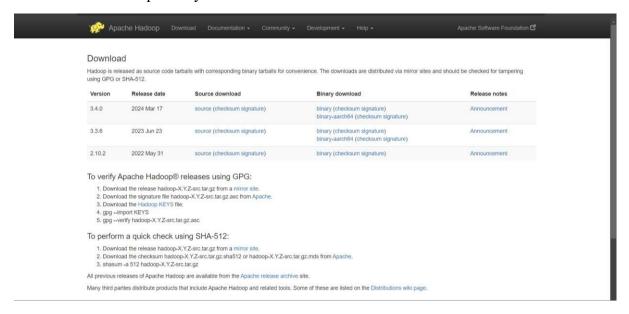
#### **Exp. No: 1**

# **Installation of Hadoop**

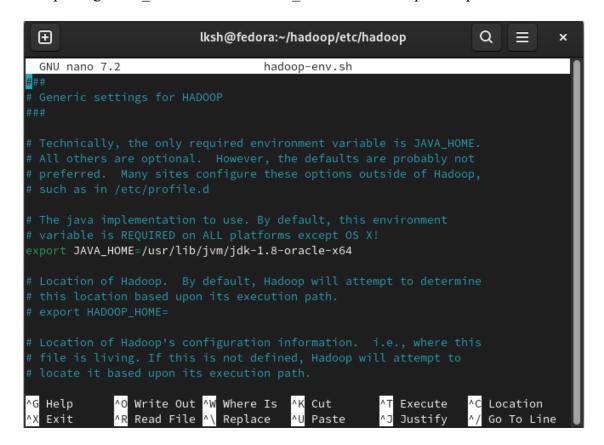
1. Download Hadoop Binary file



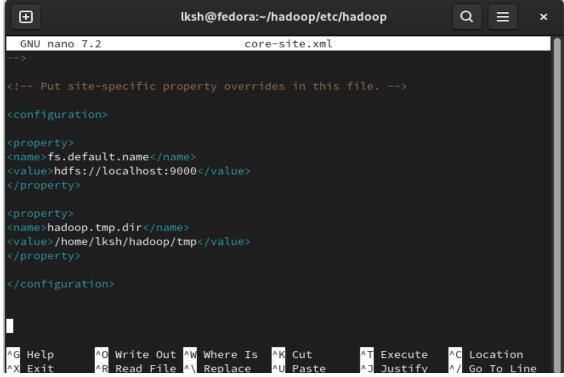
2. Modifying .bashrc file

```
⊞
                              lksh@fedora:~ — nano .bashrc
                                                                        Q
                                                                                     ×
 GNU nano 7.2
                                         .bashrc
            . "$rc"
export JAVA_HOME=/usr/lib/jvm/jdk-1.8-oracle-x64
export PATH=$PATH:/usr/lib/jvm/jdk-1.8-oracle-x64/bin
export HADOOP_HOME=~/hadoop
                                /bin
export PATH=
export PATH=
                                /sbin
export HADOOP_MAPRED_HOME:
export YARN_HOME=$
                                 HOME/etc/hadoop
export HADOOP_CONF_DIR=$
export HADOOP_COMMON_LIB_NATIVE_DIR=$HAD
                                                   /lib/native
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"
export HADOOP_STREAMING=$HADOOP_HOME/share/hadoop/tools/lib/hadoop-streaming-3.>
export HADOOP_LOG_DIR=$HADOOP_HOME/logs
export PDSH_RCMD_TYPE=ssh
              ^O Write Out ^W Where Is
  Help
                                           'K Cut
                                                           Execute
                                                                         Location
                           ^\ Replace
```

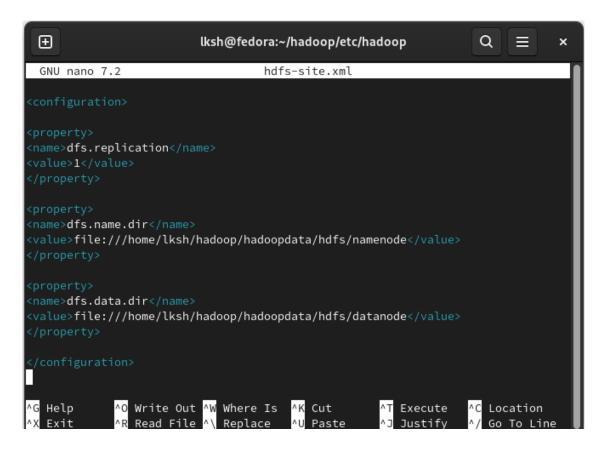
3. Updating JAVA HOME in \$HADOOP HOME/etc/hadoop/hadoop-env.sh



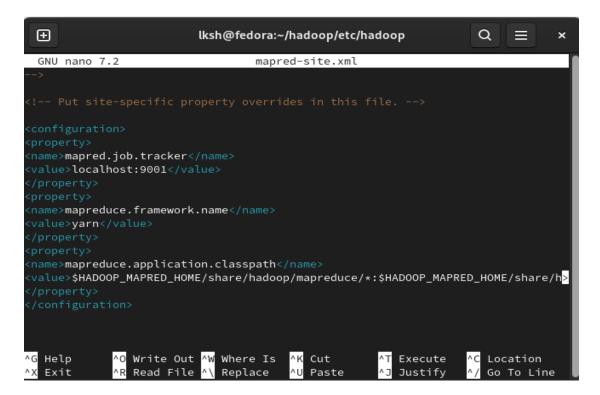
4. Modifying \$HADOOP\_HOME/etc/hadoop/core-site.xml



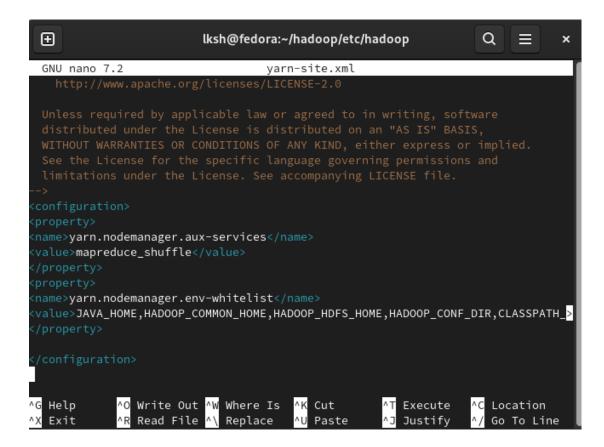
5. Modifying \$HADOOP\_HOME/etc/hadoop/hdfs-site.xml



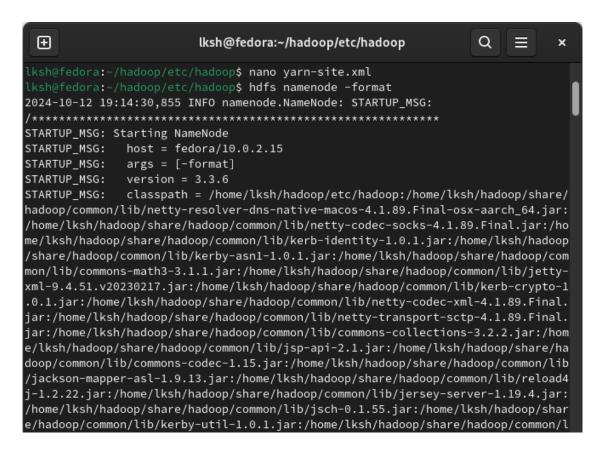
6. Modifying \$HADOOP\_HOME/etc/hadoop/mapred-site.xml

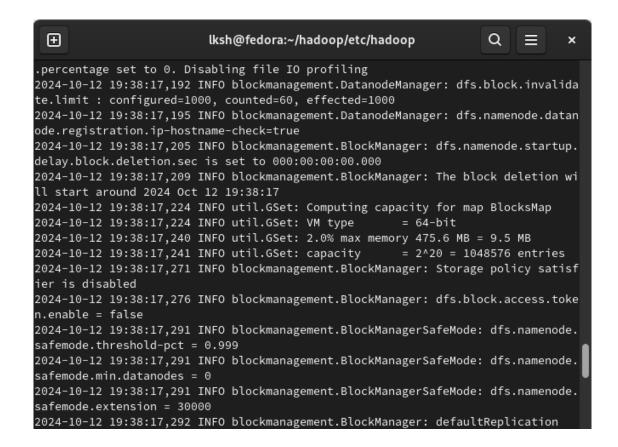


7. Modifying \$HADOOP HOME/etc/hadoop/yarn-site.xml



#### 8. Execute hdfs namenode -format





#### 9. Execute start-dfs.sh

```
lksh@fedora:~/hadoop/etc/hadoop$ start-dfs.sh
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [fedora]
```

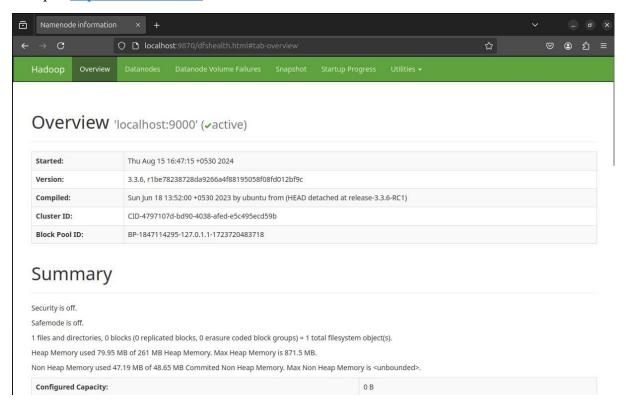
#### 10. Execute start-yarn.sh

```
lksh@fedora:~/hadoop/etc/hadoop$ start-yarn.sh
Starting resourcemanager
Starting nodemanagers
```

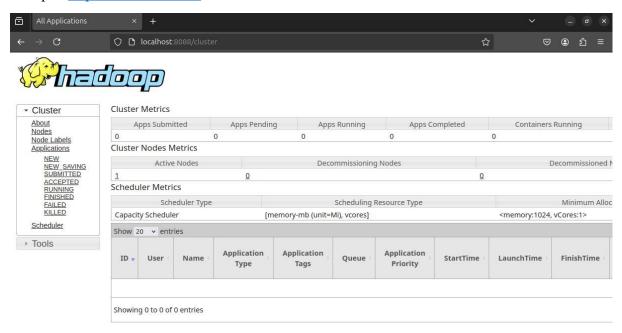
### 11. Execute jps command

```
lksh@fedora:~/hadoop/etc/hadoop$ jps
3490 DataNode
4163 NodeManager
4599 Jps
3321 NameNode
4027 ResourceManager
3695 SecondaryNameNode
```

## 12. Open <a href="http://localhost:9870">http://localhost:9870</a>



### 13. Open <a href="http://localhost:8088">http://localhost:8088</a>



## 14. Open <a href="http://localhost:8042">http://localhost:8042</a>

