
Server down: Oracle error 01022

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 18.01
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Description:

During the storm, the power surged and went out, bringing down the servers. The production server came back up, but the test server didn't. In the aleph_startup.log we see

```
Oracle error: handle_connection  
ORA-01033: ORACLE initialization or shutdown in progress  
Oracle not running !!!  
Oracle not running, aborting.
```

But we can see running Oracle server using util o /1, and the listener is running but the but the status for the server shows ERROR:ORA-01033: ORACLE initialization or shutdown in progress

In the clsc1047.log in /exlibris/app/oracle/product/102/log/zed2/client

```
SP2-0640: Not connected  
SP2-0640: Not connected  
Oracle Database 10g CRS Release 10.2.0.1.0 Production Copyright 1996, 2005 Oracle. All rights reserved.  
2010-04-29 07:16:25.167: [ OCROSD]  
utgdv:2:ocr loc file cannot be opened  
2010-04-29 07:16:25.167: [ OCROSD]  
location in config file  
2010-04-29 07:16:25.167: [ OCRRAW]  
proprinit: Could not open raw device  
2010-04-29 07:16:25.168: [ default]
```

```
2010-04-29 07:16:25.168: [ CSSCLNT]  
clssinit: error(33 ) in OCR initialization
```

[Later:]

I looked in /exlibris/app/oracle/admin/aleph0/bdump/ since that is our instance and it hadn't been updated. Just looked in /exlibris/app/oracle/admin/aleph18/bdump/ and found it had been altered, and has:

```
ALTER DATABASE OPEN  
Thu Apr 29 10:36:10 2010  
Beginning crash recovery of 1 threads  
parallel recovery started with 2 processes  
Thu Apr 29 10:36:10 2010  
Started redo scan  
Thu Apr 29 10:36:10 2010  
Errors in file /exlibris/app/oracle/admin/aleph18/udump/aleph18_ora_5033.trc:  
ORA-00600: internal error code, arguments: [kcratr1_lastbwr], [], [], [], [], [], []  
Thu Apr 29 10:36:11 2010  
Aborting crash recovery due to error 600
```

Thu Apr 29 10:36:11 2010

Errors in file /exlibris/app/oracle/admin/aleph18/udump/aleph18_ora_5033.trc:
ORA-00600: internal error code, arguments: [kcratr1_lastbwr], [], [], [], [], [], []
ORA-600 signalled during: ALTER DATABASE OPEN...

Thu Apr 29 14:20:03 2010

Starting ORACLE instance (normal)
Cannot determine all dependent dynamic libraries for /proc/self/exe
The open() system call failed for the file /proc/self/exe
Linux Error: 13: Permission denied
LICENSE_MAX_SESSION = 0
163,1 0%
Linux Error: 13: Permission denied

Resolution:

There are two KB records (8192-3639 and 8192-3143) which suggest that shutting down and restarting Oracle again eliminated these errors.

If that doesn't work, I suggest a "manual startup" with RECOVER, as described at http://avdeo.com/2008/03/31/ora-00600-internal-error-code-arguments-kcratr1_lastbwr/ :

Oracle is unable to perform instance recover but it works when is invoked manually.

Solution:

```
SQL> startup mount  
ORACLE instance started.
```

```
Total System Global Area 1073741824 bytes  
Fixed Size 1264916 bytes  
Variable Size 264241900 bytes  
Database Buffers 801112064 bytes  
Redo Buffers 7122944 bytes  
Database mounted.  
SQL> recover database  
Media recovery complete.  
SQL> alter database open;
```

Database altered.

[From site:] The "manual startup" with RECOVER worked. I just needed to do a stop and restart to get the whole thing back to normal.

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- **Article last edited:** 10/8/2013