
Keyword displays duplicate record(s); z05/z110 unique constraint

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 17.01
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Description:

When you do keyword searches ("Find") the same record or records are repeated in the Brief List, regardless of what search you do. This happens with all libraries, including USM01. In the `www_server` or `pc_server` log you see messages like this:

Oracle error: `io_z05_write`
ORA-00001: unique constraint (VIR01.Z05_ID) violated

Oracle error: `io_z110_write`
ORA-00001: unique constraint (VIR01.Z110_ID) violated

Or, possibly:

Oracle error: `io_sequence_next`
ORA-02289: sequence does not exist

Resolution:

The "unique constraint" error indicates that you are trying to write a record with the same key as an already existing record. The z05 and z110 files are the result-set table, where search results are kept for redisplay. When the 6-digit key reaches 999999, the system starts over with a key of 000001, resulting in the "unique constraint" message. The solution is to run `clear_vir01` to clean out the z05/z110.

We suggest adding the VIR01 "clear_vir01 VIR01", which clears not just the z05 and z110 but all of the vir01 tables, as a weekly or daily process to the job list.

****When you run `clear_vir01` from the `job_list`, you need to make certain that the `vir01` batch queue is running.**** If the `vir01` batch queue isn't running, then the `vir01 util c/7` will show the accumulated `clear_vir01` jobs waiting to run.

In one case, we had problems running `clear_vir01` after the `z05_rec_key` 999999 was reached. See KB 8192-7896.

KB 5730 describes how the `p_print_04` job can cause this problem.

Additional Information

faq

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