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hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -mkdir /abc
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ start-all.sh
start-all: command not found
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ ./start-all.sh
bash: ./start-all.sh: No such file or directory
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ cd /usr/local/hadoop/sbin
bash: cd: /usr/local/hadoop/sbin: No such file or directory
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop
Usage: hadoop [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]
or hadoop [OPTIONS] CLASSNAME [CLASSNAME OPTIONS]
where CLASSNAME is a user-provided Java class

OPTIONS is none or any of:

buildpaths          attempt to add class files from build tree
--config dir        Hadoop config directory
--debug            turn on shell script debug mode
--help            usage information
hostnames list[,of,host,names] hosts to use in worker mode
hosts filename      list of hosts to use in worker mode
loglevel level      set the log4j level for this command
workers            turn on worker mode

SUBCOMMAND is one of:

Admin Commands:

daemonlog          get/set the log level for each daemon

Client Commands:

archive            create a Hadoop archive
checknative        check native Hadoop and compression libraries availability
classpath          prints the class path needed to get the Hadoop jar and the
                  required libraries
confest           validate configuration XML files
credential         interact with credential providers
distch            distributed metadata changer
distcp            copy file or directories recursively
dtutil            operations related to delegation tokens
envvars           display computed Hadoop environment variables
fs               run a generic filesystem user client
gridmix           submit a mix of synthetic job, modeling a profiled from
                  production load
jar <jar>         run a jar file. NOTE: please use "yarn jar" to launch YARN
                  applications, not this command.
jnipath           prints the java.library.path
kdiag            Diagnose Kerberos Problems
kerbname          show auth_to_local principal conversion
key              manage keys via the KeyProvider
rumenfolder       scale a rumen input trace
rumentrace        convert logs into a rumen trace
s3guard          S3 Commands
trace            view and modify Hadoop tracing settings
version          print the version

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version          print the version

Daemon Commands:

kns              run KMS, the Key Management Server
registrydns      run the registry DNS server

SUBCOMMAND may print help when invoked w/o parameters or with -h.
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ which hadoop
/home/hadoop/hadoop/bin/hadoop
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ cd /home/hadoop/hadoop/sbin
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-dfs.sh
Starting namenodes on [localhost]
localhost: namenode is running as process 9900. Stop it first and ensure /tmp/hadoop-hadoop-namenode.pid file is empty before retry.
Starting datanodes
localhost: datanode is running as process 10056. Stop it first and ensure /tmp/hadoop-hadoop-datanode.pid file is empty before retry.
Starting secondary namenodes [bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC]
bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC: secondarynamenode is running as process 10334. Stop it first and ensure /tmp/hadoop-hadoop-secondarynamenode.pid file is empty before retry.
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-yarn.sh
Starting resourcemanager
resourcemanager is running as process 10644. Stop it first and ensure /tmp/hadoop-hadoop-resourcemanager.pid file is empty before retry.
Starting nodemanagers
localhost: nodemanager is running as process 10807. Stop it first and ensure /tmp/hadoop-hadoop-nodemanager.pid file is empty before retry.
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ jps
10644 ResourceMgr
10807 NodeManager
10056 DataNode
9900 NameNode
10334 SecondaryNameNode
10111 Jps
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -mkdir /abc
mkdir: '/abc': File exists
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -rm -r /abc
Deleted /abc
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -mkdir /abc
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /
Found 4 items
drwxr-xr-x - hadoop supergroup 0 2025-04-15 14:32 /abc
drwxr-xr-x - hadoop supergroup 0 2024-05-13 15:12 /newDataFlair
drwxr-xr-x - hadoop supergroup 0 2024-05-13 14:36 /olddata
drwxr-xr-x - hadoop supergroup 0 2025-04-15 14:19 /rgs
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -put /home/hadoop/Desktop/file1.txt /abc/file1.txt
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -cat /abc/file1.txt
ht how are you
ht how is your job
ht how is your family
ht how is your brother
ht how is your sister
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -copyFromLocal /home/hadoop/Desktop/file1.txt /abc/file1.txt
copyFromLocal: '/abc/file1.txt': File exists
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -copyFromLocal /home/hadoop/Desktop/file1.txt /abc/file2.txt
hadoop@bmscsecse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /abc
Found 2 items
-rw-r--r-- 1 hadoop supergroup 90 2025-04-15 14:34 /abc/file1.txt
-rw-r--r-- 1 hadoop supergroup 90 2025-04-15 14:35 /abc/file2.txt

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hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -copyToLocal /abc/WC.txt /home/hduser/Desktop
copyToLocal: '/abc/WC.txt': No such file or directory
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -copyToLocal /abc/file1.txt /home/hduser/Desktop
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ cat /home/hduser/Desktop/file1.txt
hl how are you
how is your job
how is your family
how is your brother
how is your sister

hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -cat /abc/file1.txt
hl how are you
how is your job
how is your family
how is your brother
how is your sister

hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -cat /abc/file2.txt
hl how are you
how is your job
how is your family
how is your brother
how is your sister

hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -mv /abc /FFF
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /FFF
Found 2 items
-rw-r--r-- 1 hadoop supergroup          90 2025-04-15 14:34 /FFF/file1.txt
-rw-r--r-- 1 hadoop supergroup          90 2025-04-15 14:35 /FFF/file2.txt
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ 9. Cp Hadoop HDFS

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cp Command Usage cp Hadoop HDFS

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hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -cp /abc/file1.txt /newDir/
cp: '/newDir/': No such file or directory: 'hdfs://localhost:9000/newDir'
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -mkdir /destinationDir
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -cp /abc/file1.txt /destinationDir/
cp: '/abc/file1.txt': No such file or directory
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /abc/
ls: '/abc/': No such file or directory
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /
Found 5 items
drwxr-xr-x - hadoop supergroup          0 2025-04-15 14:35 /FFF
drwxr-xr-x - hadoop supergroup          0 2025-04-15 14:47 /destinationDir
drwxr-xr-x - hadoop supergroup          0 2024-05-13 15:12 /newDataFlair
drwxr-xr-x - hadoop supergroup          0 2024-05-13 14:36 /olddata
drwxr-xr-x - hadoop supergroup          0 2025-04-15 14:19 /rgs
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /FFF
Found 2 items
-rw-r--r-- 1 hadoop supergroup          90 2025-04-15 14:34 /FFF/file1.txt
-rw-r--r-- 1 hadoop supergroup          90 2025-04-15 14:35 /FFF/file2.txt
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -cp /FFF/file1.txt /destinationDir/
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -cp /FFF/file2.txt /destinationDir/
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -ls /destinationDir/
Found 2 items
-rw-r--r-- 1 hadoop supergroup          90 2025-04-15 14:49 /destinationDir/file1.txt
-rw-r--r-- 1 hadoop supergroup          90 2025-04-15 14:49 /destinationDir/file2.txt
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ 5-5-

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SUBCOMMAND may print help when invoked w/o parameters or with -h.
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ cd /home/hadoop/hadoop/sbin
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-dfs.sh
Starting namenodes on [localhost]
localhost: namenode is running as process 9900. Stop it first and ensure /tmp/hadoop-hadoop-namenode.pid file is empty before retry.
Starting datanodes
localhost: datanode is running as process 10056. Stop it first and ensure /tmp/hadoop-hadoop-datanode.pid file is empty before retry.
Starting secondary namenodes [bmscscse-HP-Elite-Tower-800-G9-Desktop-PC]
bmscscse-HP-Elite-Tower-800-G9-Desktop-PC: secondarynamenode is running as process 10334. Stop it first and ensure /tmp/hadoop-hadoop-secondarynamenode.pid file is empty before retry.
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-yarn.sh
Starting resourcemanager
resourcemanager is running as process 10644. Stop it first and ensure /tmp/hadoop-hadoop-resourcemanager.pid file is empty before retry.
Starting nodemanagers
localhost: nodemanager is running as process 10807. Stop it first and ensure /tmp/hadoop-hadoop-nodemanager.pid file is empty before retry.
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ jps
12226 Jps
10644 ResourceManager
10807 NodeManager
10056 DataNode
9900 NameNode
10334 SecondaryNameNode
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-dfs.sh
Starting namenodes on [localhost]
localhost: namenode is running as process 9900. Stop it first and ensure /tmp/hadoop-hadoop-namenode.pid file is empty before retry.
Starting datanodes
localhost: datanode is running as process 10056. Stop it first and ensure /tmp/hadoop-hadoop-datanode.pid file is empty before retry.
Starting secondary namenodes [bmscscse-HP-Elite-Tower-800-G9-Desktop-PC]
bmscscse-HP-Elite-Tower-800-G9-Desktop-PC: secondarynamenode is running as process 10334. Stop it first and ensure /tmp/hadoop-hadoop-secondarynamenode.pid file is empty before retry.
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-yarn.sh
Starting resourcemanager
resourcemanager is running as process 10644. Stop it first and ensure /tmp/hadoop-hadoop-resourcemanager.pid file is empty before retry.
Starting nodemanagers
localhost: nodemanager is running as process 10807. Stop it first and ensure /tmp/hadoop-hadoop-nodemanager.pid file is empty before retry.
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ jps
13012 Jps
10644 ResourceManager
10807 NodeManager
10056 DataNode
9900 NameNode
10334 SecondaryNameNode
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -ls /
Found 2 items
drwxr-xr-x - hadoop supergroup          0 2024-05-13 15:12 /newDataFlair
drwxr-xr-x - hadoop supergroup          0 2024-05-13 14:36 /olddata
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -copyFromLocal /home/rekhags/Desktop/file1.txt /rgs/test.txt
copyFromLocal: '/rgs/test.txt': No such file or directory: 'hdfs://localhost:9000/rgs/test.txt'
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -mkdir /rgs
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hdfs dfs -copyFromLocal /home/rekhags/Desktop/file1.txt /rgs/test.txt
copyFromLocal: '/home/rekhags/Desktop/file1.txt': No such file or directory
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ls /home/hadoop/Desktop/
file1.txt first.txt untitled.jar WC.jar
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ nano /home/hadoop/Desktop/file1.txt
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -copyFromLocal /home/hadoop/Desktop/file1.txt /rgs/test.txt
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -mkdir /rgs

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10644 ResourceManager
10807 NodeManager
10056 DataNode
9900 NameNode
10334 SecondaryNameNode
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-dfs.sh
Starting namenodes on [localhost]
localhost: namenode is running as process 9900. Stop it first and ensure /tmp/hadoop-hadoop-namenode.pid file is empty before retry.
Starting datanodes
localhost: datanode is running as process 10056. Stop it first and ensure /tmp/hadoop-hadoop-datanode.pid file is empty before retry.
Starting secondary namenodes [bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC]
bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC: secondarynamenode is running as process 10334. Stop it first and ensure /tmp/hadoop-hadoop-secondarynamenode.pid file is empty before retry.
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ./start-yarn.sh
Starting resourcemanager
resourcemanager is running as process 10644. Stop it first and ensure /tmp/hadoop-hadoop-resourcemanager.pid file is empty before retry.
Starting nodemanagers
localhost: nodemanager is running as process 10807. Stop it first and ensure /tmp/hadoop-hadoop-nodemanager.pid file is empty before retry.
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ jps
13012 Jps
10644 ResourceManager
10807 NodeManager
10056 DataNode
9900 NameNode
10334 SecondaryNameNode
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -ls /
Found 2 items
drwxr-xr-x - hadoop supergroup          0 2024-05-13 15:12 /newDataFlair
drwxr-xr-x - hadoop supergroup          0 2024-05-13 14:36 /olddata
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -copyFromLocal /home/rekhags/Desktop/file1.txt /rgs/test.txt
copyFromLocal: '/rgs/test.txt': No such file or directory: 'hdfs://localhost:9000/rgs/test.txt'
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -mkdir /rgs
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -copyFromLocal /home/rekhags/Desktop/file1.txt /rgs/test.txt
copyFromLocal: '/home/rekhags/Desktop/file1.txt': No such file or directory
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ls /home/hadoop/Desktop/
file1.txt  first.txt  Untitled.jar  WC.jar
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ nano /home/hadoop/Desktop/file1.txt
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -copyFromLocal /home/hadoop/Desktop/file1.txt /rgs/test.txt
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -mkdir /rgs
mkdir: '/rgs': File exists
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -ls /
Found 3 items
drwxr-xr-x - hadoop supergroup          0 2024-05-13 15:12 /newDataFlair
drwxr-xr-x - hadoop supergroup          0 2024-05-13 14:36 /olddata
drwxr-xr-x - hadoop supergroup          0 2025-04-15 14:19 /rgs
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop fs -copyFromLocal /home/hadoop/Desktop/file1.txt /rgs/test.txt
copyFromLocal: '/rgs/test.txt': File exists
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ hadoop jar /home/hadoop/Desktop/WordCount.jar wordcount.WordCount /rgs/test.txt /output/
JAR does not exist or is not a normal file: /home/hadoop/Desktop/WordCount.jar
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ ls /home/hadoop/Desktop/WordCount.jar
ls: cannot access '/home/hadoop/Desktop/WordCount.jar': No such file or directory
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$ START ALL sh
Command 'START' not found, did you mean:
  command 'STAR' from deb rna-star (2.7.10+dfsg-1)
Try: sudo apt install <deb name>
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop/sbin$

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hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop_wordcount$ nano WordCount.java
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop_wordcount$
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop_wordcount$ javac -classpath $(hadoop classpath) -d /home/hadoop/wordcount_classes WordCount.java
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop_wordcount$ jar -cvf /home/hadoop/Desktop/WordCount.jar -C /home/hadoop/wordcount_classes/ .
added manifest
adding: wordcount/(in = 0) (out= 0)(stored 0%)
adding: wordcount/WordCount$IntSumReducer.class(in = 1775) (out= 756)(deflated 57%)
adding: wordcount/WordCount$TokenizerMapper.class(in = 1858) (out= 803)(deflated 56%)
adding: wordcount/WordCount.class(in = 1581) (out= 807)(deflated 46%)
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop_wordcount$ hadoop fs -cat /output/part-00000
cat: '/output/part-00000': No such file or directory
hadoop@bmsccese-HP-Ellite-Tower-800-G9-Desktop-PC:~/hadoop_wordcount$

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