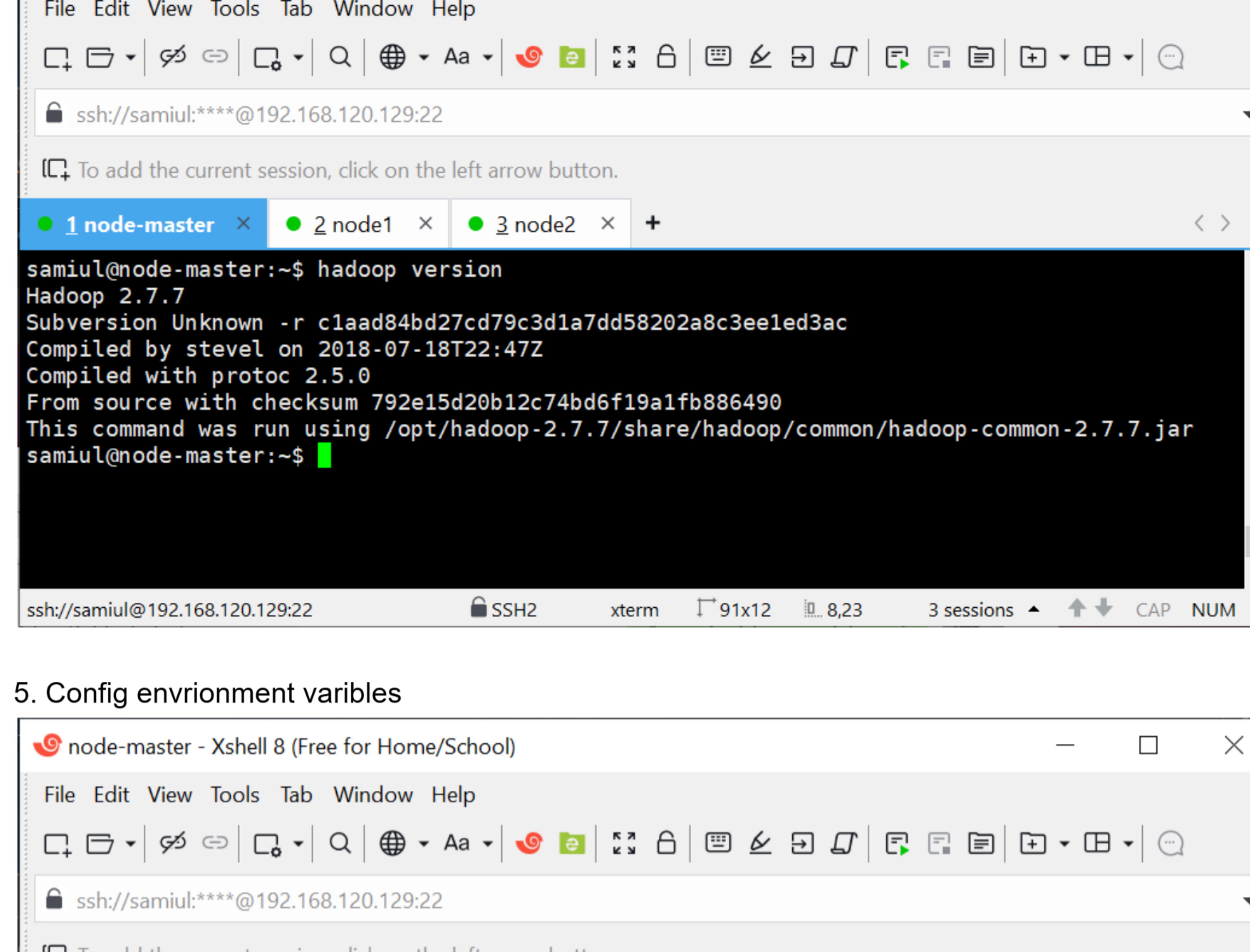


1, 2, 3, 4. Install hadoop



```
samiul@node-master:~$ hadoop version
Hadoop 2.7.7
Subversion Unknown -r claa84bd27cd79c3d1a7dd58202a8c3ee1ed3ac
Compiled by stevel on 2018-07-18T22:47Z
Compiled with protoc 2.5.0
From source with checksum 792e15d20b12c74bd6f19a1fb886490
This command was run using /opt/hadoop-2.7.7/share/hadoop/common/hadoop-common-2.7.7.jar
```

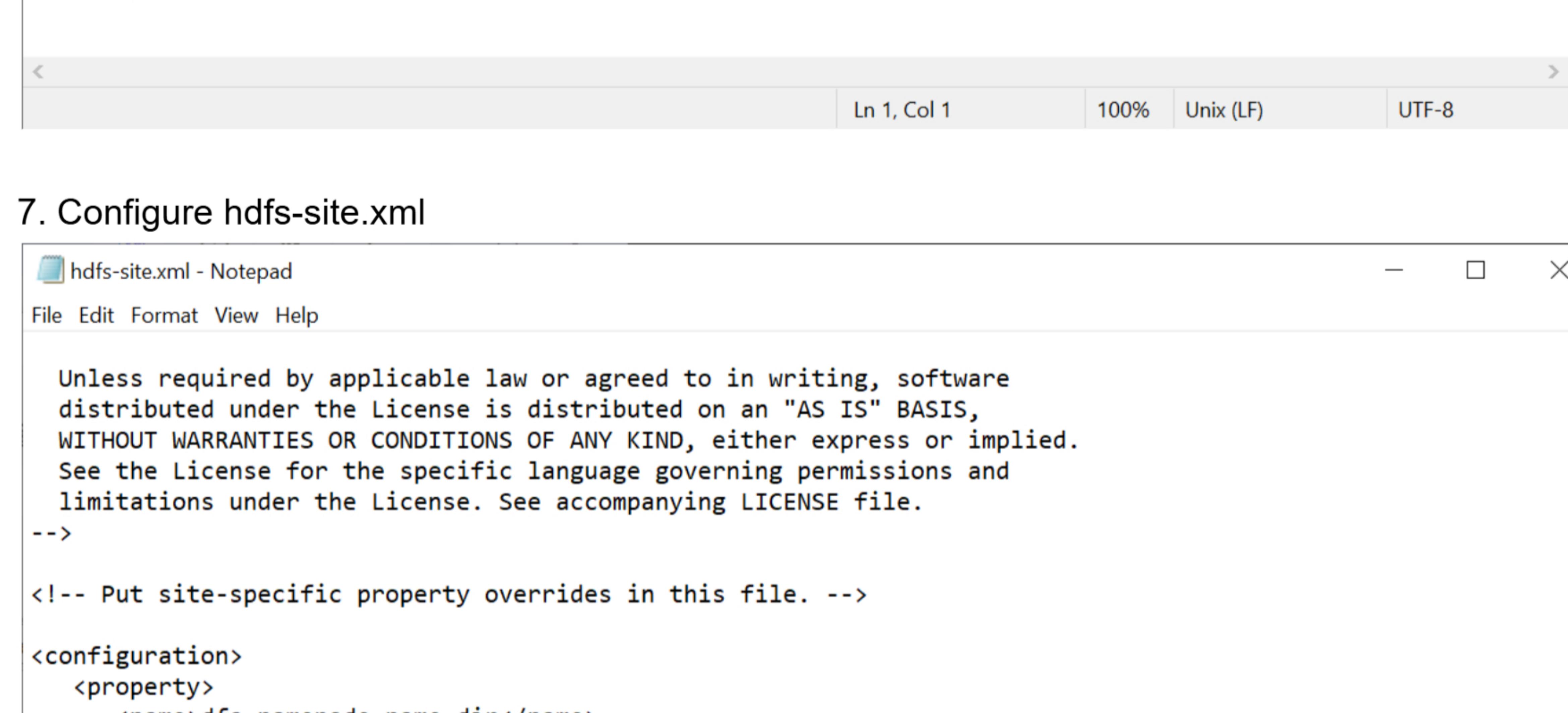
5. Config environment variables



```
samiul@node-master:~$ cat ~.bash_profile
export JAVA_HOME=/opt/jdk1.8.0_311
export PATH=$JAVA_HOME/bin:$PATH

export HADOOP_HOME=/opt/hadoop-2.7.7
export PATH=$HADOOP_HOME/bin:$HADOOP_HOME/sbin:$PATH
samiul@node-master:~$
```

6. Configure core-site.xml



```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
  Licensed under the Apache License, Version 2.0 (the "License");
  you may not use this file except in compliance with the License.
  You may obtain a copy of the License at

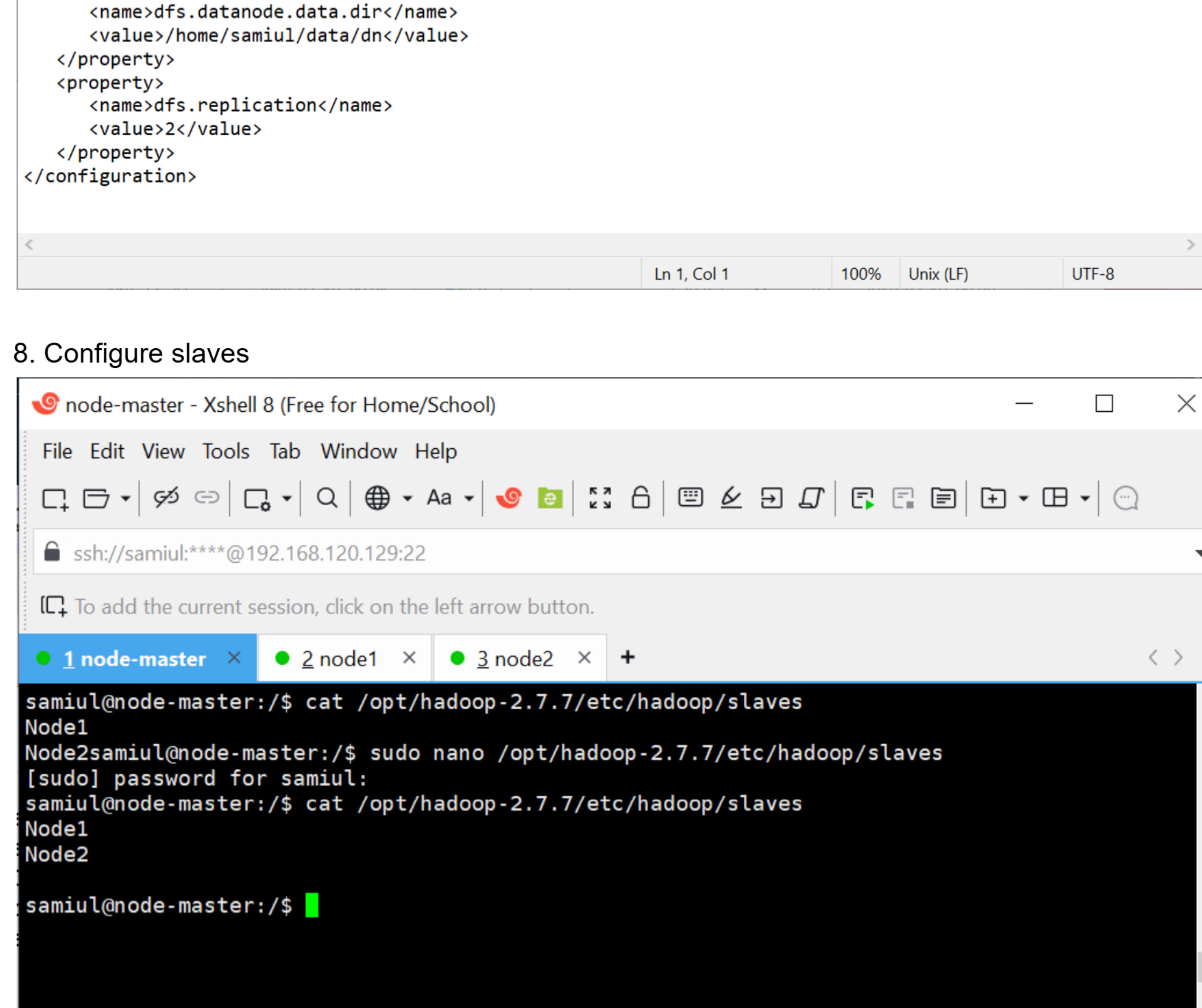
      http://www.apache.org/licenses/LICENSE-2.0

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  distributed under the License is distributed on an "AS IS" BASIS,
  WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  See the License for the specific language governing permissions and
  limitations under the License. See accompanying LICENSE file.
-->

<!-- Put site-specific property overrides in this file. -->

<configuration>
  <property>
    <name>fs.defaultFS</name>
    <value>hdfs://node-master:9000</value>
  </property>
</configuration>
```

7. Configure hdfs-site.xml



```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
  Licensed under the Apache License, Version 2.0 (the "License");
  you may not use this file except in compliance with the License.
  You may obtain a copy of the License at

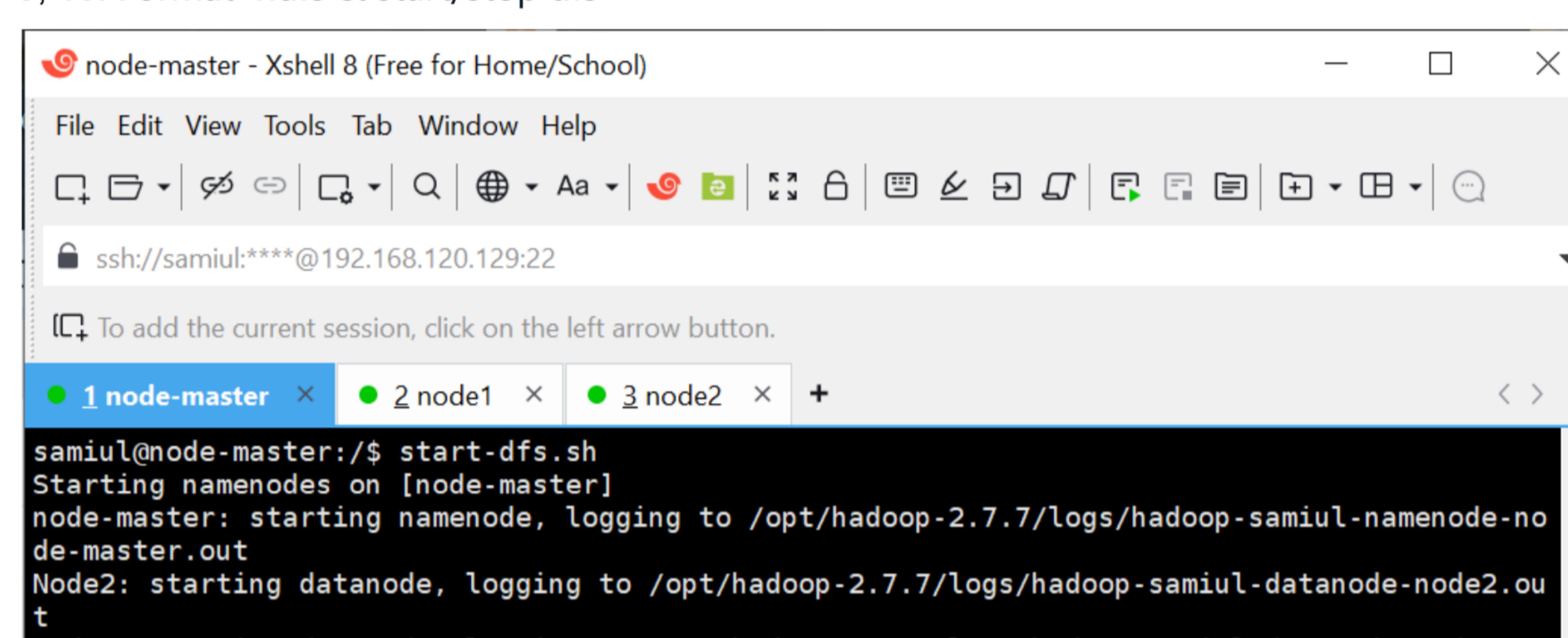
      http://www.apache.org/licenses/LICENSE-2.0

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  distributed under the License is distributed on an "AS IS" BASIS,
  WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  See the License for the specific language governing permissions and
  limitations under the License. See accompanying LICENSE file.
-->

<!-- Put site-specific property overrides in this file. -->

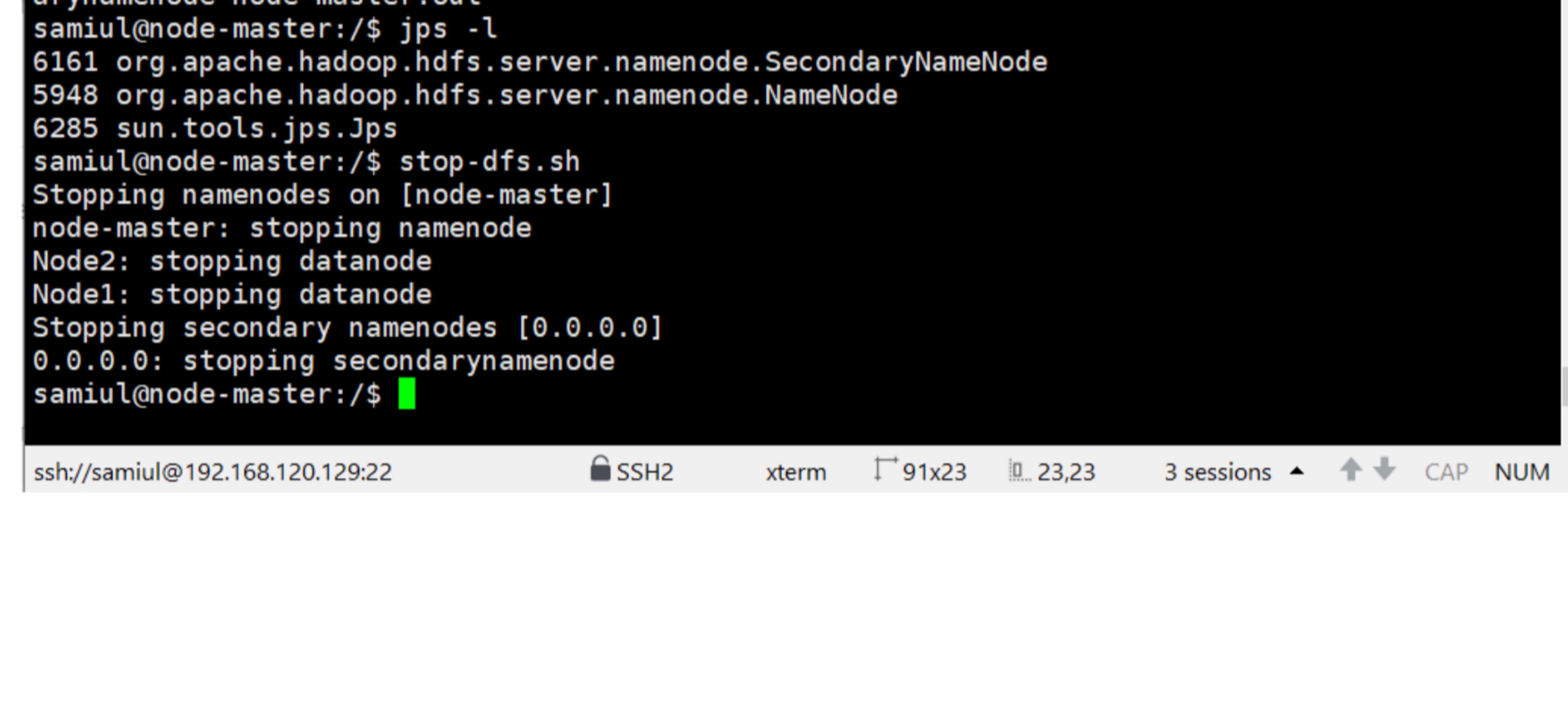
<configuration>
  <property>
    <name>dfs.namenode.name.dir</name>
    <value>/home/samiul/data/nn</value>
  </property>
  <property>
    <name>dfs.datanode.data.dir</name>
    <value>/home/samiul/data/dn</value>
  </property>
  <property>
    <name>dfs.replication</name>
    <value>2</value>
  </property>
</configuration>
```

8. Configure slaves



```
samiul@node-master:~$ cat /opt/hadoop-2.7.7/etc/hadoop/slaves
Node1
Node2
samiul@node-master:~$ sudo nano /opt/hadoop-2.7.7/etc/hadoop/slaves
[sudo] password for samiul:
samiul@node-master:~$ cat /opt/hadoop-2.7.7/etc/hadoop/slaves
Node1
Node2
```

9, 10. Format hdfs & start/stop dfs



```
samiul@node-master:~$ start-dfs.sh
Starting namenodes on [node-master]
node-master: starting namenode, logging to /opt/hadoop-2.7.7/logs/hadoop-samiul-namenode-node-master.out
Node2: starting datanode, logging to /opt/hadoop-2.7.7/logs/hadoop-samiul-datanode-node2.out
Node1: starting datanode, logging to /opt/hadoop-2.7.7/logs/hadoop-samiul-datanode-node1.out
Starting secondary namenodes [node-master]
samiul@node-master:~$ jps -l
5948 org.apache.hadoop.hdfs.server.namenode.SecondaryNameNode
6285 sun.tools.jps.Jps
samiul@node-master:~$ stop-dfs.sh
Node2: stopping namenode
Node2: stopping datanode
Node1: stopping secondary namenode
5948: stopping secondarynamenode
samiul@node-master:~$
```