

Known RMAN Bugs in Oracle9i (Doc ID 227398.1)

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Known Bugs related to RMAN in Oracle9i

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PURPOSE

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The purpose of this document is to highlight the most common bugs affecting RMAN with Oracle9i.

Bug:1260760 RMAN-6004, ORA-1455 (INTEGER OVERFLOW) DUE TO LARGE KEYS IN RECOVERY CATALOG

Problem:

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Issuing List Backup set or Report Obsolete against the Recovery Catalog Database returns the following:

RMAN-6004: ORACLE error from recovery catalog database: ORA-1455: converting column overflows integer datatype

You are hitting this bug only if RMAN\_SEQ in the recovery catalog is bigger than UB4MAXVAL (usually  $2^{32} - 1$ , or 4,294,967,295)

SQL> select rman\_seq.nextval from dual ;

```
.
  NEXTVAL
-----
6000000179
```

Fixed in : 10i

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Workarounds:

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Start over by creating a brand-new recovery catalog, and register all of your target databases again. That will capture whatever recovery metadata is still in the controlfiles of those target databases. In the meantime, you may be able to use the "nocatalog" option, assuming that the metadata you need is still in the controlfile, and within the keep time that is set by the init.ora parameter called CONTROL\_FILE\_RECORD\_KEEP\_TIME.

Bug:2665255 RMAN-6004 ORA-1455 WHEN PROCESSING BACKUP PIECES TAKEN DURING DST  
Bug:2688916 ORA-1455 DELETING BACKUPSET CREATED DURING DAYLIGHT SAVINGS TIME SWITCH

Problem:  
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If you have backups running during daylight saving time switch back, where the time is turned back one hour, the completion time can then be before the start time, and this will cause the RMAN application to fail during processing of the resultset involving that piece.

Known commands to fail are:
List backup;
List backup of database;
Crosscheck backup;
Crosscheck backup of database;
Report unrecoverable;
Report need backup;
Report obsolete;

Workarounds:
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Delete the backup piece.

Bug:2458246 RMAN WRONGLY THINKS BACKUPS WITH SPFILE ARE OBSOLETE

Problem:  
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If you have RMAN backups that include the SPFILE, and you do either REPORT OBSOLETE or DELETE OBSOLETE with RMAN, then RMAN might incorrectly report or delete certain backups as obsolete, even if they weren't.

Workarounds:
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- 1) Don't use the SPFILE ..instead use the init.ora parameter f
- 2) Include in your scripts...  
RMAN> backup current controlfile;  
This will add the controlfile in a different piece handle than the autobackup command.
- 3) Don't use the autobackup command. (set OFF)

Fixed in: 9.2.0.2 and 10i  
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Bug:2498286 RMAN: LIST BACKUP DOES NOT SHOW BOTH CONTROLFILE AND SPFILE

Problem:

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If a backupset contains both controlfile and spfile, because you have configured autobackups and started the instance from an SPFILE, then the RMAN LIST command does not show that the backupsets contain both controlfile and spfile.

Fixed in: 10i

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Bug:2534017 DELETE/REPORT OBSOLETE WRONGLY LISTS BACKUPSET IF IT CONTAINS READ-ONLY TBS

Problem:

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A DELETE / REPORT OBSOLETE command with a window may wrongly list BACKUPS as OBSOLETE if a BACKUP SET contains both read-only (or OFFLINE) tablespaces as well as read-write tablespaces.

Workarounds:

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1. Avoid using DELETE/REPORT OBSOLETE with a recovery window, and use REDUNDANCY instead.
2. Another workaround is to make sure that each read-only and offline tablespace is in its own backup sets. In other words, avoid mixing read-only and offline tablespaces with read-write ones in the same backup set.

Fixed in: 10i

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Patches available for Solaris and AIX against 9.2.0.2

Bug:1645903 CREATE/UPGRADE CATALOG TO 8.1.7 (OR LOWER VERSIONS) IN 9I DATABASE FAILS

Problem:

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Create/Upgrade catalog to 8.1.7 or lower version in 9i database, fails with PLS-593 default value of parameter "AVAILABLE" in body must match that of spec

Workaround:

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Set the following event in 9i database as  
SQL> alter system set events '10932 trace name context level 32768';

Then invoke 8.1.7 RMAN executable - connect to 9i catalog database  
RMAN> create catalog;  
Above event will make PLSQL to ignore the errors.

Bug:2554861/2507049 ORA-60 DEADLOCK DOING RMAN BACKUP, DURING DBMS\_RCVCAT.SANITYCHECK

Problem:  
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Intermittent ORA-60 occurred during call to DBMS_RCVCAT.SANITYCHECK when backup many databases at the same time. This could happen whether the resync was explicit or implicit.

Workaround:
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Repeat the operation, and it will most likely succeed.  
Or, use multiple RMAN recovery catalogs.  
Or, avoid using RMAN concurrently for different databases.

Fixed in: 10i  
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Bug:2496592 PLS-306, RMAN-6099 DURING LEVEL 1 RMAN BACKUP

Problem:
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If target and RMAN executable are 8.1.7.4 and catalog schema is 9.0.1.3, level 1 backup will fail.

Workaround:  
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This is not a bug.
User must use catalog schema 8.1.7.4 or >=9.0.1.4 or 9.2.
See compatibility matrix in Note: 73431.1.

Bug:2098163 BACKUP DOES NOT WORK IF DB_BLOCK_SIZE IS NOT BINARY MULTIPLE OF 2K

Problem:
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If database block size is not multiple of 2048 (for example not 2048, 4096, 8192...) then RMAN backup fails the following error:  
ORA-19500: device block size 65536 is invalid

Workaround:  
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Create all tablespaces using a db_block_size multiple of 2048.

Fixed in : 9.2
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