
How do I determine if keyword regen is needed?

- **Product:** Voyager
 - **Product Version:** All
 - **Relevant for Installation Type:** Dedicated-Direct; Direct; Local;
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Question

How to determine if a keyword index regen is needed?

Answer

Note

Quick Answer: When the size of the dynamic file is more than half the size of the largest static file, and/or if you can't do OPAC keyword searches to find known records.

Other signs you may need a regen:

- issues with saving or updating bibliographic records
- issues with keyword searching
- display/search issues in clients and WebVoyage
- performance issues and a dynamic.dc file that exceeds 250M (even if it is less than 50% the size of your static dictionary)

Use the UTIL menu

Note that the [UTIL menu](#) can be used to determine if you need a keyword regen as well as run a keyword regen if one is needed.

How to check size ratio of keyword files in /data directory (where xxxdb is the Voyager Database Instance)

1. SSH to voyager server.
2. `cd /m1/voyager/xxxdb/data`
3. `ls -lh`
4. Review the files and note the file sizes. You will see output similar to this:

```
-rw----- 1 voyager exlibris 42M Jul 8 08:14 bib_text.1.tbt
-rw----- 1 voyager exlibris 636K Jul 8 08:14 bib_text.1.tdr
-rw----- 1 voyager exlibris 144 Jul 8 08:14 dynamic.bif
-rw----- 1 voyager exlibris 19M Jul 8 08:15 dynamic.dc
-rw----- 1 voyager exlibris 2 Jul 8 08:14 dynamic.que
```

```
-rw----- 1 voyager exlibris 264 Apr 30 11:34 xxxdb.1.bif
-rw----- 1 voyager exlibris 92M Apr 30 11:34 xxxdb.1.dc
-rw----- 1 voyager exlibris 324 Jul 8 08:14 xxxdb.1.kil
```

5. Use the following formula to determine if a keyword regen may be needed: $(\text{size of dynamic.dc} - 2048 \text{ KB}) * 2 > \text{size of largest xxxdb.N.dc}$ OR, dynamic.dc file is approximately 50% the size of the static dictionary(xxxdb.N.dc) file.
6. Use same procedure to check mfhd keyword data (/m1/voyager/xxxdb/mfhd.data).

Check size ratio of keyword files using UTIL menu

1. `dlib xxxdb`
2. `util`
3. `I. Index Maintenance`
4. `I. Keyword Info`

Note the "Keyword Regen suggested" value in the output:

```
Voyager Keyword Statistics for xxxdb
=====
Last Regen Run:           Jun 7 14:45
Largest Keyword File Size: 117404 K
Dynamic Keyword File Size: 2060 K
Keyword Regen suggested:  No
Required regen diskpace:  1700 MB

Last MFHD Regen Run:      Jun 7 14:45
Largest MFHD Keyword File Size: 3824 K
Dynamic MFHD Keyword File Size: 2216 K
MFHD Keyword Regen suggested: No
Required regen diskpace:  1700 MB
```

Additional Information

Support can run a keyword regen for you. Open a ticket to request this.

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