

## Practice4\_2021105662\_홍예림

```
yenny@LAPTOP-H32FPHHG:~/hadoop$ bin/hadoop fsck input_notice -files -blocks
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Connecting to namenode via http://localhost:50070/fsck?ugi=yenny&files=1&blocks=1&path=%2Fuser%2Fyenny%2Finput_notice
FSCK started by yenny (auth:SIMPLE) from /127.0.0.1 for path /user/yenny/input_notice at Fri Apr 12 13:59:52 KST 2024
/user/yenny/input_notice 15415 bytes, 1 block(s): OK
0, BP-532263273-127.0.1.1-1712896648991:blk_1073741825_1001 len=15415 repl=1

Status: HEALTHY
Total size: 15415 B
Total dirs: 0
Total files: 1
Total symlinks: 0
Total blocks (validated): 1 (avg. block size 15415 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: 1
Number of racks: 1
FSCK ended at Fri Apr 12 13:59:52 KST 2024 in 2 milliseconds

The filesystem under path '/user/yenny/input_notice' is HEALTHY
```

### hdfs-site.xml 변경 전 – Default replication factor는 1

```
yenny@LAPTOP-H32FPHHG:~/hadoop$ bin/hadoop fsck practice -files -blocks
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Connecting to namenode via http://localhost:50070/fsck?ugi=yenny&files=1&blocks=1&path=%2Fuser%2Fyenny%2Fpractice
FSCK started by yenny (auth:SIMPLE) from /127.0.0.1 for path /user/yenny/practice at Fri Apr 12 14:08:35 KST 2024
/user/yenny/practice 15415 bytes, 1 block(s): Under replicated BP-532263273-127.0.1.1-1712896648991:blk_1073741826_1002
, Target Replicas is 3 but found 1 replica(s).
0, BP-532263273-127.0.1.1-1712896648991:blk_1073741826_1002 len=15415 repl=1

Status: HEALTHY
Total size: 15415 B
Total dirs: 0
Total files: 1
Total symlinks: 0
Total blocks (validated): 1 (avg. block size 15415 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: 3
Average block replication: 1.0
Corrupt blocks: 0
Missing replicas: 2 (66.666664 %)
Number of data-nodes: 1
Number of racks: 1
FSCK ended at Fri Apr 12 14:08:35 KST 2024 in 0 milliseconds

The filesystem under path '/user/yenny/practice' is HEALTHY
```

### hdfs-site.xml 변경 후 - Default replication factor는 3

```
yenny@LAPTOP-H32FPHHG:~/hadoop$ bin/hdfs getconf -confKey dfs.blocksize
67108864
```

### hdfs-site.xml 변경 후 – Blocksize는 64MB