# Openstack Project Setup Guide

## Ubuntu

**Install Packages**

apt-get install mysql-server git python gcc

apt-get install python-pip redis-server python-dev

**Create openstack database**

systemctl restart mysql

systemctl enable mysql

mysql -u root //进入mysql

create database openstack

grant all privileges on openstack.\* to root@'localhost'

grant all privileges on openstack.\* to root@'%'

frush privileges;

**Enable redis**

systemctl restart redis

systemctl enable redis

redis-cli //进入Redis服务

redis-cli shutdown //关闭redis服务

Redis使用端口为6379

**create venv**

pip install virtualenv

virtualenv env1

cd env1

source bin/activate

**install required python library**

unpack openstackWebDeploy to env1/

cd openstackWebDeploy

pip install -r requirements.txt

cd openstack\_project

**create related table in db and set up config file**

rm -f openstack\_deployment/migrations/\*

python manage.py makemigrations openstack\_deployment

python manage.py migrate

python manage.py createsuperuser //create super user for database web admin page

vi openstack\_project/settings.py

ALLOWED\_HOSTS = ['\*']

#Loggint setting

"handlers": {

"handler\_http": {

"class": "logging.handlers.HTTPHandler",

"formatter": "format\_def",

"level": "INFO",

"host": "10.65.32.140:8000",

"url": "/openstack\_deployment/log/",

"method": "GET",

},

**Run server**

python manage.py runserver 0.0.0.0:8000

**access link**

<http://10.65.32.140:8000/admin/>

<http://10.65.32.140:8000/openstack_deployment/show/>

## Centos

**Install Packages**

yum install epel-release mariadb mariadb-server git python gcc

yum install python-pip redis python-devel MySQL-python mariadb-devel libffi-devel

**Create openstack database**

systemctl restart mariadb

systemctl enable mariadb

mysql -u root //进入mariadb

create database openstack

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grant all privileges on openstack.\* to root@'%'

frush privileges;

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systemctl enable redis

redis-cli //进入Redis服务

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