**3.5 Mariadb Database Configuration**

**Step1**. install mariadb on controller:

Yum install mariadb mariadb-server MySQL-python (tip: you should mount centos 7.2 to cdrom)

**Step2.** Configurate /etc/my.cnf.d/mariadb\_openstack.cnf file

Vim /etc/my.cnf.d/mariadb\_openstack.cnf

**Step3.** Add the following text into this file:

[mysqld]

bind-address =10.0.0.11

default-storage-engine =innodb

innodb\_file\_per\_table

collation-server=utf8\_general\_ci

init-connect=’SET NAMES utf8’

character-set-server = utf8