Running a Wordcount MapReduce Example

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Before running the below commands make sure that you have :

* Switched to the **hadoop user**.
* Navigated to the hadoop **Sbin** directory.
* Started the **Hadoop Distributed File System (HDFS).**
* Started the **YARN Resource Manager**.

**If not** refer to the below image to complete the above tasks :

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If **jps** **(Java Processing Status)** lists all the above **running java processes**, then you are **good to continue** with the below commands**.**

1. Create a directory in hadoop file system

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| **~$** hdfs dfs -mkdir -p /user/hdoop/input |

1. Copy file to HDFS.

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| **~$** hdfs dfs -put ~/hadoop-3.2.4/LICENSE.txt /user/hdoop/input/ |

1. Change directory to your hadoop installation directory using **$HADOOP\_HOME** which is an environment variable that points to it.

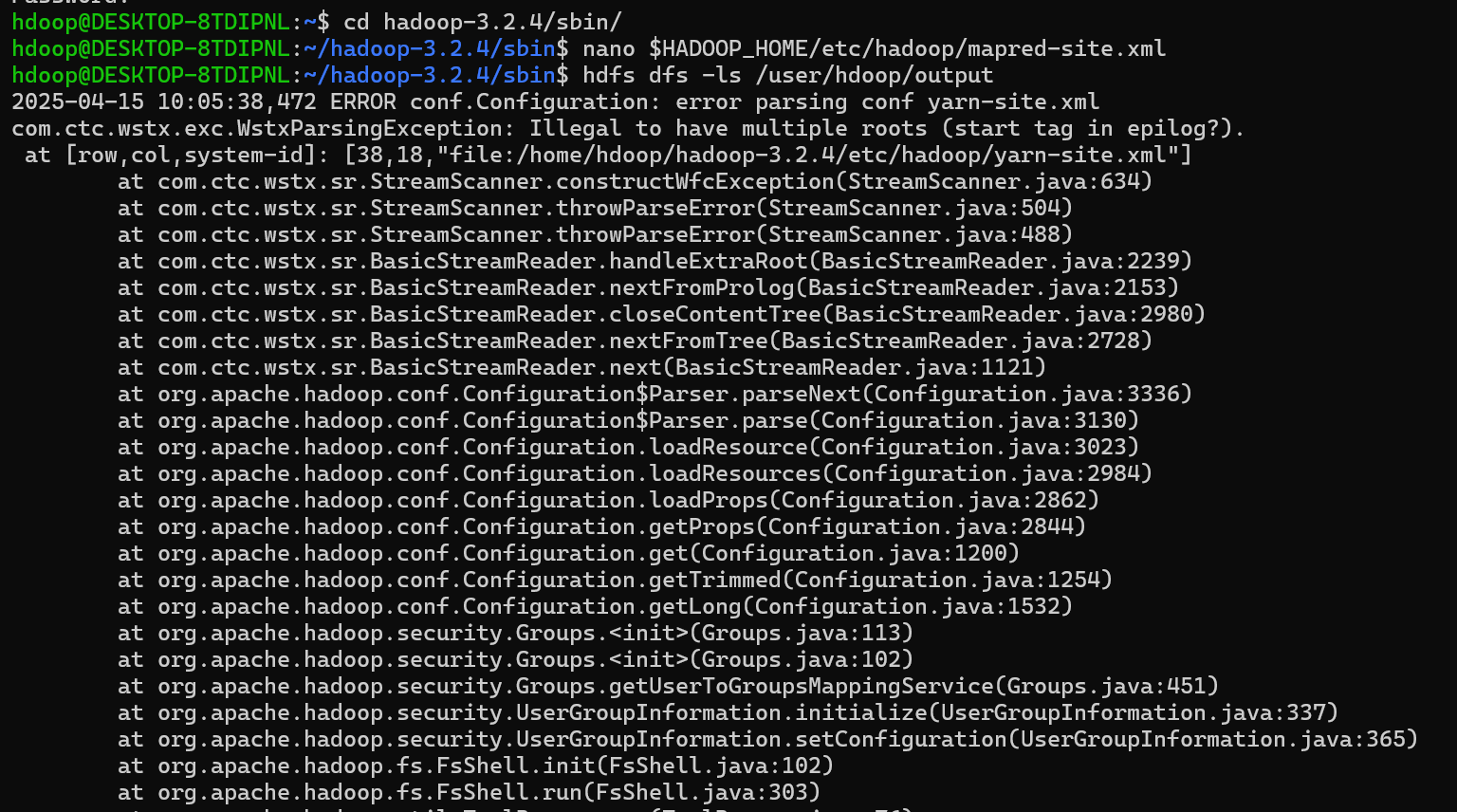
|  |
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| **~$** cd $HADOOP\_HOME |

1. Run the wordcount mapreduce example.

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| **~$** hadoop jar share/hadoop/mapreduce/hadoop-mapreduce-examples-3.2.4.jar wordcount /user/hdoop/input /user/hdoop/output |

1. Show results

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| **~$** hdfs dfs -ls /user/hdoop/output  **~$** hdfs dfs -cat /user/hdoop/output/part-r-00000 |



A screen shot of a computer

AI-generated content may be incorrect.