
What are the symptoms of keyword index problems?

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Question

What are the symptoms of keyword index problems?

Answer

- Keyword searching inconsistencies
 - Records not retrieved with keyword searches in WebVoyage or Cataloging
 - Same records retrieved with left anchored searches
 - Records retrieved after resaving records in Cataloging
 - Saving to the database generates the keyword data for that record.
- Slowness in adding records
 - Bulkimport
 - Global Data Change (GDC)
 - Cataloging (slow save time)
- Data Files on server
 - Note the 50% rule where the dynamic.dc file (dynamic data file) is over 50% of the size of the xxxdb.1.dc file (static data file) in the /m1/voyager/xxxdb/data directory on the Voyager server.
 - The 50% rule mentioned above is a general guideline that we use for determining when you need a keyword regen.
 - For smaller sized databases
 - The dynamic.dc file is 1-2 times the size of the static file
 - OR more important, you see actual symptoms that indicate a keyword regen, i.e., keyword searches failing, or extremely slow bulkimporting or GDC runs.

Additional Information

See [Who can run a keyword regen?](#) for details on scheduling/running one.

Why a large dynamic.dc file can slow keyword indexing (and processes using keyword indexing):

- With BulkImport (or GDC, which uses bulkimport), the dictionary words (keywords) get written to dynamic.que.
- A keysvr process, periodically moves the dictionary words from the dynamic.que to dynamic.dc.
- As the bulkimport or saving/updating in Cataloging continues, the dynamic.dc will continue to grow, but only for non-

related words.

- The keysvr process searches through dynamic.dc file to determine if it should move a word to this file or not.
- What slows the import process is that as the dynamic.dc gets larger, the keysvr process has a greater volume to search through.
- As the file grows larger, the search grows longer.

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