

安装hadoop

参考:

<https://www.edureka.co/blog/install-hadoop-single-node-hadoop-cluster>

<https://www.linode.com/docs/databases/hadoop/how-to-install-and-set-up-hadoop-cluster/>

<https://medium.com/@anmol.ganju81/configuring-hadoop-on-linux-rhel-7-cent-os-fedora-23-machine-3dc8caf57ec9>

https://www.cloudera.com/documentation/enterprise/5-11-x/topics/cdh_ig_cdh5_install.html

1. install java

For 64 Bit Systems:-

```
# cd /opt/
```

```
# wget --no-cookies --no-check-certificate --header "Cookie: gpw_e24=http%3A%2F%2Fwww.oracle.com%2F; oraclelicense=accept-securebackup-cookie" "http://download.oracle.com/otn-pub/java/jdk/8u121-b13/e9e7ea248e2c4826b92b3f075a80e441/jdk-8u121-linux-x64.tar.gz"
```

```
# tar xzf jdk-8u121-linux-x64.tar.gz
```

2. set up hostname

```
vi /etc/hosts
```

3. configure a user

```
useradd -d /opt/hadoop hadoop : this will create a hadoop home directory as /opt/hadoop
```

```
passwd hadoop
```

4. install hadoop

```
curl -O http://apache.javapipeline.com/hadoop/common/hadoop-2.7.2/hadoop-2.7.2.tar.gz : download hadoop 2.7.2
```

```
tar -xzf hadoop-2.7.2.tar.gz
```

```
cp -rf hadoop-2.7.2/* /opt/hadoop/
```

```
chown -R hadoop:hadoop /opt/hadoop/
```

```
su - hadoop
```

```
vi .bash_profile
```

Append these lines:-

```
## JAVA env variables
```

```
export JAVA_HOME=/opt/jdk1.8.0_121
```

```
export PATH=$PATH:$JAVA_HOME/bin
```

```
export CLASSPATH=.:$JAVA_HOME/jre/lib:$JAVA_HOME/lib:$JAVA_HOME/lib/tools.jar
```

```
## HADOOP env variables
```

```
export HADOOP_HOME=/opt/hadoop
```

```
export HADOOP_COMMON_HOME=$HADOOP_HOME
```

```
export HADOOP_HDFS_HOME=$HADOOP_HOME
```

```
export HADOOP_MAPRED_HOME=$HADOOP_HOME
```

```
export HADOOP_YARN_HOME=$HADOOP_HOME
```

```
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"
```

```
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
```

```
export PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin
```

```
source .bash_profile
```

```
echo $HADOOP_HOME
```

```
echo $JAVA_HOME
```

