

목차

Ceph - MDS Reporting Slow requests	3
문제	3
해결방법	3
참조링크	5

Ceph - MDS Reporting Slow requests

문제

- Ceph MDS가 slow request 로그가 발생하고 Ceph FS 클라이언트가 클러스터에 액세스할 수 없습니다.
- clients failing to respond to capability release 가 발생합니다.

```
[root@ceph-monitor ~]# ceph -s
cluster:
  id:          xxxxxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxx
  health: HEALTH_WARN
            3 clients failing to respond to capability release
            2 MDSs report slow requests
[root@ceph-monitor ~]# ceph health detail
MDS_SLOW_REQUEST 2 MDSs report slow requests
  mdsceph-mds0(mds.1): 6707 slow requests are blocked > 30 sec
  mdsceph-mds1(mds.0): 6659 slow requests are blocked > 30 sec

MDS_CLIENT_LATE_RELEASE 3 clients failing to respond to capability release
  mdsceph-mds1(mds.0): Client xxxxxxxxx:health_check failing to respond to
  capability releaseclient_id: 58094341
  mdsceph-mds1(mds.0): Client xxxxxxxxx:health_check failing to respond to
  capability releaseclient_id: 58345871
  mdsceph-mds1(mds.0): Client xxxxxxxxx:health_check failing to respond to
  capability releaseclient_id: 58412670
```

해결방법

1. 현재 상태를 확인합니다.

```
# ceph health detail
HEALTH_WARN 3 clients failing to respond to capability release; 2 MDSs
report slow requests
MDS_CLIENT_LATE_RELEASE 3 clients failing to respond to capability release
  mdsceph-mds1(mds.0): Client 123456789:health_check failing to respond to
  capability releaseclient_id: 5555555
  mdsceph-mds1(mds.0): Client 123456789:health_check failing to respond to
  capability releaseclient_id: 5555554
  mdsceph-mds1(mds.0): Client 123456789:health_check failing to respond to
  capability releaseclient_id: 5555553
MDS_SLOW_REQUEST 2 MDSs report slow requests
  mdsceph-mds0(mds.1): 6707 slow requests are blocked > 30 sec
  mdsceph-mds1(mds.0): 6659 slow requests are blocked > 30 sec
```

```
# ceph -s
  health: HEALTH_WARN
        3 clients failing to respond to capability release
        2 MDSs report slow requests
```

2. 위 내용에서처럼 문제가 발생한 MDS가 식별되면(여기서는 mds.0) 중단된 작업을 포함하는 MDS의 dump_ops_in_flight 내용을 덤프합니다. 덤프에서 client.123456789가 rdlock에 실패하여 대기 중인 잠금을 획득하지 못하는 중단된 작업을 가지고 있음을 알 수 있습니다.

```
# ceph daemon mds.0 dump_ops_in_flight
{
  "ops": [
    {
      "description": "client_request(client.123456789:12 lookup
#0x1/health_check 2018-03-30 14:28:21.223159 caller_uid=1001,
caller_gid=994{})",
      "initiated_at": "2018-03-30 14:28:21.223897",
      "age": 248958.400523,
      "duration": 248958.400541,
      "type_data": {
        "flag_point": "failed to rdlock, waiting",
        "reqid": "client.123456789:12",
        "op_type": "client_request",
        "client_info": {
          "client": "client.123456789",
          "tid": 12
        },
      },
      "events": [
        {
          "time": "2018-03-30 14:28:21.223897",
          "event": "initiated"
        },
        {
          "time": "2018-03-30 14:28:21.224145",
          "event": "failed to rdlock, waiting"
        }
      ]
    }
  ]
}
```

3. 클라이언트가 식별되면(이 경우 client.123456789) mds에 연결된 현재 세션을 나열할 수 있습니다. session ls에서 오작동하는 연결된 클라이언트가 ceph version 10.2.7을 실행하고 있음을 볼 수 있습니다.

```
# ceph daemon mds.0 session ls
{
  "id": 123456789,
  "num_leases": 0,
  "num_caps": 1,
  "state": "open",
  "replay_requests": 0,
```

```
"completed_requests": 0,  
"reconnecting": false,  
"inst": "client.123456789 1.2.3.4:0/1111111111",  
"client_metadata": {  
  "ceph_sha1": "50e863e0f4bc8f4b9e31156de690d765af245185",  
  "ceph_version": "ceph version 10.2.7  
(50e863e0f4bc8f4b9e31156de690d765af245185)",  
  "entity_id": "P00L",  
  "hostname": "ip-1.2.3.4",  
  "mount_point": "/home/sc/mnt/ceph",  
  "root": "/"  
}
```

문제가 된 클라이언트를 종료하거나 제거하여 문제를 해결하고 MDS에서 중단된 작업을 지웁니다.

```
# ceph tell mds.0 client evict id=123456789
```

참조링크

- <https://access.redhat.com/solutions/3399771>
- <https://access.redhat.com/solutions/6979804>

From:

<https://atl.kr/dokuwiki/> - AllThatLinux!

Permanent link:

https://atl.kr/dokuwiki/doku.php/ceph_-_mds_reporting_slow_requests

Last update: **2023/01/11 06:48**

