**ORA-19554: error allocating device, device type: *string*, device name: *string***

**Cause:** The specified device could not be allocated.

**Action:** One or more other messages should be displayed to help pinpoint the cause of the error. Correct the error and retry the allocation.

**ORA-27211: Failed to load Media Management Library**

**Cause:** User-supplied SBT\_LIBRARY or libobk.so could not be loaded. Call to dlopen for media library returned error. See Additional information for error code.

**Action:** Retry the command with proper media library. Or re-install Media management module for Oracle.

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| **ORA-27211 on tape device when no media manager is used (Doc ID 335726.1)** | [[To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=197qfn2y58_9&_afrLoop=87253681002812)To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=197qfn2y58_9&_afrLoop=87253681002812) | https://support.oracle.com/epmos/adf/images/t.gif |
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**In this Document**

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|  | [Symptoms](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=197qfn2y58_9&_afrLoop=87253681002812#SYMPTOM) |

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|  | [Cause](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=197qfn2y58_9&_afrLoop=87253681002812#CAUSE) |

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|  | [Solution](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=197qfn2y58_9&_afrLoop=87253681002812#FIX) |

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|  | [References](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=197qfn2y58_9&_afrLoop=87253681002812#REF) |

**APPLIES TO:**

Oracle Database - Enterprise Edition - Version 10.1.0.4 and later  
Information in this document applies to any platform.  
\*\*\*Checked for relevance on 17-May-2013\*\*\*

**SYMPTOMS**

RMAN returning error on delete although all backups are on disk:  
RMAN-03002: failure of delete command at 09/12/2005 08:44:27  
ORA-19554: error allocating device, device type: SBT\_TAPE, device name:  
ORA-27211: Failed to load Media Management Library  
  
Script output posted to the tar verifies issue by displaying error:  
RMAN-03002: failure of delete command at 09/12/2005 08:44:27  
ORA-19554: error allocating device, device type: SBT\_TAPE, device name:  
ORA-27211: Failed to load Media Management Library

**CAUSE**

Bug.4338664 EM DBCONSOLE DEFAULTS TO SBT\_TAPE REGARDLESS OF RMAN SETTINGS - closed as not a bug  
Bug.4232557 DELETE OBSOLETE FAILS WITH ORA-27211 WHEN DEVICE TYPE 'SBT\_TAPE' IS CONFIGURED -closed as not a bug  
  
Issuing a SHOW ALL in RMAN shows a tape device is configured (Bug 4338664). Thus the 'delete obsolete' will fail (bug 4232557).

**SOLUTION**

To implement the solution, please execute the following steps:  
  
1. Explicity allocate a channel with the delete:  
ALLOCATE CHANNEL FOR MAINTENANCE DEVICE TYPE DISK;

2. Configure CHANNEL device type 'SBT\_TAPE' clear; (bug 4232557)

**REFERENCES**

[BUG:4232557](https://support.oracle.com/epmos/faces/BugDisplay?id=4232557) - DELETE OBSOLETE FAILS WITH ORA-27211 WHEN DEVICE TYPE 'SBT\_TAPE' IS CONFIGURED  
[BUG:4232557](https://support.oracle.com/epmos/faces/BugDisplay?id=4232557) - DELETE OBSOLETE FAILS WITH ORA-27211 WHEN DEVICE TYPE 'SBT\_TAPE' IS CONFIGURED  
[BUG:4338664](https://support.oracle.com/epmos/faces/BugDisplay?id=4338664) - EM DBCONSOLE DEFAULTS TO SBT\_TAPE REGARDLESS OF RMAN SETTINGS  
[NOTE:312558.1](https://support.oracle.com/epmos/faces/DocumentDisplay?id=312558.1) - Database Backup/Recovery link for ''Manage Current Backups'' is missing

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| **Bug 4232557 : DELETE OBSOLETE FAILS WITH ORA-27211 WHEN DEVICE TYPE 'SBT\_TAPE' IS CONFIGURED** | | |  |  |  |  | | --- | --- | --- | --- | | [Click to add to Favorites](https://support.oracle.com/epmos/faces/BugDisplay?_afrWindowId=197qfn2y58_6&_afrLoop=87667609519291&id=4232557&_afrWindowMode=0&_adf.ctrl-state=197qfn2y58_209)https://support.oracle.com/epmos/adf/images/t.gif | [Email link to this document](https://support.oracle.com/epmos/faces/BugDisplay?_afrWindowId=197qfn2y58_6&_afrLoop=87667609519291&id=4232557&_afrWindowMode=0&_adf.ctrl-state=197qfn2y58_209)https://support.oracle.com/epmos/adf/images/t.gif | [Printable Page](https://support.oracle.com/epmos/faces/BugDisplay?_afrWindowId=197qfn2y58_6&_afrLoop=87667609519291&id=4232557&_afrWindowMode=0&_adf.ctrl-state=197qfn2y58_209)https://support.oracle.com/epmos/adf/images/t.gif | [[To Bottom](https://support.oracle.com/epmos/faces/BugDisplay?_afrWindowId=197qfn2y58_6&_afrLoop=87667609519291&id=4232557&_afrWindowMode=0&_adf.ctrl-state=197qfn2y58_209)To Bottom](https://support.oracle.com/epmos/faces/BugDisplay?_afrWindowId=197qfn2y58_6&_afrLoop=87667609519291&id=4232557&_afrWindowMode=0&_adf.ctrl-state=197qfn2y58_209)https://support.oracle.com/epmos/adf/images/t.gif | | |
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| **Type** | B - Defect | **Fixed in Product Version** |  |
| **Severity** | 3 - Minimal Loss of Service | **Product Version** | 10.1.0.3.0 |
| **Status** | 92 - Closed, Not a Bug | **Platform** | 453 - Oracle Solaris on SPARC (32-bit) |
| **Created** | 10-Mar-2005 | **Platform Version** | 5.8 |
| **Updated** | 18-Apr-2005 | **Base Bug** | N/A |
| **Database Version** | 10.1.0.3.0 | **Affects Platforms** | Generic |
| **Product Source** | Oracle |  |  |

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| **Line** | Oracle Database Products | **Family** | Oracle Database |
| **Area** | Oracle Database | **Product** | 5 - Oracle Database - Enterprise Edition |
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Hdr: 4232557 10.1.0.3.0 RDBMS 10.1.0.3.0 RMAN PRODID-5 PORTID-453 ORA-27211  
Abstract: DELETE OBSOLETE FAILS WITH ORA-27211 WHEN DEVICE TYPE 'SBT\_TAPE' IS CONFIGURED  
   
**\*\*\* 03/10/05 07:39 am \*\*\***  
TAR:  
----  
NA  
   
PROBLEM:  
--------  
DELETE OBSOLETE fails with errors  
RMAN-3009: failure of allocate command on ORA\_SBT\_TAPE\_1 channel at   
03/10/2005  
15:35:36  
RMAN-10032: unhandled exception during execution of job step 1:  
ORA-19624: operation failed, retry possible  
ORA-19554: error allocating device, device type: SBT\_TAPE, device name:  
ORA-27211: Failed to load Media Management Library  
Additional information: 2  
   
when only backups are made to DISK !!!  
   
DIAGNOSTIC ANALYSIS:  
--------------------  
Enabled debugging  which showed :  
   
DBGSQL:   EXEC SQL AT TARGET select count(\*)  into :b1  from v$backup\_piece   
wher  
e device\_type=:b2  
DBGSQL:      sqlcode=0  
DBGSQL:         :b1 = 0  
DBGSQL:         :b2 = "SBT\_TAPE"  
   
DBGSQL:   EXEC SQL AT TARGET select count(\*)  into :b1  from   
v$proxy\_datafiles  
   
V$PROXY\_DATAFILES is a NONE-existent view as it should be V$PROXY\_DATAFILE  
   
   
Checked the source code and noticed that this query is only  
executed when there is a DEVICE TYPE configuration other than DISK.  
   
WORKAROUND:  
-----------  
Clear the RMAN configuration for the DEVICE TYPE 'SBT\_TAPE'  
RMAN> configure device type 'SBT\_TAPE' clear;  
   
    delete obsolete;  
   
RELATED BUGS:  
-------------  
None  
   
REPRODUCIBILITY:  
----------------  
Reproducable at will in 10.1.0.2 and 10.1.0.3  
   
TEST CASE:  
----------  
RMAN> CONFIGURE DEVICE TYPE 'SBT\_TAPE' PARALLELISM 1 BACKUP TYPE TO   
BACKUPSET;  
      CONFIGURE DEFAULT DEVICE TYPE TO DISK;   
   
    delete obsolete;  
   
STACK TRACE:  
------------  
   
SUPPORTING INFORMATION:  
-----------------------  
Tracefile uploaded to ess30  
   
24 HOUR CONTACT INFORMATION FOR P1 BUGS:  
----------------------------------------  
   
DIAL-IN INFORMATION:  
--------------------  
   
IMPACT DATE:  
------------  
   
**\*\*\* 03/10/05 07:40 am \*\*\* (CHG: Sta->16)**  
**\*\*\* 03/21/05 10:36 pm \*\*\***   
**\*\*\* 03/23/05 02:15 am \*\*\* (CHG: Sta->32)**  
**\*\*\* 03/23/05 02:15 am \*\*\***  
**\*\*\* 04/18/05 04:46 am \*\*\* (CHG: Sta->92)**