

## Deadlock Errors

- **Article Type:** General
- **Product:** Aleph
- **Product Version:** 15.5

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### Description:

I have been noticing an unusual amount of DEADLOCK errors in the ORACLE logs on our production server in the aleph2/bdump/alert logs recently a snippet from the alert log below:

Sun Dec 3 07:22:42 2006

ARC0: Beginning to archive log# 5 seq# 11996

ARC0: Completed archiving log# 5 seq# 11996

Sun Dec 3 07:27:07 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5898.trc.

Sun Dec 3 07:27:10 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5895.trc.

Sun Dec 3 07:27:11 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5902.trc.

Sun Dec 3 07:27:13 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5895.trc.

Sun Dec 3 07:27:20 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5902.trc.

Sun Dec 3 07:27:21 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5898.trc.

Sun Dec 3 07:27:28 2006

ORA-000060: Deadlock detected. More info in file /exlibris/app/oracle/admin/aleph2/udump/aleph2\_ora\_5928.trc.

Sun Dec 3 07:27:28 2006

A snippet from one of the trc files in udump:

```
*** SESSION ID:(497.333) 2006-12-03 08:00:18.118
```

```
DEADLOCK DETECTED
```

```
Current SQL statement for this session:
```

```
update sys01.z120 set z120_rec_key = :r1:i1,z120_rec_key_1 = :r2:i2,z120_update_flag = :r3:i3,z120_same_no_lines  
= :r4:i4,z120_same = :r5:i5 where z120_rec_key = :v1
```

The following deadlock is not an ORACLE error. It is a deadlock due to user error in the design of an application or from issuing incorrect ad-hoc SQL. The following information may aid in determining the deadlock:

Deadlock graph:

```
"aleph2_ora_7607.trc" [Read only] 2985 lines, 164203 characters
```

### Resolution:

Is a batch job which creates/updates item records (such as p\_manage\_50, p\_file\_96, or p\_file\_90) running in the bib library, while ue\_01 is running in the xxx50 library?

We have seen cases where that sometimes resulted in deadlock. The solution is to stop ue\_01 in the xxx50 when such jobs are running.

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