#Install mariadb server

sudo apt-get install mariadb-server python-mysqldb

#Enable repository for Openstack on Ubuntu

apt-get install ubuntu-cloud-keyring

echo "deb http://ubuntu-cloud.archive.canonical.com/ubuntu" \

"trusty-updates/kilo main" > /etc/apt/sources.list.d/cloudarchive-kilo.list

#Create a mysql configuration file for openstack

echo -e "[mysqld]\nbind-address = 10.0.0.11\ndefault-storage-engine = innodb\ninnodb\_file\_per\_table\

\ncollation-server = utf8\_general\_ci\ninit-connect = 'SET NAMES utf8'\ncharacter-set-server = utf8 " > /etc/mysql/conf.d/mysqld\_openstack.cnf

#Install Rabbit-MQ

apt-get install rabbitmq-server

#Set password and set permissions for RabbitMQ

rabbitmqctl add\_user openstack itdepends123

rabbitmqctl set\_permissions openstack ".\*" ".\*" ".\*"