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Caravel with virtualenv

This guide cover the installation of Caravel in Debian GNU/Linux with virtualenv for Python 3.4+.

```
sudo apt-get install build-essential libssl-dev libffi-dev python3-dev
python3-pip python3-virtualenv libsasl2-dev libldap2-dev virtualenv
```

```
useradd -d /opt/superset -s /bin/bash superset
mkdir /opt/superset
chown superset.superset /opt/superset
cd /opt
virtualenv --python=/usr/bin/python3.5 superset
cd /opt/superset
source bin/activate
pip install superset
pip install superset[cors]
superset db upgrade
superset load_examples
superset init
```

Manually start

```
cd /opt/superset/lib/python3.5/site-packages
nohup gunicorn --certfile=/opt/superset/fullchain.pem --
keyfile=/opt/superset/privkey.pem -b 10.6.30.150:8015 superset:app &
```

Upgrade

```
wget
https://raw.githubusercontent.com/apache/incubator-superset/master/requirements.txt
pip install -r requirements.txt
pip install superset --upgrade
superset db upgrade
superset init
```

Systemd

```
[Unit]
Description=Superset Virtualenv service
After=network.target

[Service]
User=superset
Group=superset
Environment=VIRTUAL_ENV=/opt/superset
```

```
Environment=PATH=$VIRTUAL_ENV/bin:$PATH
ExecStart=/bin/bash -c "cd /opt/superset/lib/python3.5/site-
packages;$VIRTUAL_ENV/bin/gunicorn --certfile=/opt/superset/fullchain.pem --
keyfile=/opt/superset/privkey.pem -b 10.6.30.150:8015 superset:app"
Restart=always
```

[Install]

WantedBy=multi-user.target

References

- <https://virtualenv.pypa.io/en/stable/development/>
- <http://airbnb.io/caravel/installation.html>

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