

How To Cleanup Db_feature_usage_statistics And Related Views after RMAN Duplicate Command (Doc ID 2309885.1)

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APPLIES TO:

Oracle Database - Enterprise Edition - Version 12.2.0.1 and later
Information in this document applies to any platform.

SYMPTOMS

Problem Summary

Cleanup original source database DBID related data after cloning

Problem Description

After cloning a database, we want to cleanup original source DBID data entries from showing in DBA_FEATURE_USAGE_STATISTICS.

```
SQL> select dbid, count(*) from dba_feature_usage_statistics group by dbid;
DBID COUNT(*)
```

```
=====
1108995897      153
1409474622      357
```

Also, MOS NoteId 1251795.1 was applied but did not clear the content of the following tables;

```
wri$_dbu_usage_sample
wri$_dbu_feature_usage
wri$_dbu_high_water_mark
wri$_dbu_cpu_usage
wri$_dbu_cpu_usage_sample
```

CAUSE

This is a known issue. Using a where clause for dbid is the workaround.
Workaround unacceptable for databases being delivered to their customer.

SOLUTION

To resolve you must manually delete from the tables as shown below. This will not have any negative impact on the database.

There is 1 bug closed as expected behavior, not a bug. and an enhancement request.
BugDB:26372304 , 15 Enhancement Req. Updated: 30-Jun-2017
BugDB:13887295 , 32 Not a Bug. To Filer, Updated: 07-Jun-2017

TESTCASE:

- dba_feature_usage_statistics
- wri\$_dbu_usage_sample
- wri\$_dbu_feature_usage
- wri\$_dbu_high_water_mark
- wri\$_dbu_cpu_usage
- wri\$_dbu_cpu_usage_sample

```
select dbid,count(*) from DBA_FEATURE_USAGE_STATISTICS group by dbid;
select dbid,count(*) from wri$_dbu_usage_sample group by dbid;
select dbid,count(*) from wri$_dbu_feature_usage group by dbid;
select dbid,count(*) from wri$_dbu_high_water_mark group by dbid;
select dbid,count(*) from wri$_dbu_cpu_usage group by dbid;
select dbid,count(*) from wri$_dbu_cpu_usage_sample group by dbid;
```

```
DBID COUNT(*)
-----
1885612174 156
2184132899 156
```

```
delete from DBA_FEATURE_USAGE_STATISTICS where dbid=2184132899;
delete from wri$_dbu_usage_sample where dbid=2184132899;
```

```
delete from wri$_dbu_feature_usage where dbid=2184132899;
delete from wri$_dbu_high_water_mark where dbid=2184132899;
delete from wri$_dbu_cpu_usage where dbid=2184132899;
delete wri$_dbu_cpu_usage_sample where dbid=2184132899;
```

```
SQL> delete from DBA_FEATURE_USAGE_STATISTICS where dbid=2184132899;
```

156 rows deleted.

```
SQL> shutdown immediate
ORA-01097: cannot shutdown while in a transaction - commit or rollback first
SQL> commit;
```

Commit complete.

```
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup
ORACLE instance started.
```

```
Total System Global Area 271437824 bytes
Fixed Size 2227456 bytes
Variable Size 213910272 bytes
Database Buffers 50331648 bytes
Redo Buffers 4968448 bytes
Database mounted.
Database opened.
```

```
SQL> select dbid,count(*) from DBA_FEATURE_USAGE_STATISTICS group by dbid;
```

```
DBID COUNT(*)
-----
1885612174 156
```

```
SQL> select dbid,count(*) from DBA_FEATURE_USAGE_STATISTICS group by dbid;
```

```
DBID COUNT(*)
-----
```

1885612174 156

SQL> select dbid,count(*) from DBA_FEATURE_USAGE_STATISTICS group by dbid;

```
DBID COUNT(*)
-----
1885612174 156
```

SQL> select dbid,count(*) from wri\$_dbu_usage_sample group by dbid;

```
DBID COUNT(*)
-----
1885612174 1
2184132899 1
```

SQL> delete from wri\$_dbu_usage_sample where dbid=2184132899;

1 row deleted.

SQL> select dbid,count(*) from wri\$_dbu_usage_sample group by dbid;

```
DBID COUNT(*)
-----
1885612174 1
```

SQL> commit;

Commit complete.

RMAN> backup check logical validate database;

File Status Marked Corrupt Empty Blocks Blocks Examined High SCN

```
-----
1 OK 0 14652 94760 3943594
```

File Name: /emea/bde/64bit/app/oracle/oradata/MAR1/MAR1/datafile/o1_mf_system_02r009ap_.dbf

Block Type Blocks Failing Blocks Processed

```
-----
Data 0 62636
Index 0 14345
Other 0 3087
```

File Status Marked Corrupt Empty Blocks Blocks Examined High SCN

```
-----
2 OK 0 23676 75524 3943592
```

File Name: /emea/bde/64bit/app/oracle/oradata/MAR1/MAR1/datafile/o1_mf_sysaux_03r009bs_.dbf

Block Type Blocks Failing Blocks Processed

```
-----
Data 0 13343
Index 0 10327
Other 0 28174
```

REFERENCES

[NOTE:2039369.1](#) - Using DBMS_SWRF_INTERNAL.UNREGISTER_DATABASE to Unregister a Cloned DBID Raises "ORA-13553: operation failed - missing parameter [SRCDPID]"

[NOTE:1251795.1](#) - How to Remove Workload Repository Information Related to an old DBID From the Automatic Workload Repository

[NOTE:459837.1](#) - How To Verify Which Database Features are Used

[NOTE:329984.1](#) - Usage and Storage Management of SYSAUX tablespace occupants SM/AWR, SM/ADVISOR, SM/OPTSTAT and SM/OTHER

[BUG:13887295](#) - RMAN DUPLICATE "DBA_FEATURE_USAGE_STATISTICS" IS NOT RESET IN DUPLICATED DB
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