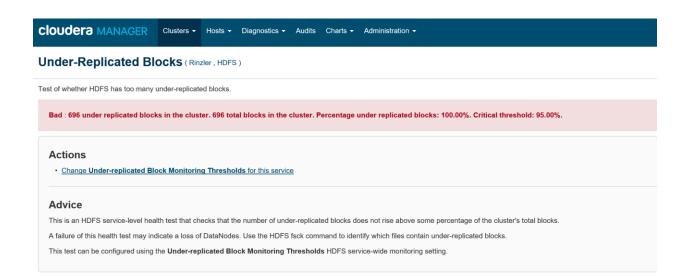
Under replicated BP-1644312318-10.255.239.50-1476701596879:blk\_1073742547\_1723.

Target Replicas is 3 but found 2 replica(s).

## Details in Cloudera Manager



## 1)Check status of each node

```
-bash-4.2$ hadoop dfsadmin -report
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
Configured Capacity: 106068868302 (98.78 GB)
Present Capacity: 86227573966 (80.31 GB)
DFS Remaining: 85054864590 (79.21 GB)
DFS Used: 1172709376 (1.09 GB)
DFS Used%: 1.36%
Under replicated blocks: 696
Blocks with corrupt replicas: 0
Missing blocks: 0
Missing blocks (with replication factor 1): 0
Live datanodes (2):
Name: 10.255.239.51:50010 (CloudData)
Hostname: CloudData
Rack: /default
Decommission Status : Normal
Configured Capacity: 49198587495 (45.82 GB)
DFS Used: 586354688 (559.19 MB)
Non DFS Used: 9678434304 (9.01 GB)
DFS Remaining: 38933798503 (36.26 GB)
DFS Used%: 1.19%
```

DFS Remaining%: 79.14%

Configured Cache Capacity: 4294967296 (4 GB)

Cache Used: 0 (0 B)

Cache Remaining: 4294967296 (4 GB)

Cache Used%: 0.00%

Cache Remaining%: 100.00%

Xceivers: 2

Last contact: Tue Oct 18 09:39:31 EEST 2016

Name: 10.255.239.52:50010 (CloudMan)

Hostname: CloudMan

Rack: /default

Decommission Status : Normal

Configured Capacity: 56870280807 (52.96 GB)

DFS Used: 586354688 (559.19 MB)

Non DFS Used: 10162860032 (9.46 GB)

DFS Remaining: 46121066087 (42.95 GB)

DFS Used%: 1.03%

DFS Remaining%: 81.10%

Configured Cache Capacity: 4294967296 (4 GB)

Cache Used: 0 (0 B)

Cache Remaining: 4294967296 (4 GB)

Cache Used%: 0.00%

Cache Remaining%: 100.00%

Xceivers: 2

Last contact: Tue Oct 18 09:39:31 EEST 2016

## 2) Check locations of file blocks

```
hadoop fsck / -files -locations
```

3) Check locations of file blocks containing rack information

```
hadoop fsck / -files -blocks racks
```

4) Script for changing the replication to 2

```
#!/bin/bash
CWD="/usr/bin/hadoop"
REPLICA=2
for hfile in $(    $CMD fsck / | grep 'Under replicated' | awk -F':' '{print $1}')
do
    echo "Changing replication in $hfile :";
    ${CWD} fs -setrep ${REPLICA} $hfile;
done
```

## 5) Check if it works

```
-bash-4.2$ hadoop dfsadmin -report | grep 'Under replicated blocks'
Under replicated blocks: 239
-bash-4.2$
```

Number keeps decreasing. Success! ☺