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Testing J-ISIS Import of MARC Data with the INNZ metadata MARC file

The first import attempt failed due to an empty field occurrence near record 400 000. The J-ISIS Import source code was changed to skip empty field occurrences making the Import process more robust. The second import attempt was successful and 804 276 records were imported (I am not sure this is the right number of records).

1142213 milliseconds (~19 Minutes) to import ISO file on a Windows 7 64-bits computer with 4 GB RAM and Intel Core 2 CPU 2.50 GHz

J-ISIS Display of 1st imported record

The screenshot shows the J-ISIS Suite interface with the following details:

- Title Bar:** J-ISIS Suite 201408251540
- Menu Bar:** Database Browse Edit Search View Tools Window Help
- Hit Sort File:** <none>
- Data Viewer (DEF_HOME/innz-metadata):**
 - MFN:** 1
 - Format:** RAW
 - Last Mfn:** 804277
 - Mark Menu:** ☐ Mark This Record
- Table:** RECORD(1)

Tag	Field/Occurrence
1:	<<3>>
3:	<<INNZ>>
5:	<<20060603030502.0>>
8:	<<941028s1857 nz 00 eng d>>
35:	<< ^a94190348>>
35:	<< ^a(INNZ)3>>
40:	<< ^aRR94P>>
45:	<<0 ^a18570101>>
245:	<<00^aAuckland shipping list : for 1857>>
500:	<< ^aTables.>>
520:	<< ^aLists vessels registered at, or belonging to, the Port of Auckland, and employed in the foreign or colonial trade, and lists vessels principally Auckland built, or belonging to the Port of Auckland, and employed in the coasting trade. Notes Maori owners.>>
521:	<< ^aGeneral>>
592:	<< Record created and made available by Index New Zealand, National Library of New Zealand>>
650:	<<17^aShipping^2apaist>>
650:	<< 7^aShips^2apaist>>
773:	<<0 ^tAuckland Almanac, ^g1857; p.6-7^x0000-0000>>
3000:	<<0>>
3001:	<<0>>
3002:	<<8>>
- Status Bar:** Output

J-ISIS Display of last imported record

J-ISIS Suite 201408251540

Database Browse Edit Search View Tools Window Help

Hit Sort File: <none>

Data Viewer (DEF_HOME//innz-metadata)

MFN: 804276 Format: RAW Last Mfn: 804277 Mark Menu Mark This Record

RECORD(804276)

Tag	Field/Occurrence
1:	<<813324>>
3:	<<INN>>
5:	<<20141031162707.0>>
8:	<<141031s2014 nz g 00 0 eng d>>
40:	<< ^aDDO>>
45:	<<0 ^a20141001>>
245:	<<00^aSeaweed by the seashore^c/ by Kristina Jensen>>
500:	<< ^aIncludes illustration, portrait>>
520:	<< ^a.>>
521:	<< ^aGeneral>>
592:	<< Record created and made available by Index New Zealand, National Library of New Zealand>>
650:	<<17^a^2fast>>
700:	<<10^aJensen, Kristina>>
773:	<<0 ^tNew Zealand lifestyle block, ^gOct 2014; v.28 n.10:p.^x1176-726X>>
3000:	<<0>>
3001:	<<0>>
3002:	<<6>>
3003:	<<0>>
3004:	<<2>>
3005:	<<n>>

Output

Indexing was quite slow but succeeded and 1 761 450 terms were indexed. I forgot to remove the stopwords. Anyway looking at the dictionary is quite interesting:

Data Viewer (DEF_HOME//innz-metadata) Dictionary (DEF_HOME//innz-metadata)

Index name: .rember 2014 test\jisis_suite\home_example_db\innz-metadata\indexes\master

Number of fields: 11

Number of Records: 804276

Number of terms: 1761450

Last modified: N/A

Quick Search

Search: <All Searchable Fields>

Query:

Index Content

iTerm	Field	Term	Freq
185...	_110	SN=BEUKMAN	1
185...	_110	SN=BEUKMAN, ANOUSKA	1
185...	_110	SN=BEULAH	9
185...	_110	SN=BEULINK	1
185...	_110	SN=BEULINK, YOLANDA	1
185...	_110	SN=BEUMELBURG	4
185...	_110	SN=BEUMELBURG, MARGARET JOYCE,	3
185...	_110	SN=BEUMELBURG, TANIA	1
185...	_110	SN=BEUTH	3
185...	_110	SN=BEUTH, ALANNAH	1
185...	_110	SN=BEUTH, CLARE	2
185...	_110	SN=BEUTH, DAVID	2
185...	_110	SN=BEUVINK	1
185...	_110	SN=BEUVINK, CLINTON,	1
185...	_110	SN=BEUZENBERG	4
185...	_110	SN=BEUZENBERG, ERICA	3
185...	_110	SN=BEUZENBERG, ERICA JANE	1
185...	_110	SN=BEUZEVAL	1
185...	_110	SN=BEUZEVAL, KIRSTYN	1
185...	_110	SN=BEV	147
185...	_110	SN=BEVAN	250
185...	_110	SN=BEVAN FAMILY	2
185...	_110	SN=BEVAN SMITH, BOB	1
185...	_110	SN=BEVAN, DENIS	1
185...	_110	SN=BEVAN, DENYS	1
185...	_110	SN=BEVAN, E DENYS	1

Terms prefixed by PN= are supposed to be Personal Names

iTerm	Field	Term	Freq
107...	_100	PN=OLDFIELD, MARK	2
107...	_100	PN=OLDFIELD, MAX	4
107...	_100	PN=OLDFIELD, NATALIE	1
107...	_100	PN=OLDFIELD, NEIL	1
107...	_100	PN=OLDFIELD, TIM	1
107...	_100	PN=OLDFIELD, YVONNE	2
107...	_100	PN=OLDHAM	186
107...	_100	PN=OLDHAM, BERYL	6
107...	_100	PN=OLDHAM, BOB	1
107...	_100	PN=OLDHAM, BRIAN EDEN,	3
107...	_100	PN=OLDHAM, DENYS	7
107...	_100	PN=OLDHAM, GEOFFREY P	1
107...	_100	PN=OLDHAM, GEOFFREY P.	11
107...	_100	PN=OLDHAM, J. M.	1
107...	_100	PN=OLDHAM, JAN	1
107...	_100	PN=OLDHAM, KEVIN	6
107...	_100	PN=OLDHAM, LISA	5
107...	_100	PN=OLDHAM, MARGARET	1
107...	_100	PN=OLDHAM, MARY	1
107...	_100	PN=OLDHAM, P	2
107...	_100	PN=OLDHAM, PETER	9
107...	_100	PN=OLDHAM, PIP	2
107...	_100	PN=OLDHAM, STU	129
107...	_100	PN=OLDHAM, STUART	1
107...	_100	PN=OLDMAN	3
107...	_100	PN=OLDMAN, DOMINIC	1

Here we can see that there are some data entry inconsistencies such as "OLDHAM, GEOFFREY P" and "OLDHAM, GEOFFREY P." which are considered as different terms.

Search Suggestions works but takes about 1 second to be displayed

The screenshot shows the JISIS Suite 201408251540 interface. The top menu bar includes Database, Browse, Edit, Search, View, Tools, Window, and Help. Below the menu is a toolbar with various icons. The main window is divided into several panes. On the left, there is a 'Connections Pool' pane. The central pane displays search results for 'PN=OLDHAM'. The results are listed in a table with columns for 'MFN' and 'Tag'. The first two rows are highlighted in blue. The first row has MFN 1 and Tag 104897. The second row has MFN 2 and Tag 309642. The right pane shows a list of search suggestions for 'PN=OLDHAM', including 'PN=OLDHAM, BERYL', 'PN=OLDHAM, BOB', 'PN=OLDHAM, BRIAN EDEN,', 'PN=OLDHAM, DENYS', 'PN=OLDHAM, GEOFFREY P', 'PN=OLDHAM, GEOFFREY P.', 'PN=OLDHAM, J. M.', 'PN=OLDHAM, JAN', 'PN=OLDHAM, KEVIN', and 'PN=OLDHAM, LISA'.

Searching for OLDHAM

JISIS Suite 201408251540

Database Browse Edit Search View Tools Window Help

Hit Sort File: <none>

Connections Pool Databases Pool

Data Viewer (DEF_HOME//innz-metadata) Dictionary (DEF_HOME//innz-metadata) Search Window (DEF_HOME//innz-metadata)

Match all of the following Match any of the following Dictionary Options Guided search

<All Searchable Fields> matching PN=OLDHAM

Clear Search

186 reco... Sort By MFN

MFN

1] 182163
[2] 33133
[3] 166713
[4] 170896
[5] 173212
[6] 174882
[7] 177369
[8] 183408
[9] 195823
[10] 195821
[11] 195817
[12] 158029
[13] 163899
[14] 292005
[15] 292000
[16] 300617
[17] 298042
[18] 244021
[19] 393492
[20] 388273
[21] 388272
[22] 396540
[23] 396519

PgUp PgDn

Select PFT: RAW

RECORD(182163)

Tag	Field/Occurrence
1:	<<182257>>
3:	<<INN2>>
5:	<<20110908050028.0>>
8:	<<931008s1993 nz 00 eng d>>
35:	<< ^a93167041>>
35:	<< ^a182257>>
35:	<< ^a(INN2)182257>>
40:	<< ^aDD93F>>
45:	<<0 ^a19931001>>
245:	<<00^aCambodia>>
520:	<< ^aA worker for the United Nations Transitional Authority in Cambodia (UNTAC) provides an insight into life on an airbase at Stung Treng.>>
521:	<< ^aGeneral>>
592:	<< Record created and made available by Index New Zealand, National Library of New Zealand>>
650:	<<17^aAsia^2apaist>>
650:	<<7^aInternational organization^2apaist>>
700:	<<14^aOldham, Peter>>
700:	<<14^aOldham, Geoffrey P.>>
773:	<<0 ^tVolunteers, ^gOct 1993; v.19 n.2:p.80-82^x0113-1184>>
3000:	<<0>>

100%

Output