
ORA-01555: snapshot too old: rollback segment ...

- **Product:** Aleph
 - **Product Version:** 20, 21, 22, 23
 - **Relevant for Installation Type:** Dedicated-Direct, Direct, Local, Total Care
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Description

A batch job stops with the following error -- or the util a/19 export log shows this error --:

```
Oracle error: fetch znnn
```

```
ORA-01555: snapshot too old: rollback segment number n with name "_SYS
```

(where "znnn" is a particular Oracle table, such as z01, z30, z0102, z13, z00p, z00r, etc.)

Resolution:

The ORA-1555 message indicates "rollback records needed by a reader for consistent read are overwritten by other writers". If you are running this job at a time when the online system or ue_01 is updating the file being read, then try running the job at a time when the pc_server and/or ue_01 are stopped.

If that doesn't prevent the error, you need to:

1. Do util o 13/1 to see how many datafiles there are for the UNDOTS tablespace.
2. Add another datafile to the UNDOTS tablespace, using util o/13/3.
3. Increase the undo_retention to 10800 (in \$ORACLE_CONF/initalephn.ora). You may find that there is no undo_retention parameter. If so, add it:

```
undo_retention=10800
```

4. Stop/start ALEPH and Oracle.

If this error occurs on an SQL "select" of your own (rather than an Aleph batch service), we suggest adding the /*+ DYNAMIC_SAMPLING(2) ALL_ROWS */ immediately after the "select".

Note: the z00p is a *huge* table. See the article "[Size of z00p table](#)" in this regard.