

## 12.2: Drop Materialized View Is Very Slow or Hangs (Doc ID 2401976.1)

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### APPLIES TO:

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Oracle Database Cloud Service - Version N/A and later  
Oracle Database - Enterprise Edition - Version 12.2.0.1 and later  
Oracle Database Cloud Schema Service - Version N/A and later  
Oracle Database Exadata Express Cloud Service - Version N/A and later  
Gen 1 Exadata Cloud at Customer (Oracle Exadata Database Cloud Machine) - Version N/A and later  
Information in this document applies to any platform.

### SYMPTOMS

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Enabling 10046 trace for the 'drop mview' command shows high waits for the following query which actually does Delete operation on this table - "SYS.MVREF\$\_CHANGE\_STATS"

```
DELETE FROM SYS.MVREF$_CHANGE_STATS
WHERE
REFRESH_ID = :B2 AND MV_OBJ# = :B1;
```

### CHANGES

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This is because, Up to 11g, there was no usage tracking for MVIEW operations. But, starting from 12.2, the usage tracking for MVIEW operations is implemented.

### CAUSE

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The issue is seen because of 28112671. However, Bug 30083002 is a regression from 28112671.

The delete statement on table "SYS.MVREF\$\_CHANGE\_STATS" goes for a FULL table scan and if there are millions of entries in the table, then it would cause severe slowness.

```
DELETE FROM SYS.MVREF$_CHANGE_STATS
WHERE
REFRESH_ID = :B2 AND MV_OBJ# = :B1
```

### SOLUTION

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As a Workaround, You can perform the below steps.

-- If refresh-stats are not needed, it is fine to truncate the following tables:

```
truncate table mvref$_stats;
truncate table mvref$_run_stats;
```

```
truncate table mvref$_change_stats;  
truncate table mvref$_stmt_stats;
```

-- To turn off refresh-stats collection:

```
exec dbms_mview_stats.set_system_default('COLLECTION_LEVEL', 'NONE');  
select * from user_mvref_stats_sys_defaults;
```

Please note that the patch# 30083002 is superseded by the patch# 30994996

## REFERENCES

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Didn't find what you are looking for?