

PART II WebHDFS

1. Create and Write to a File

命令	结果
<code>curl -i -X PUT "http://localhost:50070/webhdfs/v1/test?op=CREATE"</code>	√
<code>curl -i -X PUT -T /home/beaver/Documents/test/hadoop/test.txt "http://localhost:50075/webhdfs/v1/test?op=CREATE&overwrite=false"</code>	√

将 blocksize 设为 10

命令	结果
<code>curl -i -X PUT "http://localhost:50070/webhdfs/v1/create?op=CREATE&blocksize=10"</code>	√
<code>curl -i -X PUT -T /home/beaver/Documents/test/hadoop/test.txt "http://localhost:50075/webhdfs/v1/create?op=CREATE&overwrite=false"</code>	√

2. Append to a File

命令	结果
<code>curl -i -X POST "http://localhost:50070/webhdfs/v1/test?op=APPEND"</code>	√
<code>curl -i -X POST -T /home/beaver/Documents/test/hadoop/test.txt "http://localhost:50075/webhdfs/v1/test?op=APPEND"</code>	√

3. Open and Read a File

命令	结果
<code>curl -i -L "http://localhost:50070/webhdfs/v1/test?op=OPEN"</code>	√

4. Make a Directory

命令	结果
<code>curl -i -X PUT "http://localhost:50070/webhdfs/v1/test1?op=MKDIRS"</code>	√

5. Rename a File/Directory

命令	结果
<code>curl -i -X PUT "http://locals/v1/test1?op=RENAME&destination=/test3"</code>	√

6. Delete a File/Directory

命令	结果
<code>curl -i -X DELETE "http://localhost:50070/webhdfs/v1/test2?op=DELETE"</code>	√

7. Status of a File/Directory

命令	结果
<code>curl -i "http://localhost:50070/webhdfs/v1/test?op=GETFILESTATUS"</code>	√

8. List a Directory

命令	结果
<code>curl -i "http://localhost:50070/webhdfs/v1/test?op=LISTSTATUS"</code>	√

9. Get Content Summary of a Directory

命令	结果
<code>curl -i "http://localhost:50070/webhdfs/v1/test?op=GETCONTENTSUMMARY"</code>	√

10. Get Home Directory

命令	结果
<code>curl -i "http://localhost:50070/webhdfs/v1/test?op=GETHOMEDIRECTORY"</code>	√

11. 查看创建的目录

命令	结果
<code>bin/hadoop fs -lsr /test</code>	√

运行结果

1. Create and Write to a File

(1) curl -i -X PUT "<http://localhost:50070/webhdfs/v1/test?op=CREATE>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X PUT "http://localhost:50070/webhdfs/v1/test?op=CREATE"
HTTP/1.1 307 TEMPORARY_REDIRECT
Content-Type: application/octet-stream
Location: http://localhost:50075/webhdfs/v1/test?op=CREATE&overwrite=false
Content-Length: 0
Server: Jetty(6.1.26)
```

(2) curl -i -X PUT -T /home/beaver/Documents/test/hadoop/test.txt

"<http://localhost:50075/webhdfs/v1/test?op=CREATE&overwrite=false>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X PUT -T /home/beaver/Documents/test/hadoop/test.txt "http://localhost:50075/webhdfs/v1/test?op=CREATE&overwrite=false"
HTTP/1.1 100 Continue

HTTP/1.1 201 Created
Content-Type: application/octet-stream
Location: webhdfs://0.0.0.0:50070/test
Content-Length: 0
Server: Jetty(6.1.26)
```

blocksize = 10

(1) curl -i -X PUT "<http://localhost:50070/webhdfs/v1/create?op=CREATE&blocksize=10>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X PUT "http://localhost:50070/webhdfs/v1/create?op=CREATE&blocksize=10"
HTTP/1.1 307 TEMPORARY_REDIRECT
Content-Type: application/octet-stream
Location: http://localhost:50075/webhdfs/v1/create?op=CREATE&overwrite=false
Content-Length: 0
Server: Jetty(6.1.26)
```

(2) curl -i -X PUT -T /home/beaver/Documents/test/hadoop/test.txt

"<http://localhost:50075/webhdfs/v1/create?op=CREATE&overwrite=false>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X PUT -T /home/beaver/Documents/test/hadoop/test.txt "http://localhost:50075/webhdfs/v1/create?op=CREATE&overwrite=false"
HTTP/1.1 100 Continue

HTTP/1.1 201 Created
Content-Type: application/octet-stream
Location: webhdfs://0.0.0.0:50070/create
Content-Length: 0
Server: Jetty(6.1.26)
```

2. Append to a File

(1) curl -i -X POST "<http://localhost:50070/webhdfs/v1/test?op=APPEND>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X POST "http://localhost:50070/webhdfs/v1/test?op=APPEND"
HTTP/1.1 307 TEMPORARY_REDIRECT
Content-Type: application/octet-stream
Location: http://localhost:50075/webhdfs/v1/test?op=APPEND
Content-Length: 0
Server: Jetty(6.1.26)
```

(2) curl -i -X POST -T /home/beaver/Documents/test/hadoop/test.txt
"http://localhost:50075/webhdfs/v1/test?op=APPEND"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X POST -T /home/beaver/Documents/test/hadoop/test.txt "http://localhost:50075/webhdfs/v1/test?op=APPEND"
HTTP/1.1 100 Continue

HTTP/1.1 200 OK
Content-Type: application/octet-stream
Content-Length: 0
Server: Jetty(6.1.26)
```

3. Open and Read a File

curl -i -L "http://localhost:50070/webhdfs/v1/test?op=OPEN"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -L "http://localhost:50070/webhdfs/v1/test?op=OPEN"
HTTP/1.1 307 TEMPORARY_REDIRECT
Content-Type: application/octet-stream
Location: http://localhost:50075/webhdfs/v1/test?op=OPEN&offset=0
Content-Length: 0
Server: Jetty(6.1.26)

HTTP/1.1 200 OK
Content-Type: application/octet-stream
Content-Length: 88
Server: Jetty(6.1.26)

asc
hello word
sss
hello
spark
hello hadoop
asc
hello word
sss
hello
spark
hello hadoop
```

4. Make a Directory

curl -i -X PUT "http://localhost:50070/webhdfs/v1/test1?op=MKDIRS"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X PUT "http://localhost:50070/webhdfs/v1/test1?op=MKDIRS"
HTTP/1.1 200 OK
Content-Type: application/json
Transfer-Encoding: chunked
Server: Jetty(6.1.26)

{"boolean":true}beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

5. Rename a File/Directory

curl -i -X PUT "<http://locals/v1/test1?op=RENAME&destination=/test3>"

```
{ "boolean": false } beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X PUT "http://localhost:50070/webhdfs/v1/test1?op=RENAME&destination=/test3"
HTTP/1.1 200 OK
Content-Type: application/json
Transfer-Encoding: chunked
Server: Jetty(6.1.26)

{"boolean":true} beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

6. Delete a File/Directory

curl -i -X DELETE "<http://localhost:50070/webhdfs/v1/test2?op=DELETE>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i -X DELETE "http://localhost:50070/webhdfs/v1/test2?op=DELETE"
HTTP/1.1 200 OK
Content-Type: application/json
Transfer-Encoding: chunked
Server: Jetty(6.1.26)

{"boolean":true} beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

7. Status of a File/Directory

curl -i "<http://localhost:50070/webhdfs/v1/test?op=GETFILESTATUS>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i "http://localhost:50070/webhdfs/v1/test?op=GETFILESTATUS"
HTTP/1.1 200 OK
Content-Type: application/json
Transfer-Encoding: chunked
Server: Jetty(6.1.26)

{"FileStatus":{"accessTime":1470905546984,"blockSize":67108864,"group":"supergroup","length":88,"modificationTime":1470905546984,"owner":"beaver","pathSuffix":"","permission":"644","replication":1,"type":"FILE"}} beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

8. List a Directory

curl -i "<http://localhost:50070/webhdfs/v1/test?op=LISTSTATUS>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i "http://localhost:50070/webhdfs/v1/test?op=LISTSTATUS"
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 234
Server: Jetty(6.1.26)

{"FileStatuses":{"FileStatus":[{"accessTime":1470905546984,"blockSize":67108864,"group":"supergroup","length":88,"modificationTime":1470905546984,"owner":"beaver","pathSuffix":"","permission":"644","replication":1,"type":"FILE"}]}}
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

9. Get Content Summary of a Directory

curl -i "<http://localhost:50070/webhdfs/v1/test?op=GETCONTENTSUMMARY>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i "http://localhost:50070/webhdfs/v1/test?op=GETCONTENTSUMMARY"
HTTP/1.1 200 OK
Content-Type: application/json
Transfer-Encoding: chunked
Server: Jetty(6.1.26)

{"ContentSummary":{"directoryCount":0,"fileCount":1,"length":88,"quota":-1,"spaceConsumed":88,"spaceQuota":-1}}beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

10. Get Home Directory

curl -i "<http://localhost:50070/webhdfs/v1/test?op=GETHOMEDIRECTORY>"

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ curl -i "http://localhost:50070/webhdfs/v1/test?op=GETHOMEDIRECTORY"
HTTP/1.1 200 OK
Content-Type: application/json
Transfer-Encoding: chunked
Server: Jetty(6.1.26)

{"Path":"/user/beaver"}beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$
```

11. 查看创建的目录

bin/hadoop fs -lsr /test

```
beaver@beaver-inter1:~/deploy/hadoop-1.2.1-new$ bin/hadoop fs -lsr /test
Warning: $HADOOP_HOME is deprecated.

16/08/11 17:08:46 INFO hdfs.DFSClient: DFSClient, token:eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJjbGZcyBvcmcuYXBhY2hlLmhhZG9vcC5mcy5Gc1NoZWxsIiwiaWF0IjE0NzA5MDY1MjZ9.zR9kZOp-vPGRJAdL_Fz0lcn175zlccQyaGswM7dFE-0
-rw-r--r--    1 beaver supergroup      88 2016-08-11 16:52 /test
```