admin1@admin1-Lenovo-S510:~\$ cd Downloads admin1@admin1-Lenovo-S510:~/Downloads\$ chmod 400 centos7.pem admin1@admin1-Lenovo-S510:~/Downloads\$ ssh -i "centos7.pem" centos@ec2-44-206-250-247.compute-1.amazonaws.com The authenticity of host 'ec2-44-206-250-247.compute-1.amazonaws.com (44.206.250.247)' can't be established. ECDSA key fingerprint is SHA256:yXHbAr+hApxJ49V7THmud+E 7hGUsPwlS5KCmJpS8IbI. Are you sure you want to continue connecting (yes/no)? yes	[centos@ip-172-31-86-192 ~]\$sudo vi /etc/profile  (Add below 2 lines at end)  export  JAVA_HOME=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.362.b08-1.el7_9.x86_64/jre  export  PATH=\$JAVA_HOME/bin:\$PATH  ctr+x> y> enter (save and exit)  \$source /etc/profile (to execute the changes) \$echo \$JAVA_HOME
Warning: Permanently added 'ec2-44-206-250-247.compute-1.amazonaws.com,44.206.250.247' (ECDSA) to the list of known hosts.  1. Java Installation:	2. Passwordless communication ssh-keygen cd .ssh/ cat id_rsa.pub >>authorized_keys ssh localhost
[centos@ip-172-31-86-192 ~]\$sudo yum install java-1.8.0-openjdk-devel [centos@ip-172-31-86-192 ~]\$java -version openjdk version "1.8.0_312"  OpenJDK Runtime Environment (build 1.8.0_312-b07)  OpenJDK 64-Bit Server VM (build 25.312-b07, mixed mode)	3. Download And Extract Hadoop  wget https://archive.apache.org/dist/hadoop/core/ hadoop-1.2.1/hadoop-1.2.1.tar.gz  tar -xf hadoop-1.2.1.tar.gz sudo mv hadoop-1.2.1 /usr/local/hadoop
[centos@ip-172-31-86-192 ~]\$ readlink -f \$(which java) /usr/lib/jvm/java-1.8.0-openjdk- 1.8.0.362.b08-1.el7_9.x86_64/jre/bin/java	4.Update bashrc file  [centos@ip-172-31-86-192 ~]\$ sudo vi .bashrc

(add following at the end of .bashrc file)	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
export HADOOP_PREFIX=/usr/local/hadoop/	<name>fs.default.name</name>
export PATH=\$PATH:\$HADOOP_PREFIX/bin	<value>hdfs://localhost:9000</value>
export JAVA_HOME=/ usr/lib/jvm/java-1.8.0-openjdk-1.8.0.362.b08- 1.el7_9.x86_64/jre export PATH=\$PATH:\$JAVA_HOME/bin	
ctr+x> y> enter (save and exit)	<name>hadoop.tmp.dir</name>
exec bash or bash (to execute bashrc file)	<value>/usr/local/hadoop/tmp</value>
5.Update hadoop-env.sh	
5.0 puate Hadoop-env.sh	
	#create "tmp" directory
[centos@ip-172-31-86-192 ~]\$cd /usr/local/hadoop/	[centos@ip-172-31-86-192 ~]\$ mkdir -p /usr/local/hadoop/tmp
[centos@ip-172-31-86-192 hadoop]\$cd conf/	
[centos@ip-172-31-86-192 conf]\$sudo vi hadoop-env.sh	7.Configure Datanode
(Add following 2 lines)  export JAVA_HOME= /usr/lib/jvm/java-1.8.0-openjdk- 1.8.0.362.b08-1.el7_9.x86_64/jre export HADOOP_OPTS=- Djava.net.preferIPV4Stack=true	#hdfs-site.xml
	[centos@ip-172-31-86-192 ~]\$cd /usr/local/hadoop/
	[centos@ip-172-31-86-192 hadoop]\$cd conf/
	[centos@ip-172-31-86-192 conf]\$sudo vi hdfs-site.xml
	<configuration></configuration>
6.Namenode configure #core-site.xml	<pre><pre><pre><pre>property&gt;</pre></pre></pre></pre>
[centos@ip-172-31-86-192 ~]\$cd	<name>dfs.replication</name>
/usr/local/hadoop/	<value>1</value>
[centos@ip-172-31-86-192 hadoop]\$cd conf/	
[centos@ip-172-31-86-192 conf]\$sudo vi core-site.xml	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
<configuration></configuration>	<name>dfs.permissions</name>

## <value>false</value>

	<name>mapred.job.tracker</name>
	<value>hdfs://localhost:9001</value>
8.Configiure Jobtracker/Map-Reduce	
#mapred-site.xml	
[centos@ip-172-31-86-192 ~]\$cd /usr/local/hadoop/	9.exec bash
[centos@ip-172-31-86-192 hadoop]\$cd conf/	10.hadoop namenode -format
[centos@ip-172-31-86-192 conf]\$sudo vi	11.start-dfs.sh
mapred-site.xml	12.start-mapred.sh
<configuration></configuration>	#### start-all.sh (alternate to step 12 & 13)
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	13.jps

## **OUTPUT**

















