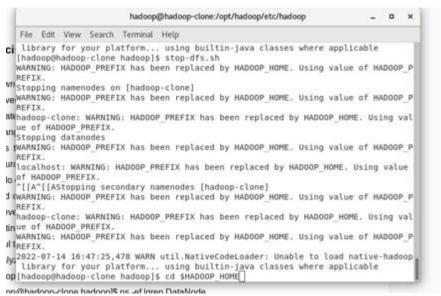
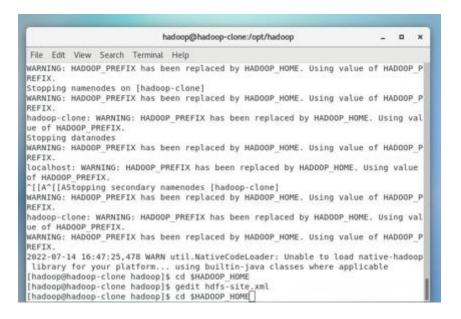
Lab - 2

Aim: "Configuring and experiencing Hadoop Single node cluster. Start/stop script and monitoring."

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Change the URL of HDFS Web UI to localhost:51234 instead of localhost:50070 and the access the web UI using new URL. [Hint: refer configuration files] [Know that traditionally configuration based servers need to be restarted after any server configuration change.]





Overview 'hadoop-clone:9000' (active)

Started:	Thu Jul 14 16:50:43 +0530 2022
Version:	3.2.0, re97acb3bd8f3befd27418996fa5d4b50bf2e17bf
Compiled:	Tue Jan 08 11:38:00 +0530 2019 by sunilg from branch-3.2.0
Cluster ID:	CID-a0711dac-8474-44f9-8368-d68c1ff4c838
Block Pool ID:	BP-1266388418-127.0.0.1-1560101340487

Summary

Security is off.

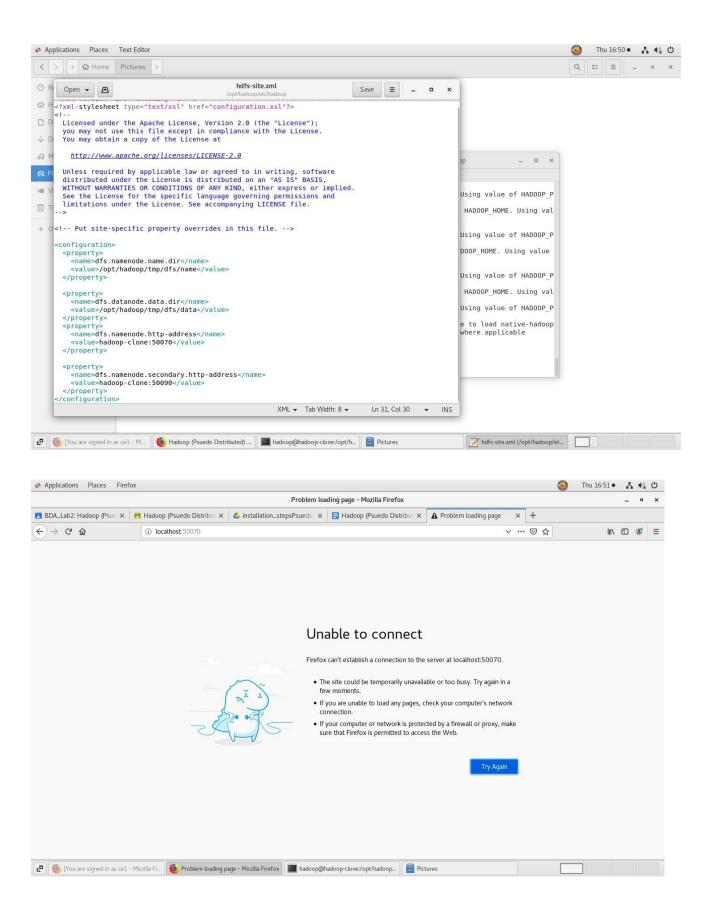
Safe mode is ON. The reported blocks 5 has reached the threshold 0.9990 of total blocks 5. The number of live datanodes 1 has reached the minimum number 0. In safe mode extension. Safe mode will be turned off automatically in 20 seconds.

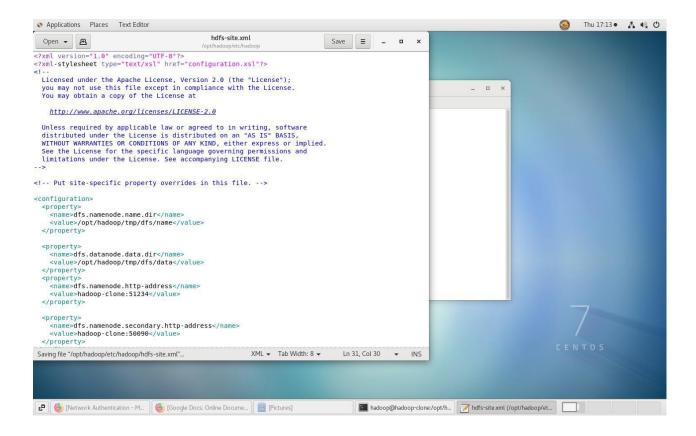
42 files and directories, 5 blocks (5 replicated blocks, 0 erasure coded block groups) = 47 total filesystem object(s).

Heap Memory used 84.03 MB of 423.5 MB Heap Memory. Max Heap Memory is 3.42 GB.

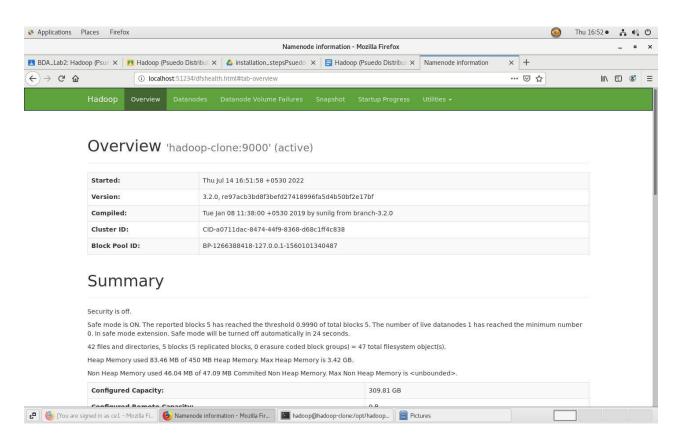
Non Heap Memory used 46.69 MB of 48.03 MB Committed Non Heap Memory. Max Non Heap Memory is <unbounded>.

Configured Capacity: 309.81 GB



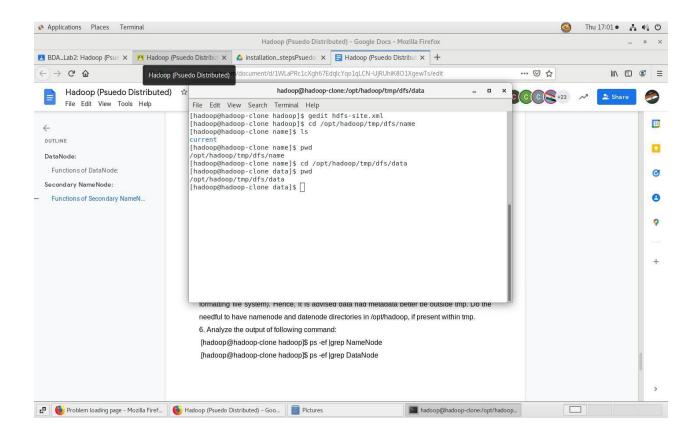


Undo changes done in task1.



Find out what is current location of namenode and datanode storagedirectories. Normally whenever cleanup is required, tmp folder is one tobe emptied up (not to confuse with formatting file system). Hence, it is advised data and metadata better be outside tmp. Do the

needful to have namenode and datenode directories in /opt/hadoop, ifpresent within tmp.



Analyze the output of following command: [hadoop@hadoop-clone hadoop]\$ ps -ef |grep NameNode[hadoop@hadoop-clone hadoop]\$ ps -ef |grep DataNode

