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## Kallithea

```
$ sudo apt-get install gcc
$ sudo useradd kallithea
$ sudo mkdir /opt/kallithea
$ sudo chown kallithea.kallithea /opt/kallithea/
$ sudo su - kallithea
$ mkdir /opt/kallithea/var
$ virtualenv --python=/usr/bin/python2.7 /opt/kallithea/
$ source /opt/kallithea/bin/activate
$ pip install --upgrade pip "setuptools<34"
$ pip install kallithea
$ cd /opt/kallithea
$ paster make-config Kallithea my.ini
$ paster setup-db my.ini --user=$USERNAME --password="$PASSWORD" --
host="$IPADDRESS" --email=$EMAIL@EMAIL.tk --repos=/home/semaphore
```

Configure the repository path to /opt/kallithea/var in the wizard, configure a admin username with password.

Configure HTTPS proxy editing my.ini, adding or uncommenting:

```
filter-with = proxy-prefix
[filter:proxy-prefix]
use = egg:PasteDeploy#prefix
prefix = /kallithea
```

Start Kallithea:

```
$ paster serve my.ini
```

Add file to /etc/apache2/sites-available/kallithea.conf:

```
<Location /kallithea >
  ProxyPass http://127.0.0.1:5000/kallithea
  ProxyPassReverse http://127.0.0.1:5000/kallithea
  SetEnvIf X-Url-Scheme https HTTPS=1
</Location>
```

Enable site and restart:

```
$ sudo a2ensite kallithea
$ sudo systemctl restart apache2
```

## Systemd

```
[Unit]
Description=Kallithea Virtualenv service
```

```
After=network.target
```

```
[Service]
User=kallithea
Group=kallithea
Environment=VIRTUAL_ENV=/opt/kallithea
Environment=PATH=$VIRTUAL_ENV/bin:$PATH
ExecStart=/bin/bash -c "cd /opt/kallithea; $VIRTUAL_ENV/bin/paster serve
my.ini"
Restart=always

[Install]
WantedBy=multi-user.target
```

## IPA LDAP integration

If you are using RHEL (sorry I have mixed environments):

```
$ sudo yum install openldap-devel
$ source /opt/kallithea/bin/activate
$ pip install python-ldap
$ pip install psycpg2
```

## References

- <http://kallithea.readthedocs.io/en/stable/setup.html#setup>

From:  
<https://www.estebanmonge.site/> - **Esteban Monge**

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Last update: **2018/01/30 10:03**

