

hadoop3.0中使用纠删码

hbase集群

```
sudo -u hdfs hdfs ec -setPolicy -path /hbase_ssd -policy RS-6-3-1024k
sudo -u hdfs hdfs storagepolicies -setStoragePolicy -path /hbase_ssd -policy
One_SSD
```

hive集群

```
sudo -u hdfs hdfs ec -setPolicy -path / -policy RS-6-3-1024k
sudo -u hdfs hdfs ec -unsetPolicy -path /
sudo -u hdfs hdfs storagepolicies -setStoragePolicy -path / -policy One_SSD
```

参考：如何在CDH6.0中使用纠删码

<https://cloud.tencent.com/developer/article/1363393>

. 纠删码是以目录为单位的，一旦某个纠删码策略被启用后，你就可以为某个目录设置策略

```
[root@bigdata-2 presto-server-300]# hdfs ec
Usage: bin/hdfs ec [COMMAND]
[-listPolicies]
[-addPolicies -policyFile <file>]
[-getPolicy -path <path>]
[-removePolicy -policy <policy>]
[-setPolicy -path <path> [-policy <policy>] [-replicate]]
[-unsetPolicy -path <path>]
[-listCodecs]
[-enablePolicy -policy <policy>]
[-disablePolicy -policy <policy>]
[-help <command-name>]
```

测试代码

```
hadoop fs -mkdir /ec_xor
hdfs ec -getPolicy -path /ec_xor
hdfs ec -enablePolicy -policy XOR-2-1-1024k
hdfs ec -setPolicy -path /ec_xor -policy XOR-2-1-1024k
hdfs ec -getPolicy -path /ec_xor
hdfs ec -setPolicy -path /ec_xor -policy RS-10-4-1024k
hdfs ec -enablePolicy -policy RS-6-3-1024k
hdfs ec -setPolicy -path /ec_xor -policy RS-6-3-1024k
ll
vi ec_test.txt
hadoop fs -put ec_test.txt /ec_xor
hdfs ec -setPolicy -path /ec_xor_s -policy XOR-2-1-1024k
hdfs ec -setPolicy -path /ec_xor_m -policy XOR-2-1-1024k
hdfs ec -setPolicy -path /ec_xor_l -policy XOR-2-1-1024k
ll
hadoop fs -put mysql-connector-java-8.0.12-1.el7.noarch.rpm
/ec_xor
hadoop fs -put mysql-connector-java-8.0.12-1.el7.noarch.rpm
/ec_xor_s
hadoop fs -put mysql-connector-java-8.0.12-1.el7.noarch.rpm
/ec_xor_m
hadoop fs -put mysql-connector-java-8.0.12-1.el7.noarch.rpm
/ec_xor_l
hadoop fs -put Downloads.zip /ec_xor_s
hadoop fs -put 02 /ec_xor_s
hadoop fs -put Downloads.zip /ec_xor_l
hdfs fsck /ec_xor_s -files -blocks -locations
rz -E
hadoop fs -rmr /ec_xor_s/
hadoop fs -mkdir /ec_xor_s/
```

```
hdfs ec -setPolicy -path /ec_xor_s -policy XOR-2-1-1024k
hadoop fs -ls /ec_xor_m/D
hadoop fs -ls /ec_xor_m/
hadoop fs -rm -r /ec_xor_m/Downloads.zip
hadoop fs -rm -r /ec_xor_1/mysql-connector-java-8.0.12-
1.el7.noarch.rpm
ll
hadoop fs -put MTracer.zip /ec_xor_s
hdfs fsck /ec_xor_s -files -blocks -locations
hdfs fsck /ec_xor_m -files -blocks -locations
hdfs fsck /ec_xor_1 -files -blocks -locations
hdfs ec -getPolicy -path /tmp
hdfs ec -getPolicy -path /
hdfs ec -getPolicy -path /ec_xor
hadoop fs -ls /
hadoop fs -ls /user
hdfs ec -setPolicy -path /user/zhangsan
hdfs ec -getPolicy -path /user/zhangsan
hdfs ec -getPolicy -path /user/yarn
hdfs ec -getPolicy -path /user/zhangsan -policy XOR-2-1-1024k
hdfs ec -setPolicy -path /user/zhangsan -policy XOR-2-1-102
hdfs ec -getPolicy -path /user/yarn
hdfs ec -getPolicy -path /user/zhangsan
hadoop fs -ls 02 /user/zhangsan
hadoop fs -ls 02 /ec_xor_1
hadoop fs -du -h 0202 /ec_xor_1
```