## **HDFS Task-1**

1. What is the Namenode's URI and which file is it configured in?

Answer: name node is the master and management node of Hadoop system in core-site.xml file the Uri is mentioned.

2. Where on a local file system will Namenode store its image and which file is it configured in?

Answer: In Hadoop home etc folder the hdfs-site.xml file is there in that file name node property is configured

3. Where on a local file system will Datanode store its blocks and which file is it configured in?

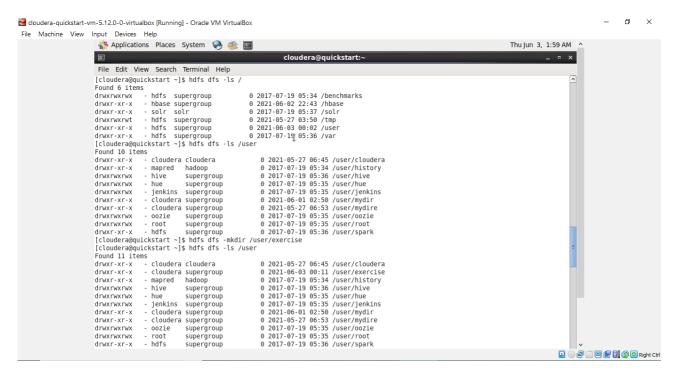
Answer: In Hadoop home etc folder the hdfs-site.xml file is there in that file data node property is configured.

4. What is the block replication and which file is it configured in?

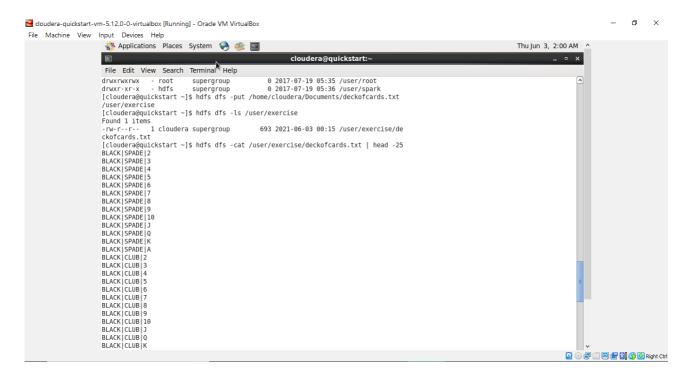
Answer: Its a copy of the data of node of rack, each data should be placed in different nodes of different rack. It is configured in hdfs-site.xml

## Perform

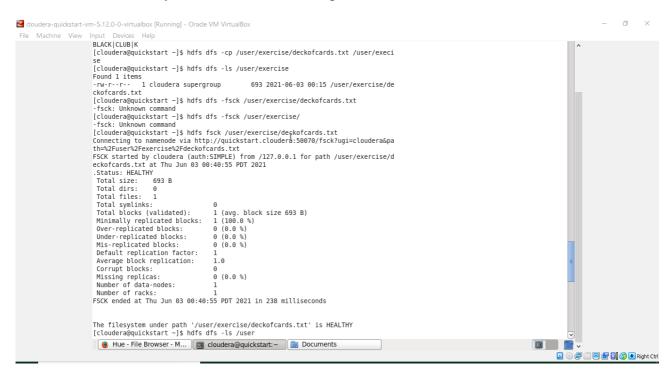
1. Start HDFS and verify that it's running 2. Create a new directory /exercise1 on HDFS



- 3. Upload GitHub repo sample data/deckofcards.txt to HDFS under /exercise1 directory
- 4. View the content of the /exercise1 directory
- 5. Determine the size of the hamlet.txt file in KB that resides on HDFS (not local directory)
- 6. Print the first 25 lines to the screen from deckofcards.txt on HDFS



## 9. Check the entire filesystem for inconsistencies/problems



- 7. Copy deckofcards.txt to deckofcardsCopy.txt
- 8. Copy deckofcards.txt back to local file system and name it deckofcards.copy.txt
- 10. Delete deckofcards.txt from HDFS
- 11. Delete the /exercise1 directory from HDFS
- 12. Take a second to look at other available shell options.