

```
[hdfs@phdns02 ~]$ hdfs dfs -setrep -w 10 /tmp^C
[hdfs@phdns02 ~]$ hdfs dfs -mkdir /tmp/rep
[hdfs@phdns02 ~]$ cat > test.text
aa
aa
aa
aa
[hdfs@phdns02 ~]$ hdfs dfs -put test.text /tmp/rep
[hdfs@phdns02 ~]$
```

```
[hdfs@phdns01 ~]$ hadoop fsck /tmp/rep
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
```

```
Connecting to namenode via http://phdns01.cloud.hortonworks.com:50070/
fsck?ugi=hdfs&path=%2Ftmp%2Frep
FSCK started by hdfs (auth:SIMPLE) from /172.24.64.98 for path /tmp/
rep at Sun Dec 13 16:09:18 PST 2015
.Status: HEALTHY
Total size: 12 B
Total dirs: 1
Total files: 1
Total symlinks: 0
Total blocks (validated): 1 (avg. block size 12 B)
Minimally replicated blocks: 1 (100.0 %)
Over-replicated blocks: 0 (0.0 %)
Under-replicated blocks: 0 (0.0 %)
Mis-replicated blocks: 0 (0.0 %)
Default replication factor: 1
Average block replication: 1.0
Corrupt blocks: 0
Missing replicas: 0 (0.0 %)
Number of data-nodes: 2
Number of racks: 1
FSCK ended at Sun Dec 13 16:09:18 PST 2015 in 1 milliseconds
```

```
The filesystem under path '/tmp/rep' is HEALTHY
[hdfs@phdns01 ~]$
```

```
hdfs@phdns02 ~]$ hdfs dfs -setrep -w 10 /tmp/rep
Replication 10 set: /tmp/rep/test.text
Waiting for /tmp/rep/test.text .....
```

```
[hdfs@phdns01 ~]$ hadoop fsck /tmp/rep
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Connecting to namenode via http://phdns01.cloud.hortonworks.com:50070/
fsck?ugi=hdfs&path=%2Ftmp%2Frep
FSCK started by hdfs (auth:SIMPLE) from /172.24.64.98 for path /tmp/
rep at Sun Dec 13 16:10:17 PST 2015
.

/tmp/rep/test.text: Under replicated
BP-301214548-172.24.64.98-1447961741360:blk_1073743920_3117. Target
Replicas is 10 but found 2 live replica(s), 0 decommissioned
replica(s) and 0 decommissioning replica(s).
Status: HEALTHY
  Total size: 12 B
  Total dirs: 1
  Total files: 1
  Total symlinks: 0
  Total blocks (validated): 1 (avg. block size 12 B)
  Minimally replicated blocks: 1 (100.0 %)
  Over-replicated blocks: 0 (0.0 %)
  Under-replicated blocks: 1 (100.0 %)
  Mis-replicated blocks: 0 (0.0 %)
  Default replication factor: 1
  Average block replication: 2.0
  Corrupt blocks: 0
  Missing replicas: 8 (80.0 %)
  Number of data-nodes: 2
  Number of racks: 1
FSCK ended at Sun Dec 13 16:10:17 PST 2015 in 1 milliseconds
```

```
The filesystem under path '/tmp/rep' is HEALTHY
[hdfs@phdns01 ~]$
```

```
[hdfs@phdns02 ~]$ hdfs dfs -setrep -w 1 /tmp/rep
Replication 1 set: /tmp/rep/test.text
Waiting for /tmp/rep/test.text ...
WARNING: the waiting time may be long for DECREASING the number of
replications.
. done
[hdfs@phdns02 ~]$
```

```
[hdfs@phdns01 ~]$ hadoop fsck /tmp/rep
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
```

```
Connecting to namenode via http://phdns01.cloud.hortonworks.com:50070/
```

```
fsck?ugi=hdfs&path=%2Ftmp%2Frep
FSCK started by hdfs (auth:SIMPLE) from /172.24.64.98 for path /tmp/
rep at Sun Dec 13 16:18:45 PST 2015
.Status: HEALTHY
  Total size: 12 B
  Total dirs: 1
  Total files: 1
  Total symlinks: 0
  Total blocks (validated): 1 (avg. block size 12 B)
  Minimally replicated blocks: 1 (100.0 %)
  Over-replicated blocks: 0 (0.0 %)
  Under-replicated blocks: 0 (0.0 %)
  Mis-replicated blocks: 0 (0.0 %)
  Default replication factor: 1
  Average block replication: 1.0
  Corrupt blocks: 0
  Missing replicas: 0 (0.0 %)
  Number of data-nodes: 2
  Number of racks: 1
FSCK ended at Sun Dec 13 16:18:45 PST 2015 in 2 milliseconds
```

The filesystem under path '/tmp/rep' is HEALTHY
[hdfs@phdns01 ~]\$

```
[hdfs@phdns02 ~]$ hdfs dfs -setrep -w 2 /tmp/rep
Replication 2 set: /tmp/rep/test.text
Waiting for /tmp/rep/test.text ....
[hdfs@phdns02 ~]$
```

```
[hdfs@phdns01 ~]$ hadoop fsck /tmp/rep
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
```

```
Connecting to namenode via http://phdns01.cloud.hortonworks.com:50070/
fsck?ugi=hdfs&path=%2Ftmp%2Frep
FSCK started by hdfs (auth:SIMPLE) from /172.24.64.98 for path /tmp/
rep at Sun Dec 13 16:19:25 PST 2015
.
/tmp/rep/test.text: Under replicated
BP-301214548-172.24.64.98-1447961741360:blk_1073743920_3117. Target
Replicas is 2 but found 1 live replica(s), 0 decommissioned replica(s)
and 0 decommissioning replica(s).
.Status: HEALTHY
  Total size: 12 B
  Total dirs: 1
  Total files: 1
  Total symlinks: 0
  Total blocks (validated): 1 (avg. block size 12 B)
```

```
Minimally replicated blocks: 1 (100.0 %)
Over-replicated blocks: 0 (0.0 %)
Under-replicated blocks: 1 (100.0 %)
Mis-replicated blocks: 0 (0.0 %)
Default replication factor: 1
Average block replication: 1.0
Corrupt blocks: 0
Missing replicas: 1 (50.0 %)
Number of data-nodes: 2
Number of racks: 1
FSCK ended at Sun Dec 13 16:19:25 PST 2015 in 1 milliseconds
```

```
The filesystem under path '/tmp/rep' is HEALTHY
[hdfs@phdns01 ~]$
```

```
[hdfs@phdns02 ~]$ hdfs dfs -setrep -w 4 /tmp/rep
Replication 4 set: /tmp/rep/test.text
Waiting for /tmp/rep/test.text .....
```

```
[hdfs@phdns01 ~]$ hadoop fsck /tmp/rep
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
```

```
Connecting to namenode via http://phdns01.cloud.hortonworks.com:50070/
fsck?ugi=hdfs&path=%2Ftmp%2Frep
FSCK started by hdfs (auth:SIMPLE) from /172.24.64.98 for path /tmp/
rep at Sun Dec 13 16:20:02 PST 2015
.
/tmp/rep/test.text: Under replicated
BP-301214548-172.24.64.98-1447961741360:blk_1073743920_3117. Target
Replicas is 4 but found 2 live replica(s), 0 decommissioned replica(s)
and 0 decommissioning replica(s).
Status: HEALTHY
  Total size: 12 B
  Total dirs: 1
  Total files: 1
  Total symlinks: 0
  Total blocks (validated): 1 (avg. block size 12 B)
  Minimally replicated blocks: 1 (100.0 %)
  Over-replicated blocks: 0 (0.0 %)
  Under-replicated blocks: 1 (100.0 %)
  Mis-replicated blocks: 0 (0.0 %)
  Default replication factor: 1
  Average block replication: 2.0
  Corrupt blocks: 0
```

```
Missing replicas:      2 (50.0 %)
Number of data-nodes: 2
Number of racks:     1
FSCK ended at Sun Dec 13 16:20:02 PST 2015 in 178 milliseconds
```

```
The filesystem under path '/tmp/rep' is HEALTHY
[hdfs@phdns01 ~]$
```