
p_manage_nn job looping: "no_such_symbol" in log.

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 19.01
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Description:

When you try to run *any* p_manage_nn indexing job (such as p_manage_01, p_manage_05, etc.), sometimes the job never ends and you see the following in the \$data_scratch p_manage_nn_a.log:

```
Process number : 1  
Cycle :  
Start loop : no_such_symbol  
End loop : no_such_symbol
```

Please explain.

Resolution:

This problem is due to the fact that the bib library. util g/2 last-doc-number was set to "900040066". The b_cycle_table_handle program was unable to handle such a value.

The following SQL helps showing that there were 32 doc records with keys over 2 million:

```
select z00_doc_number from z00 where z00_doc_number > '002000000';
```

These are all mistakes. (Probably the result of batch loads with DOC_SEQ which, rather than letting the system assign a doc number, takes the doc number from the input record.)

One had a key like this: "01493nam ", indicating that characters from the record's leader had been included in the record key.

To delete these records and reduce the last-doc-number to a reasonable value, do the following:

1. Use "vi", create a file with the doc numbers in this form:

```
005001701ABC01  
01493nam ABC01  
059012606ABC01  
<etc.>
```

(This file is in the "p_ret_01" format which p_manage_33 expects.)

2. Ran p_manage_33 with the file created in step 1 as input to delete the records.
3. Used SQL to physically delete the 32 "DEL Y" stub records which remained after step 2.

4. Use SQL "select max (z00_doc_number) from z00" to locate the highest key in the bib file.

5. Use util g/2 to reset the last-doc-number to the value found in step 4.

You should then be able to run p_manage_05, p_manage_01, etc., OK.

Additional Information

batch services, looping

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