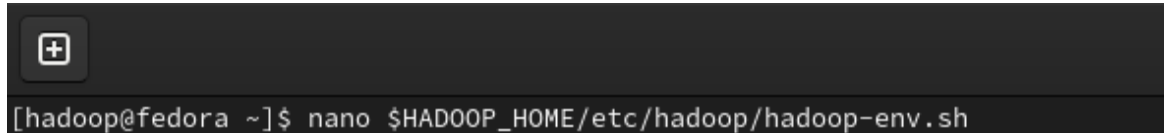


Exp No: 1 Downloading and installing Hadoop, Understanding different Hadoop modes, Startup scripts, Configuration files.

\$ nano ~/.bashrc

\$ nano \$HADOOP_HOME/etc/hadoop/hadoop-env.sh

A terminal window with a dark background. At the top left is a square icon with a white plus sign. Below it, the prompt is [hadoop@fedora ~]\$ and the command nano \$HADOOP_HOME/etc/hadoop/hadoop-env.sh is entered.

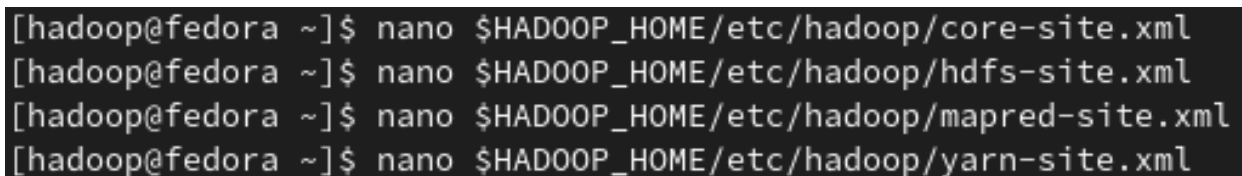
```
[hadoop@fedora ~]$ nano $HADOOP_HOME/etc/hadoop/hadoop-env.sh
```

\$nano \$HADOOP_HOME/etc/hadoop/core-site.xml

\$nano \$HADOOP_HOME/etc/hadoop/hdfs-site.xml

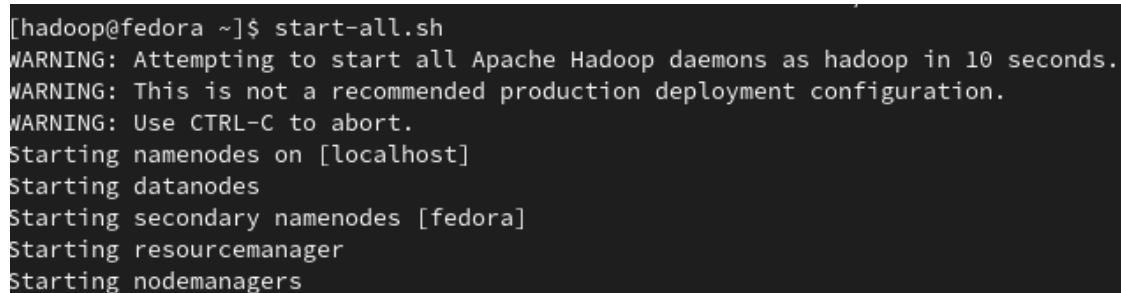
\$nano \$HADOOP_HOME/etc/hadoop/mapred-site.xml

\$nano \$HADOOP_HOME/etc/hadoop/yarn-site.xml

A terminal window with a dark background showing four consecutive commands to edit Hadoop configuration files using the nano editor.

```
[hadoop@fedora ~]$ nano $HADOOP_HOME/etc/hadoop/core-site.xml
[hadoop@fedora ~]$ nano $HADOOP_HOME/etc/hadoop/hdfs-site.xml
[hadoop@fedora ~]$ nano $HADOOP_HOME/etc/hadoop/mapred-site.xml
[hadoop@fedora ~]$ nano $HADOOP_HOME/etc/hadoop/yarn-site.xml
```

\$ start-all.sh

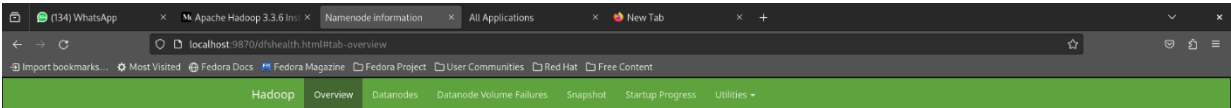
A terminal window with a dark background showing the output of the start-all.sh script. It includes several warning messages and status reports for starting Hadoop daemons.

```
[hadoop@fedora ~]$ start-all.sh
WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.
WARNING: This is not a recommended production deployment configuration.
WARNING: Use CTRL-C to abort.
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [fedora]
Starting resourcemanager
Starting nodemanagers
```

\$ jps

```
[hadoop@fedora ~]$ jps
15953 Jps
15507 NodeManager
14774 DataNode
15032 SecondaryNameNode
14607 NameNode
15375 ResourceManager
[hadoop@fedora ~]$
```

localhost:9000



Overview 'localhost:9000' (✓active)

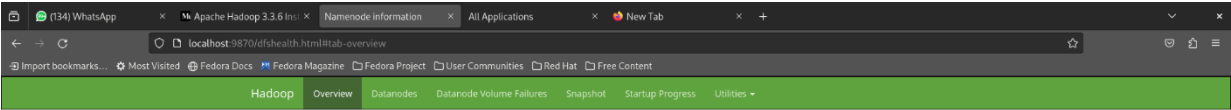
Started:	Wed Sep 11 13:43:13 +0530 2024
Version:	3.3.6, r1be78238728de9266a4f88195058f08fd012bf9c
Compiled:	Sun Jun 18 13:52:00 +0530 2023 by ubuntu from (HEAD detached at release-3.3.6-RC1)
Cluster ID:	CID-0e026a39-2882-4d8c-9b75-479f224614a8
Block Pool ID:	BP-579655234-172.20.10.5-1726042339981

Summary

Security is off.
Safemode is off.
1 files and directories, 0 blocks (0 replicated blocks, 0 erasure coded block groups) = 1 total filesystem object(s).
Heap Memory used 78.83 MB of 192 MB Heap Memory. Max Heap Memory is 1.9 GB.
Non Heap Memory used 49.89 MB of 53.25 MB Committed Non Heap Memory. Max Non Heap Memory is <unbounded>.

Configured Capacity:	248.41 GB
Configured Remote Capacity:	0 B
DFS Used:	4 KB (0%)
Non DFS Used:	14.86 GB
DFS Remaining:	232.39 GB (93.55%)
Block Pool Used:	4 KB (0%)
DataNodes usages% (Min/Median/Max/stdDev):	0.00% / 0.00% / 0.00% / 0.00%
Live Nodes	1 (Decommissioned: 0, In Maintenance: 0)

localhost:9000



Overview 'localhost:9000' (✓active)

Started:	Wed Sep 11 13:43:13 +0530 2024
Version:	3.3.6, r1be78238728da926da4f88195058f08fd012bf9c
Compiled:	Sun Jun 18 13:52:00 +0530 2023 by ubuntu from (HEAD detached at release-3.3.6-RC1)
Cluster ID:	CID-0e026a39-2882-4d8c-9b75-475f224614a8
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Live Nodes	1 (Decommissioned: 0, In Maintenance: 0)