

# HDFS 基础操作实验报告

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ls cat cp chmod du chown 命令:

```
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -ls
Found 2 items
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 15:41 ls
-rw-r--r--  3 xuefeiyue supergroup          11 2020-03-16 23:26 test
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -cat test
Hello World
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -chmod ugo+r test
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -chown xuefeiyue:supergroup test
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -cp test test.txt
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -ls
Found 3 items
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 15:41 ls
-rw-r--r--  3 xuefeiyue supergroup          11 2020-03-16 23:26 test
-rw-r--r--  1 xuefeiyue supergroup          11 2020-03-21 15:52 test.txt
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -du
0      ls
11     test
11     test.txt
```

mkdir 命令:

```
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -mkdir test2/
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7$ hdfs dfs -ls
Found 4 items
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 15:41 ls
-rw-r--r--  3 xuefeiyue supergroup          11 2020-03-16 23:26 test
-rw-r--r--  1 xuefeiyue supergroup          11 2020-03-21 15:52 test.txt
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 16:09 test2
```

rm mv 命令:

```
xuefeiyue@xuefeiyue-VirtualBox: ~$ hdfs dfs -ls
Found 3 items
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 15:41 ls
-rw-r--r--  3 xuefeiyue supergroup          11 2020-03-16 23:26 test
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 16:10 test2
xuefeiyue@xuefeiyue-VirtualBox: ~$ hdfs dfs -rm test2/test.txt
20/03/21 16:16:21 INFO fs.TrashPolicyDefault: Namenode trash configuration: Deletion interval = 0 minutes, Emptier interval = 0 minutes.
Deleted test2/test.txt
xuefeiyue@xuefeiyue-VirtualBox: ~$ hdfs dfs -ls test2
xuefeiyue@xuefeiyue-VirtualBox: ~$ hdfs dfs -mv test test2
xuefeiyue@xuefeiyue-VirtualBox: ~$ hdfs dfs -ls test2
Found 1 items
-rw-r--r--  3 xuefeiyue supergroup          11 2020-03-16 23:26 test2/test
xuefeiyue@xuefeiyue-VirtualBox: ~$
```

put tail setrep 命令:

```
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -put README.txt .
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -ls
Found 3 items
-rw-r--r--  1 xuefeiyue supergroup          1366 2020-03-21 16:28 README.txt
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 15:41 ls
drwxr-xr-x - xuefeiyue supergroup          0 2020-03-21 16:18 test2
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -tail README.txt
try, of
encryption software. BEFORE using any encryption software, please
check your country's laws, regulations and policies concerning the
import, possession, or use, and re-export of encryption software, to
see if this is permitted. See <http://www.wassenaar.org/> for more
information.

The U.S. Government Department of Commerce, Bureau of Industry and
Security (BIS), has classified this software as Export Commodity
Control Number (ECCN) 5D002.C.1, which includes information security
software using or performing cryptographic functions with asymmetric
algorithms. The form and manner of this Apache Software Foundation
distribution makes it eligible for export under the License Exception
ENC Technology Software Unrestricted (TSU) exception (see the BIS
Export Administration Regulations, Section 740.13) for both object
code and source code.

The following provides more details on the included cryptographic
software:
Hadoop Core uses the SSL libraries from the Jetty project written
by mortbay.org.
xuefeiyue@xuefeiyue-VirtualBox: /usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -setrep 3 README.txt
Replication 3 set: README.txt
```

get 命令:

```
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/myapp$ hdfs dfs -get test/1 .
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/myapp$ ls
1 HDFSWriteRead.jar
```

stat text touchz 命令:

```
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -stat README.txt
2020-03-21 08:28:19
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -text README.txt
For the latest information about Hadoop, please visit our website at:

    http://hadoop.apache.org/core/

and our wiki, at:

    http://wiki.apache.org/hadoop/

This distribution includes cryptographic software.  The country in
which you currently reside may have restrictions on the import,
possession, use, and/or re-export to another country, of
encryption software.  BEFORE using any encryption software, please
check your country's laws, regulations and policies concerning the
import, possession, or use, and re-export of encryption software, to
see if this is permitted.  See <http://www.wassenaar.org/> for more
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Export Administration Regulations, Section 740.13) for both object
code and source code.

The following provides more details on the included cryptographic
software:
    Hadoop Core uses the SSL libraries from the Jetty project written
    by mortbay.org.
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -touchz test.txt
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/test$ hdfs dfs -ls
Found 4 items
-rw-r--r--   3 xuefeiyue supergroup      1366 2020-03-21 16:28 README.txt
drwxr-xr-x   - xuefeiyue supergroup       0 2020-03-21 15:41 ls
-rw-r--r--   1 xuefeiyue supergroup       0 2020-03-21 16:39 test.txt
drwxr-xr-x   - xuefeiyue supergroup       0 2020-03-21 16:18 test2
xuefeiyue@xuefeiyue-VirtualBox:/usr/local/hadoop/hadoop-2.7.7/test$
```