## ♣ 49. RAC 환경에서 발생하는 SQ enqueue 성능 문제 해결하는 방법 1 (nocache 일 때)

```
실습 1. 환경 구성
(sql 1)
drop user owi cascade;
drop tablespace owi_tbs including contents and datafiles;
alter system set db_recovery_file_dest_size=30G;
(1번 노드 rman)
delete backup;
delete copy;
backup database;
(sql 1)
@install
+data
실습 2. sequence 속성 nocache 성능 테스트
1. owi 유저가 가지고 있는 sequence를 확인하고 속성을 조회하시오.
(sql 1 owi)
select sequence_name, cache_size, order_flag
from user_sequences;
```

```
alter sequence seq_sq_enqueue nocache;
select sequence_name, cache_size, order_flag
from user_sequences;
```

```
2. lock 관련한 대기 이벤트로 대기하는 세션을 조회한다.
(sql 1 owi)
select sid, event
from gv$session_wait
where event like '%lock%'
or event like '%enqueue%';
```

```
racdb1(OWI) > select sid, event
from gv$session_wait
where event like '%lock%'
or event like '%enqueue%'; 2 3 4
no rows selected
```

```
Scenario List

dfs_lock_handle
generic

13 rows selected.

Elapsed: 00:00:00.10
Event name to simulate: sq_enqueue
Session count [10]:
Expired by time(1) or looping count(2) [1]:
Execution internval(sec or count) [30]:
Enable_trace (1=TRUE, 0=FALSE) [0]:
Exec method(0=0racle Job, 1=Unix Shell) [0]:
Init data(1=TRUE, 0=FALSE) [1]:

PL/SQL procedure successfully completed.

Elapsed: 00:00:00.07

PL/SQL procedure successfully completed.

Elapsed: 00:00:00.63
racdb1(0WI) > racdb1(0WI) >
racdb1(0WI) >
```

```
from gv$session_wait
where event like '%lock%'
or event like '%enqueue%'; 2 3
no rows selected
 acdb1(OWI) > select sid, event
from gv$session_wait where event like '%lock%'
or event like '%enqueue%'; 2 3 4
       SID EVENT
        15 row cache lock
        16 row cache lock
       129 row cache lock
       137 row cache lock
       141 row cache lock
       257 row cache lock
       259 row cache lock
       371 row cache lock
       373 row cache lock
       375 row cache lock
10 rows selected.
```

2

create sequence seq\_sq\_enqueue
start with 1
maxvalue 10000
increment by 1
nocache
order;

=> 위와 같이 sequence를 생성하면 은행에 갔는데 많은 사람들이 번호표 기계 앞에서 다투고 있는 상황이 된다. 그러지 않은 상황이 되려면 nocache가 아니라 cache로 해줘야 한다.