

```
root@07c2f64b580a:/# cd $HADOOP_HOME/etc/hadoop
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# nano core-site.xml
bash: nano: command not found
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# cat core-site.xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
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  you may not use this file except in compliance with the License.
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  limitations under the License. See accompanying LICENSE file.
-->

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

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo "<property>
>   <name>fs.defaultFS</name>
>   <value>hdfs://localhost:9000</value>
> </property>" >> core-site.xml
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#  
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# cat hdfs-site.xml  
<?xml version="1.0" encoding="UTF-8"?>  
<?xml-stylesheet type="text/xsl" href="configuration.xsl"?>  
<!--  
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    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  
  
    Unless required by applicable law or agreed to in writing, software  
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    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 properties overrides in this file -->
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#  
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo "<property>  
>   <name>dfs.replication</name>  
>   <value>2</value>  
> </property>  
> <property>  
>   <name>dfs.blocksize</name>  
>   <value>134217728</value> <!-- 128 MB -->  
bash: !-: event not found  
> </property>" >> hdfs-site.xml  
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# jps  
707 ResourceManager  
533 NodeManager  
1910 Jps  
393 DataNode  
239 NameNode  
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo "export HADOOP_HOME=/opt/hadoop-3.2.1" >> ~/.bashrc
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo "export PATH=\$PATH:\$HADOOP_HOME/bin:\$HADOOP_HOME/sbin" >> ~/.bashrc
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# hadoop-daemon.sh stop datanode
WARNING: Use of this script to stop HDFS daemons is deprecated.
WARNING: Attempting to execute replacement "hdfs --daemon stop" instead.
2024-11-18 09:07:37,051 ERROR datanode.DataNode: RECEIVED SIGNAL 15: SIGTERM
2024-11-18 09:07:37,060 INFO datanode.DataNode: SHUTDOWN_MSG:
/*****
SHUTDOWN_MSG: Shutting down DataNode at 07c2f64b580a/172.17.0.2
*****/
```

```
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo "export HADOOP_HOME=/opt/hadoop-3.2.1" >> ~/.bashrc
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo "export PATH=\$PATH:\$HADOOP_HOME/bin:\$HADOOP_HOME/sbin" >> ~/.bashrc
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# source ~/.bashrc
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# echo $PATH
/opt/hadoop-3.2.1/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/opt/hadoop-3.2.1/bin:/opt/hadoop-3.2.1/sbin
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# hadoop-daemon.sh stop namenode
WARNING: Use of this script to stop HDFS daemons is deprecated.
WARNING: Attempting to execute replacement "hdfs --daemon stop" instead.
2024-11-18 09:07:35,787 ERROR namenode.NameNode: RECEIVED SIGNAL 15: SIGTERM
2024-11-18 09:07:36,046 INFO namenode.NameNode: SHUTDOWN_MSG:
/*****
```

```
y state
2024-11-18 09:07:38,553 INFO resourcemanager.ResourceManager: SHUTDOWN_MSG:
/*****
SHUTDOWN_MSG: Shutting down ResourceManager at 07c2f64b580a/172.17.0.2
*****/
2024-11-18 09:07:38,575 ERROR conf.Configuration: error parsing conf core-site.xml
com.ctc.wstx.exc.WstxParsingException: Illegal to have multiple roots (start tag in
epilog?).
  at [row,col,system-id]: [22,2,"file:/opt/hadoop-3.2.1/etc/hadoop/core-site.xml"]
  at com.ctc.wstx.sr.StreamScanner.constructWfcException(StreamScanner.java:62
```

```
(wd now: /opt/hadoop-3.2.1/etc/hadoop)
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# hadoop-daemon.sh start namenode
WARNING: Use of this script to start HDFS daemons is deprecated.
WARNING: Attempting to execute replacement "hdfs --daemon start" instead.
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# hadoop-daemon.sh start datanode
WARNING: Use of this script to start HDFS daemons is deprecated.
WARNING: Attempting to execute replacement "hdfs --daemon start" instead.
ERROR: Cannot set priority of datanode process 2520
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# yarn-daemon.sh start resourcemanager
WARNING: Use of this script to start YARN daemons is deprecated.
WARNING: Attempting to execute replacement "yarn --daemon start" instead.
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop# yarn-daemon.sh start nodemanager
WARNING: Use of this script to start YARN daemons is deprecated.
WARNING: Attempting to execute replacement "yarn --daemon start" instead.
root@07c2f64b580a:/opt/hadoop-3.2.1/etc/hadoop#
```

```
2024-11-18 10:56:27,379 INFO mapred.Task: Final Counters for attempt_local1430197592_0001_m_000000_0: Counters: 24
  File System Counters
    FILE: Number of bytes read=317864
    FILE: Number of bytes written=848358
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
    HDFS: Number of bytes read=11392
    HDFS: Number of bytes written=0
    HDFS: Number of read operations=5
    HDFS: Number of large read operations=0
    HDFS: Number of write operations=1
    HDFS: Number of bytes read erasure-coded=0
  Map-Reduce Framework
    Map input records=265
    Map output records=1310
    Map output bytes=15783
    Map output materialized bytes=5170
    Input split bytes=125
    Combine input records=1310
    Combine output records=256
    Spilled Records=256
```

```
HDFS: Number of bytes written=0
HDFS: Number of read operations=7
HDFS: Number of large read operations=0
HDFS: Number of write operations=1
HDFS: Number of bytes read erasure-coded=0
Map-Reduce Framework
  Map input records=220
  Map output records=832
  Map output bytes=10690
  Map output materialized bytes=6333
  Input split bytes=130
  Combine input records=832
  Combine output records=356
  Spilled Records=356
  Failed Shuffles=0
  Merged Map outputs=0
  GC time elapsed (ms)=0
  Total committed heap usage (bytes)=391118848
File Input Format Counters
  Bytes Read=8260
2024-11-18 10:56:27,468 INFO mapred.LocalJobRunner: Finishing task: attempt_local1430197592_0001_m_000001_0
```

```
File System Counters
  FILE: Number of bytes read=3264130
  FILE: Number of bytes written=8618331
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=243235
  HDFS: Number of bytes written=10327
  HDFS: Number of read operations=143
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=12
  HDFS: Number of bytes read erasure-coded=0
Map-Reduce Framework
  Map input records=751
  Map output records=3063
  Map output bytes=38519
  Map output materialized bytes=21327
  Input split bytes=1104
  Combine input records=3063
  Combine output records=1223
  Reduce input groups=588
  Reduce shuffle bytes=21327
```

```
Reduce input groups=588
Reduce shuffle bytes=21327
Reduce input records=1223
Reduce output records=588
Spilled Records=2446
Shuffled Maps =9
Failed Shuffles=0
Merged Map outputs=9
GC time elapsed (ms)=9
Total committed heap usage (bytes)=7580155904
```

Shuffle Errors

```
BAD_ID=0
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
```

File Input Format Counters

```
Bytes Read=28589
```

File Output Format Counters

```
Bytes Written=10327
```

@07c2f64b580a: /#