x10000 增删主mds节点

存储配置　徐帆　2022-11-25 发表

配置步骤

通过ceph fs dump命令查询当前mds节点情况

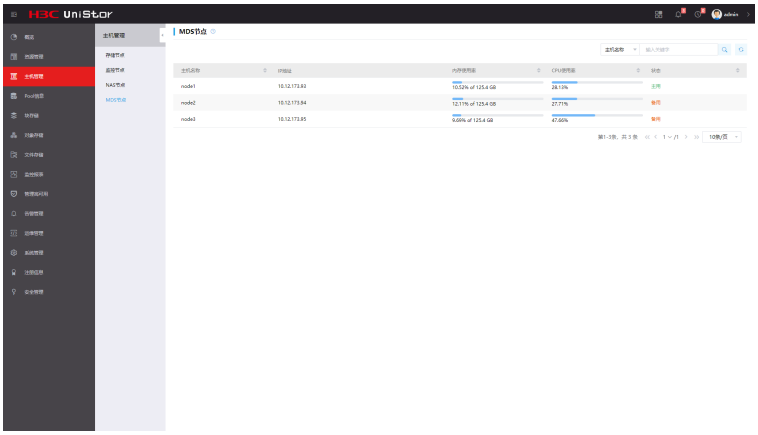
```
[root@node3 ~]# ceph fs dump
dumped fsmap epoch 17
e17
enable_multiple, ever_enabled_multiple: 0,0
compat: compat={},rocompat={},incompat={1=base v0.20,2=client writeable ranges,3=default file layouts on dirs,4=dir inode in separate object,5=mds uses versioned encoding,6=dirfrag is stored in omap,8=file layout v2}
legacy client fscid: 1

Filesystem 'CAPFS' (1)
fs_name CAPFS
epoch   16
flags   e
created 2022-09-06 11:40:40.939258
modified        2022-09-06 11:40:40.939258
tableserver     0
root    0
session_timeout 60
session_autoclose       300
max_file_size   70368744177664
last_failure    0
last_failure_osd_epoch  0
compat  compat={},rocompat={},incompat={1=base v0.20,2=client writeable ranges,3=default file layouts on dirs,4=dir inode in separate object,5=mds uses versioned encoding,6=dirfrag is stored in omap,8=file layout v2}
max_mds 1
in      0
up      {0=84837}
failed
damaged
stopped 1
data_pools      [2]
metadata_pool   1
inline_data     disabled
balancer
standby_count_wanted    2
84837:  192.168.100.131:6815/3087011677 'mds0' mds.0.5 up:active seq 5
tier_nodepool
nodepool_datapool       hostpool=[2]
nodepool_metadatapool   hostpool=[1]
pre_invalid_pool
tier_switch     0


Standby daemons:

84595:  192.168.100.133:6814/3302347154 'mds2' mds.-1.0 up:standby seq 2
2958448:        192.168.100.132:6814/558033766 'mds1' mds.-1.0 up:standby seq 2
```

Handy查看当前MDS节点



通过命令ceph mds set max_mds X　（X代表设置active mds个数）增加mds数量

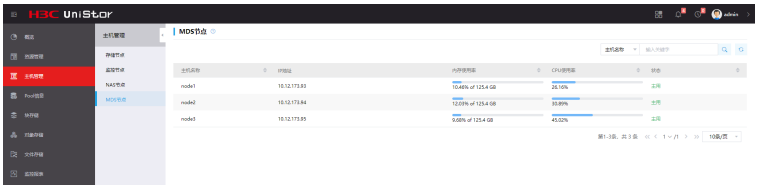
```
[root@node3 ~]# ceph mds set max_mds 3
```

查看mds状态，3个节点全部变成up active状态

```
[root@node3 ~]# ceph fs dump
dumped fsmap epoch 21
e21
enable_multiple, ever_enabled_multiple: 0,0
compat: compat={},rocompat={},incompat={1=base v0.20,2=client writeable ranges,3=default file layouts on dirs,4=dir inode in separate object,5=mds uses versioned encoding,6=dirfrag is stored in omap,8=file layout v2}
legacy client fscid: 1

Filesystem 'CAPFS' (1)
fs_name CAPFS
epoch   21
flags   e
created 2022-09-06 11:40:40.939258
modified        2022-09-06 11:40:40.939258
tableserver     0
root    0
session_timeout 60
session_autoclose       300
max_file_size   70368744177664
last_failure    0
last_failure_osd_epoch  0
compat  compat={},rocompat={},incompat={1=base v0.20,2=client writeable ranges,3=default file layouts on dirs,4=dir inode in separate object,5=mds uses versioned encoding,6=dirfrag is stored in omap,8=file layout v2}
max_mds 3
in      0,1,2
up      {0=84837,1=2958448,2=84595}
failed
damaged
stopped
data_pools      [2]
metadata_pool   1
inline_data     disabled
balancer
standby_count_wanted    2
84837:  192.168.100.131:6815/3087011677 'mds0' mds.0.5 up:active seq 5
2958448:        192.168.100.132:6814/558033766 'mds1' mds.1.19 up:active seq 64
84595:  192.168.100.133:6814/3302347154 'mds2' mds.2.19 up:active seq 20859
tier_nodepool
nodepool_datapool       hostpool=[2]
nodepool_metadatapool   hostpool=[1]
pre_invalid_pool
tier_switch     0
```

handy查看3个节点全部变为主用


H3C UniStor
admin
概览
资源管理
主机管理
Pool管理
块存储
对象存储
文件存储
监控报警
主机管理
存储节点
监控节点
NAS节点
MDS节点
MDS节点
主机名称
IP地址
内存使用率
CPU使用率
状态
node1
10.12.173.83
10.46% of 125.4 GB
26.16%
正常
node2
10.12.173.84
12.03% of 125.4 GB
39.89%
正常
node3
10.12.173.85
9.66% of 125.4 GB
45.02%
正常
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