
Expanded ISBN-13 020 field not indexing

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 16.02
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Description:

We have added `expand_doc_isbn_13` to the INDEX section of our `tab_expand`, but the expanded field is not being indexed, that is, when the incoming record has a 10-digit 020, the corresponding 13-digit 978nnnnnnnnnn ISBN can not be found. (And util f/4 for the Z11 does not show it either.)

Also, can this work for Words and Headings -- or is it just for the direct indexes?

Resolution:

The most common cause of this is the failure to stop/start *both* `ue_01` the `pc_server`. (The Z11 is updated by both.)

In this particular case, as can be seen in the `abc01 tab11_ind`, the field being indexed is not 020 but rather "a020". The `a020` is a virtual field produced by `expand_doc_extract`.

The problem was that the `abc01 tab_expand` had the `extract` before the `isbn_13`. This means that the expanded isbn-13 fields did not exist at the time the extraction was being done and, therefore, no `a020` field was being built for them.

The `extract` needs to be after the `isbn_13`, like this:

```
INDEX expand_doc_isbn_13
INDEX expand_doc_extract
```

Then `ue_01` needs to be stopped/started and the `pc_server` needs to be restarted.

In regard to the Words, Headings, and Z13: you can add the `expand_doc_isbn_13` to the WORD, ACC, and CREATE-Z13 sections of `tab_expand` and the expanded 020 will be generated/indexed in exactly the same fashion as the regular 020.

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