

Installation of packages for PHP,Redis Server and Java with dependent packages

1.Redis server v.3.0.7:

1.1 To enter into root user:

sudo su

1.2.To update the yum:

Sudo yum update

When asked type y as shown below:

Is this ok [y/d/N]: y

1.3.This is to add the EPEL repository and update YUM to confirm your change

sudo yum install epel-release

When asked type y as shown below:

Is this ok [y/d/N]: y

Sudo yum update

When asked type y as shown below:

Is this ok [y/d/N]: y

1.4.Install Redis:

sudo yum install redis

Is this ok [y/d/N]: y

Is this ok [y/N]: y

After installation is complete you will see something like this.

Installed:

redis.x86_64 0:3.2.10-2.el7

Dependency Installed:

jemalloc.x86_64 0:3.6.0-1.el7

1.5.To start Redis

sudo systemctl start redis

To enable starting redis on:

sudo systemctl enable redis

Verify that Redis is running with **redis-cli ping**

If Redis is running, it will return:

PONG

1.6.Persistence Options:

Vi /etc/redis.conf

appendonly yes

appendfsync everysec

1.7.This is to improve the performance of redis server:

vi /etc/sysctl.conf

vm.overcommit_memory=1

2.JAVA Version 1.7.0:

Installing java:

sudo yum install java-1.7.0-openjdk

Is this ok [y/d/N]: y

sudo yum install java-1.7.0-openjdk-devel

Is this ok [y/d/N]: y

3..PHP 5.4.45:

3.1.For CentOS 7 (including EPEL install)

Wget http://dl.fedoraproject.org/pub/epel/7/x86_64/e/epel-release-7-5.noarch.rpm

wget <http://rpms.famillecollet.com/enterprise/remi-release-7.rpm>

rpm -Uvh remi-release-7*.rpm epel-release-7*.rpm

If you already have EPEL installed:

```
wget http://rpms.famillecollet.com/enterprise/remi-release-7.rpm  
rpm -Uvh remi-release-7*.rpm
```

For CentOS 6 (including EPEL install)

```
wget http://dl.fedoraproject.org/pub/epel/6/i386/epel-release-6-8.noarch.rpm  
wget http://rpms.famillecollet.com/enterprise/remi-release-6.rpm  
rpm -Uvh remi-release-6*.rpm epel-release-6*.rpm
```

If you already have EPEL installed:

```
wget http://rpms.famillecollet.com/enterprise/remi-release-6.rpm  
rpm -Uvh remi-release-6*.rpm
```

3.2 Enabling the Repo:

3.2.1 cd /etc/yum.repos.d

3.2.2 ls(will show the files inside the directory,remi.repo will be available)

3.2.3 Open the file remi.repo with vi editor

vi remi.repo

Enter i to enter into insert mode.

```
[remi]  
name=Les RPM de remi pour Enterprise Linux 6 - $basearch  
#baseurl=http://rpms.famillecollet.com/enterprise/6/remi/$basearch/  
mirrorlist=http://rpms.famillecollet.com/enterprise/6/remi/mirror  
enabled=1  
gpgcheck=1  
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-remi
```

Change the enabled to 1. After changing press escape and type :wq to save the file.

3.3.Installing PHP 5.4.45:

```
sudo yum install php php-gd php-mysql php-mcrypt
```

Is this ok [y/d/N]: y

Is this ok [y/N]: y

4.OpenSSL:

4.1 Download the openssl from the the source:

```
wget https://www.openssl.org/source/openssl-1.1.1-pre8.tar.gz
```

4.2 Unzip the tar.gz file:

```
tar -xvzf openssl-1.1.1-pre8.tar.gz
```

4.3:Change directory and enter into the unzipped folder:

```
cd openssl-1.1.1-pre8
```

4.4 ./config

4.5 yum install make

5.Zip:

```
yum install zip unzip
```

Is this ok [y/d/N]: y

6.Zlib:

```
yum install zlib-devel
```

Is this ok [y/d/N]: y

7.SNMP:

```
yum install net-snmp net-snmp-utils
```

Is this ok [y/d/N]: y

