
Performance problems with ADM-bib SQL queries involving Z103

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 20
 - **Relevant for Installation Type:** Dedicated-Direct; Direct; Local;
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Sometimes SQL queries across libraries -- such as item ADM queries getting title information from the bib library via the Z103 -- will run for 1/2 hour or an hour and then get an error such as:

ERROR at line 1:
ORA-01652: unable to extend temp segment by 128 in tablespace TEMP

or:

snapshot too old: rollback segment number 2 with name 'R01' too small

Resolution:

We have found that, in some cases, changing:

```
substr (z103_rec_key_1,6,9)
```

to:

```
to_char(substr (z103_rec_key_1,6,9),'FM000000000')
```

improves the performance dramatically.

Also, adding "DYNAMIC SAMPLING", as described in KB 16384-25265 (see link in Additional Information below).

Additional Information

KB 16384-25265: [SQL queries slow in Aleph 18-up **MASTER record**](#)

Category: System management

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