are a normal user and not root.

To upgrade to root type

(Note the spaces do not type the $ or # at the beginning that should just indicate what you should see)

Type

```
$ sudo su -
```

It should then ask you for your password. After entering your password the prompt should become a # this means you are now root.

Just to make sure we have everything we need we are going add a couple of things.

Type

```
# apt-get update
```

This will update your package manager to make sure it has all the latest repositories

Type

```
# apt-get install curl libssl-dev libperl-dev build-essential git
```

it should ask you a question press 'y' to confirm

Type

```
# exit
```

Your prompt should become $

(**Important** : If you copy and paste the code make sure you delete the " and retype them in the shell as " will be incorrect)

```
$ curl -L http://install.perlbrew.pl | bash
```

```
$ echo "source ~/perl5/perlbrew/etc/bashrc" >> ~/.bashrc
```

```
$ exit
```

Your terminal should have closed now, so re-open your terminal to load the new configuration you just added.

```
$ perlbrew install -Duseshrplib -Dusethreads --64all perl-5.24.3
```

Ok this will take some time, so go grab a coffee, take a walk. If all goes well you should get a back to a prompt, if it complains about an error have a look at the log file and see what it says.

```
$ perlbrew switch perl-5.24.3
```

```
$ perl -v
```

This should say your now running perl 5, version 24, subversion 3 (v5.24.3)

Installing cpanm

Now we need to install the perl module manager, this will allow you to quickly and easily install perl modules.

```
$ curl -L https://cpanmin.us | perl – App::cpanminus
```

That was easy.

Installing Mojolicious

Now here is where it gets hard (Joking) Mojolicious is notoriously simple and lightweight and the development team have put a lot of effort to make sure it will install in less that 1 minute. You can time it if you like. One things you may not be aware about perl is its good practice to write tests for every part of your application Mojolicious is no acceptation to the this rule. So not only in this minute its installing the framework but its testing everything to make sure its working.

```
$ cpanm Mojolicious
```

Thats it Mojolicious is all setup and ready to go.

At the time of writing this document there is a nice beginners guide to Mojolicious in a Christmas spirit

https://mojolicious.io/