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# Centos 6

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## 1 系统设置

- 修改系统字符集

```
echo 'LANG="en_GB.utf8"' > /etc/sysconfig/i18n
LANG="en_GB.utf8"
```

- 修改国内yum源

```
sudo mv /etc/yum.repos.d/CentOS-Base.repo /etc/yum.repos.d/CentOS-Base.repo.backup
sudo wget -O /etc/yum.repos.d/CentOS-Base.repo
http://mirrors.aliyun.com/repo/Centos-6.repo
```

## 2 安装python

1. 安装python相关依赖

```
sudo yum -y install openssl-devel readline-devel unzip
```

2. 下载python源码包（下载最新版本）

```
sudo wget https://www.python.org/ftp/python/3.6.2/Python-3.6.2.tgz
```

3. 编译安装python

```
tar -xzf Python-3.6.2.tgz
cd Python-3.6.2
sudo ./configure --prefix=/usr/local/python36
sudo make
sudo make install
```

4. 配置pip

```
sudo tee /etc/pip.conf <<- 'EOF'
[global]
index-url = http://pypi.douban.com/simple
trusted-host = pypi.douban.com
[list]
format=columns
EOF
```

#### 5. 安装virtualenv

```
sudo /usr/local/python36/bin/pip3 install virtualenv
```

## 3. 安装django

#### 1. 初始化env环境

```
mkdir ~/reboot
/usr/local/python36/bin/virtualenv ~/reboot/env
```

#### 2. django 版本的选择

Django version	Python versions
1.8	2.7, 3.2 (until the end of 2016), 3.3, 3.4, 3.5
1.9, 1.10	2.7, 3.4, 3.5
1.11	2.7, 3.4, 3.5, 3.6
2.0	3.5+

#### 3. 安装django 1.11

```
source ~/reboot/env/bin/activate
pip install "django>=1.11"
pip install ipython
```

#### 4. 安装python的mysql扩展

详见如下的mysql安装

## 4 安装数据库

建议安装MySQL5.6 centos6 默认安装mysql是5.1 不是很稳定 性能也没有MySQL5.6好

下载rpm源及安装

```
sudo rpm -ivh http://dev.mysql.com/get/mysql-community-release-el6-5.noarch.rpm
sudo yum install -y mysql mysql-server mysql-devel zlib-devel
source ~/reboot/env/bin/activate
pip install pymysql
```

### 修改配置

```
[mysqld]
default-storage-engine = innodb
innodb_file_per_table
collation-server = utf8_general_ci
init-connect = 'SET NAMES utf8'
character-set-server = utf8
```

### 起动服务

```
sudo service mysqld start
```

mysql的安全设置，并设置root密码为123456

```
mysql_secure_installation
```

### 创建数据库

```
mysql -uroot -p123456 -e "create database django CHARACTER SET utf8;"
```

## 5 配置vim

```
sudo yum -y install vim
```

```
set tabstop=4
set shiftwidth=4
set softtabstop=4
set expandtab
set fileformat=unix
set nobomb
set ff=unix
set ambiwidth=double
set fileencodings=utf-8,ucs-bom,cp936
syntax on
filetype plugin on
set nocompatible
set completeopt=preview
set ai
set hls
set nu
```