

Step by Step Instructions for Retrieving MARC21 or UNIMARC Format Bibliographic Records from Z39.50 Servers and Importing them to J-ISIS

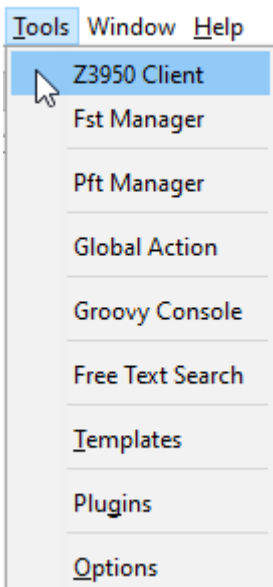
[J-ISIS 22 September 2017](https://github.com/J-ISIS/J-ISIS/releases/download/v1.2.2/jisis_suite.22.September.2017.zip)

(https://github.com/J-ISIS/J-ISIS/releases/download/v1.2.2/jisis_suite.22.September.2017.zip)

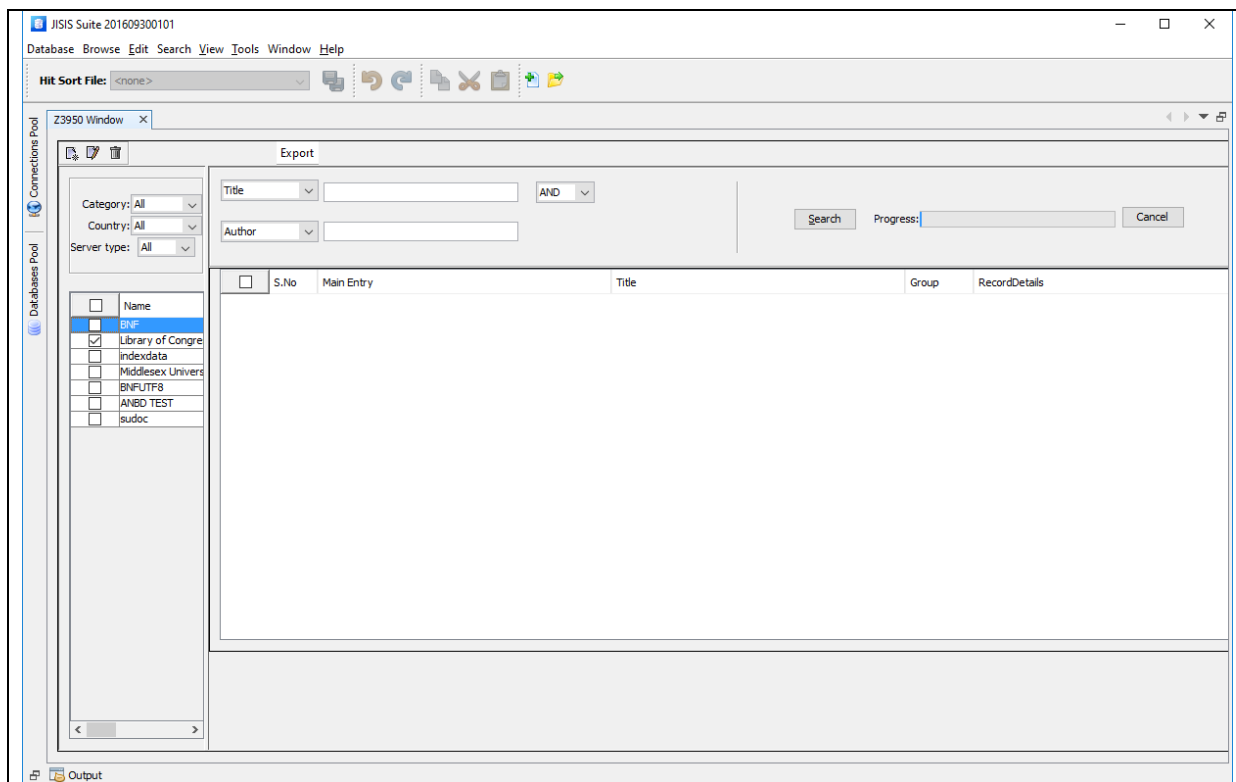
A search query on "*Germinal*" as {**Title**} and on "*Zola*" as {**Author**} will be made to demonstrate J-ISIS Z3950 client capabilities for retrieving MARC format bibliographic records from Z39.50 servers and importing them to J-ISIS. The search will be done on Z39.50 servers from the American Library of Congress and the French BNF ("Bibliothèque Nationale de France").

1. Retrieving MARC Format Bibliographic Records from Library of Congress

Choose {**Tools** ⇒ **Z3950 Client**} and a window will open enclosing two separate vertical panels



The left panel is for editing and selecting the Z39.50 servers on which the search will be done and the right panel is for specifying the search query and displaying the results.



There are some Z39.50 servers which are already defined such as the Library of Congress and the French BNF. We click on the checkbox associated to **{Library of Congress}** to select it and we uncheck any other selected items.

Z3950 Window

Category: All

Country: All

Server type: All

<input type="checkbox"/>	Name
<input type="checkbox"/>	BNF
<input checked="" type="checkbox"/>	Library of Congress
<input type="checkbox"/>	indexdata
<input type="checkbox"/>	Middlesex Univers
<input type="checkbox"/>	BNFUTF8
<input type="checkbox"/>	ANBD TEST
<input type="checkbox"/>	sudoc

We enter *Germinal* in the **{Title}** field and click on **{Search}**. The progress bar displays **{Searching...}** and is changing regularly. After a couple of seconds, the first results are displayed as below:

Export

Title: Germinal AND

Author:

Search Progress: Searching... Cancel

<input type="checkbox"/>	No	Main Entry	Title	Group	RecordDetails
<input type="checkbox"/>	223	Grant, Elliott Mansfield,	Zola's Germinal: /[by] Elliott M. Grant.	[Library o...	LEADER 00942nam a2200277 4500001 304713005 19701204000...
<input type="checkbox"/>	224		"Germinal" ;/par Daniel Lindenberg, Jean-Pierre Vi...	[Library o...	LEADER 00849nam a2200241 i 4500001 368656005 197...
<input type="checkbox"/>	225	Brady, Patrick,	Le bouc émissaire chez Emile Zola :/Patrick Brady.	[Library o...	LEADER 01170nam a2200325 a 4500001 434309005 198...
<input type="checkbox"/>	226		Sampung dula na tig-lisang [sic. lisang] yugto :/tinipon nin...	[Library o...	LEADER 01429cam a2200265 a 4500001 521801005 20090727131...
<input type="checkbox"/>	227	International Seminar on the Offshore Mineral Resources	Ressources minérales sous-marines =/organisé ...	[Library o...	LEADER 01367cam a2200313 i 4500001 868969005 1986...
<input type="checkbox"/>	228	Miró, Gabriel,	Nuestro padre San Daniel :/Gabriel Miró.	[Library o...	LEADER 00808cam a22002297a 4500001 922172005 20...
<input type="checkbox"/>	229	Walker, Philip D.	Germinal and Zola's philosophical and religious thought /P...	[Library o...	LEADER 01141cam a2200313 a 4500001 951297005 19851031000...
<input type="checkbox"/>	230	Destrée, Jules,	Une campagne électorale au pays noir /Jules Destrée.	[Library o...	LEADER 00716nam a2200217 a 4500001 962932005 198...
<input type="checkbox"/>	231	Plessy, Bernard,	La vie quotidienne des mineurs au temps de Germinal /Ber...	[Library o...	LEADER 00818nam a2200241 a 4500001 976966005 198...
<input type="checkbox"/>	232	Défossé, Gabriel,	Montenotte, la première victoire de Napoléon Bona...	[Library o...	LEADER 01197cam a2200301 a 4500001 1009701005 20...
<input type="checkbox"/>	233	Hernández, Miguel,	Prosas líricas y aforismos /Miguel Hernández ; edi...	[Library o...	LEADER 00934cam a2200253 a 4500001 1011784005 20...
<input type="checkbox"/>	234	Jiménez, Juan Ramón,	Antología comentada /Juan Ramón Jiménez ; sele...	[Library o...	LEADER 01148cam a2200301 a 4500001 1098034005 20...
<input type="checkbox"/>	235	Nogués, Germinal.	Buenos Aires, ciudad secreta /Germinal Nogués ; ...	[Library o...	LEADER 01100nam a2200289 a 4500001 1136231005 19...
<input type="checkbox"/>	236		The biology of germinal centers in lymphoid tissue /[edite...	[Library o...	LEADER 01367cam a2200337 a 4500001 1198366005 2001050714...
<input type="checkbox"/>	237	Maslow, Abraham H.	Dominance, self-esteem, self-actualization: oerminal pap...	[Library o...	LEADER 01001cam a2200289 4500001 1253248005 19910903134...

The Progress bar displays {**Completed...**} when the search is terminated. Individual records can be selected by checking the associated checkbox, but we want to export all records retrieved. Checking the top left corner checkbox will check all the retrieved records as below:

Export

Title

Germinal

AND

Author

Search

Progress: Completed...

Cancel

<input type="checkbox"/>	S.No	Main Entry	Title	Group	RecordDetails
<input type="checkbox"/>	384		B cell protocols /edited by Hua Gu, Klaus Rajewsky.	Library of...	LEADER 03641cam a22004094a 4500001 13485902005 20080311115548.0008 0402...
<input type="checkbox"/>	385	Sarasqueta Oller, Germi...	70 años de historia, 1929-1999 ;/Germinal Sarasqueta.	Library of...	LEADER 01428cam a22003853a 4500001 13586978005 20060824112802.0008 0404...
<input type="checkbox"/>	386	Sarasqueta Oller, Germi...	Momentos memorables de la aviación panameña ...	Library of...	LEADER 01177cam a22003253a 4500001 13586979005 20060824092524.0008 0404...
<input type="checkbox"/>	387	Zola, Emile,	Germinal /Émile Zola ; translated with an introducti...	Library of...	LEADER 01520cam a2200373 a 4500001 13709197005 20070509104254.0008 03082...
<input type="checkbox"/>	388		Lymphoma :/edited by Tim Illidge, Peter W.M. Johnson.	Library of...	LEADER 03616cam a22004214a 4500001 13781126005 20080307084505.0008 041108s2005 njua...
<input type="checkbox"/>	389	Moe, Christian Hollis,	Creating historical drama :/Christian H. Moe, Scott J. Par...	Library of...	LEADER 02018cam a2200337 a 4500001 13815061005 20130530103417.0008 041214s2005 ilua ...
<input type="checkbox"/>	390	Colebrook, Claire.	Deleuze :/Claire Colebrook.	Library of...	LEADER 02064cam a22003014a 4500001 14071158005 20151204113843.0008 050811s2006 enk ...
<input type="checkbox"/>	391		San Antonio de Béxar y el hispanismo /edición de ...	Library of...	LEADER 03259cam a2200289 a 4500001 14187222005 20131105093433.0008 05120...
<input type="checkbox"/>	392	Craig, Grace J.	Understanding human development /Grace J. Craig, Wen...	Library of...	LEADER 03989cam a22002894a 4500001 14208729005 20130118103653.0008 051223s2007 njua...
<input type="checkbox"/>	393		Direction des Iles du Vent, Ile de Tabago, 1er germinal an...	Library of...	LEADER 01689cfm a2200337 a 4500001 14308459005 20060410075711.0007 ajj canz...
<input type="checkbox"/>	394	Sarantaris, Nicolás,	Lógica germinal /Nicolás Sarantaris.	Library of...	LEADER 00877cam a22002653a 4500001 14494593005 20061215190441.0008 0608...
<input type="checkbox"/>	395	Muñoz Grillo, Germinal.	Lecciones de derecho administrativo, el acto admi...	Library of...	LEADER 01303cam a22002774a 4500001 14816522005 20070718172357.0008 0704...
<input type="checkbox"/>	396	Casado, Germinal.	Germinal ou le sacre du printemps :/Germinal Casado.	Library of...	LEADER 00972cam a22002654a 4500001 14875160005 20070920083825.0008 0705...
<input type="checkbox"/>	397	Čivkov, Germinal,	Der Milosevic-Prozess :/Germinal Čivkov ; Vorwort ...	Library of...	LEADER 01071cam a22002654a 4500001 14969939005 20071211141649.0008 0708...
<input type="checkbox"/>	398	Volpe, Joseph J.	Neurology of the newborn /Joseph J. Volpe.	Library of...	LEADER 02912cam a2200397 a 4500001 15058015005 20090828071957.0008 071023s2008 paua...

Choose {**Export ⇒ ISO2709**} to export the MARC formatted records.

Z3950 Window

Category: All

Country: All

Server type: All

Title

Author

AND

Export

ISO2709

XML

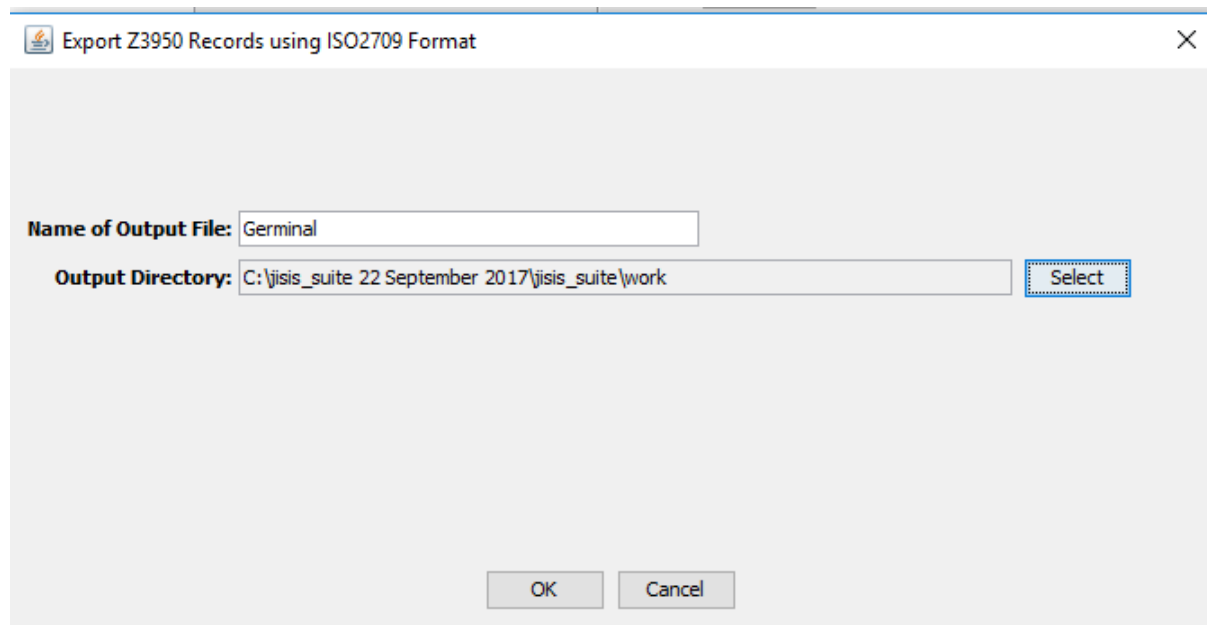
MarcXML

TEXT

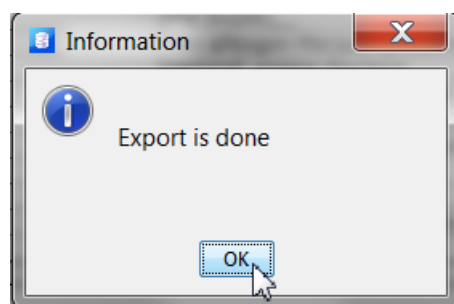
Database

<input type="checkbox"/>	Name	<input checked="" type="checkbox"/>	S.No	Main Entry	Title
<input type="checkbox"/>	BNF	<input checked="" type="checkbox"/>	384		B cell protocols /edited by Hua Gu, Klaus Rajewsky.
<input checked="" type="checkbox"/>	Library of Congre	<input checked="" type="checkbox"/>	385	Sarasqueta Oller, Germi...	70 años de historia, 1929-1999 ;/Germinal Sarasqueta.
<input type="checkbox"/>	indexdata	<input checked="" type="checkbox"/>	386	Sarasqueta Oller, Germi...	Momentos memorables de la aviación panameña ...
<input type="checkbox"/>	Middlesex Univers	<input checked="" type="checkbox"/>	387	Zola, Emile,	Germinal /Émile Zola ; translated with an introducti...
<input type="checkbox"/>	BNFUT8	<input checked="" type="checkbox"/>	388		Lymphoma :/edited by Tim Illidge, Peter W.M. Johnson.
<input type="checkbox"/>	ANBD TEST	<input checked="" type="checkbox"/>	389	Moe, Christian Hollis,	Creating historical drama :/Christian H. Moe, Scott J. Par...
<input type="checkbox"/>	sudoc	<input checked="" type="checkbox"/>	390	Colebrook, Claire.	Deleuze :/Claire Colebrook.

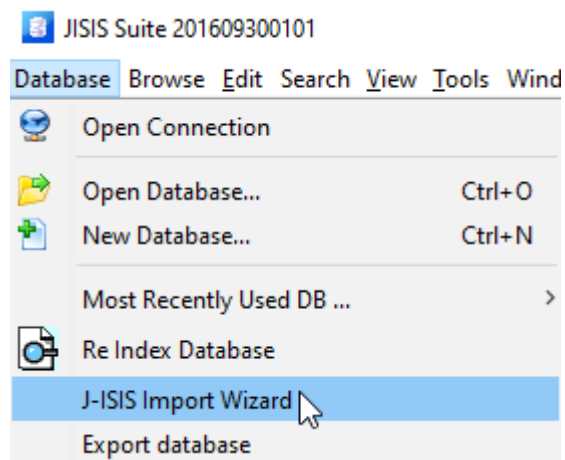
A dialog box will appear as below. Enter the name of output ISO file and select the directory where the file (with extension *.iso*) will be saved.



A dialog box will appear as below when exporting is completed.



NOW, WE WILL IMPORT THIS ISO FILE INTO A J-ISIS DATABASE. Choose {**Database** ⇒ **J-ISIS Import Wizard**}



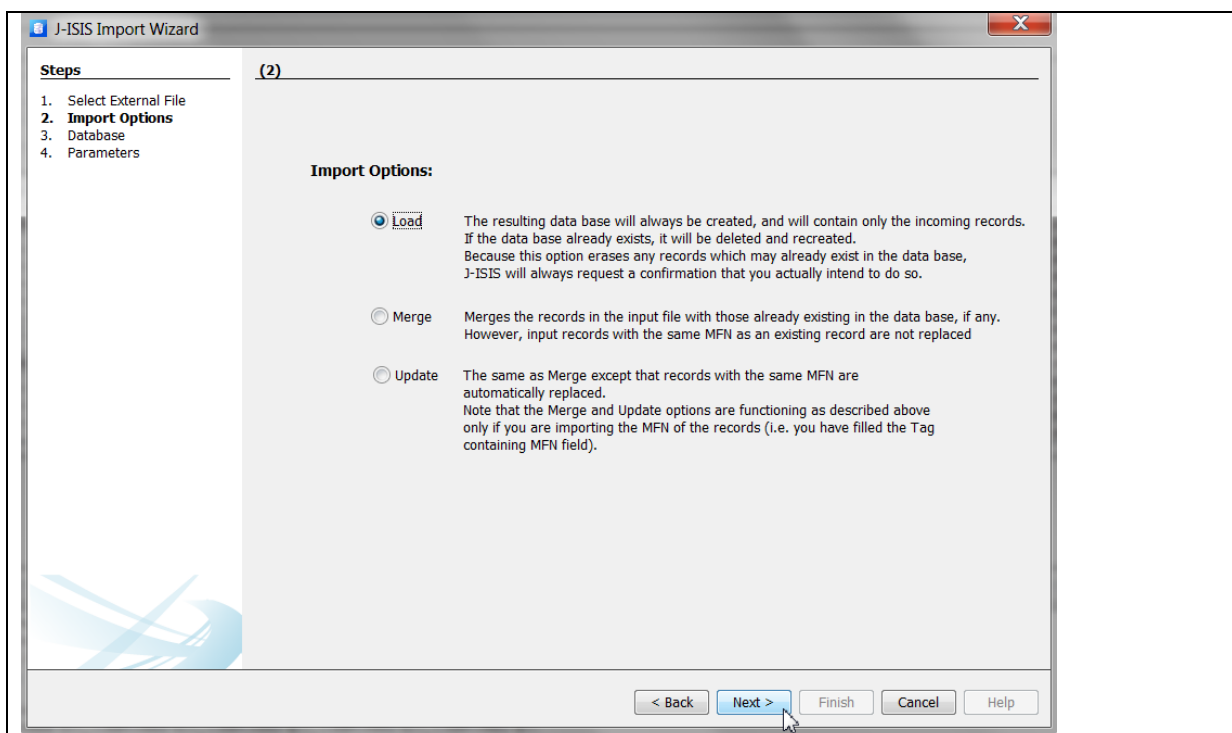
Select the ISO file just exported and change encoding to UTF-8.

The screenshot shows the 'J-ISIS Import Wizard' dialog box, step (1) 'Select External File'. The 'Steps' panel on the left lists: 1. Select External File, 2. Import Options, 3. Database, 4. Parameters. The main area is titled '(1)' and contains the following fields and options:

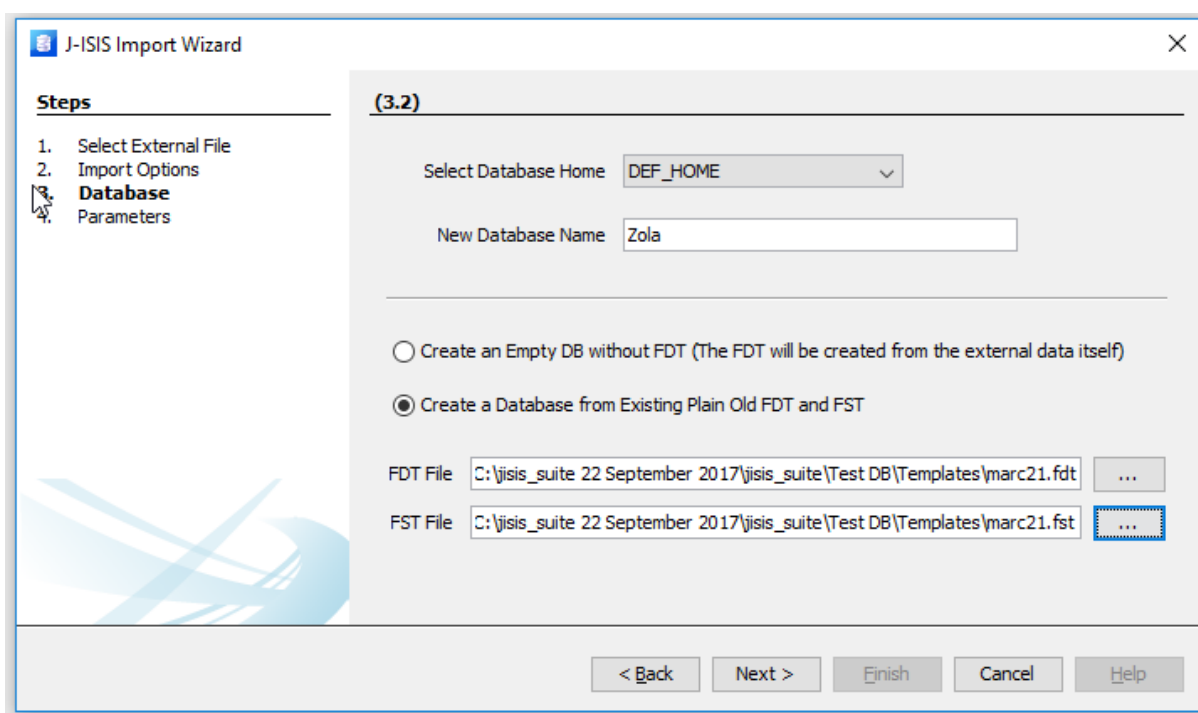
- External File:** A text box containing 'is_suite 22 September 2017\jisis_suite\work\Germinal.iso' and a browse button '...'.
- Encoding:** A dropdown menu showing 'UTF-8' and 'Eight-bit Unicode (or UCS) Transformation Format'.
- In Which Format:** A section with the title 'MARC Record Structure - MARC stands for: Machine Readable Cataloging'. It contains two radio button options:
 - ISO2709 Format (or MARC)** (selected): A description states 'The structure of all MARC records is based on an exchange format for bibliographic records as specified in the ANSI/NISO Z39.2 and ISO 2709:1996 standards.' Below this is a checked checkbox labeled 'Consider Fields With Tags 001-009 As Data Fields'.
 - MARCXML**: A description states 'The structure of MARC records is defined in XML.' Below this is a note: 'In both cases, the markup tags and content are different for MARC21, UNIMARC, USMARC, CANIMARC, UKMARC, etc. and can be defined at the FDT level.'
- Other XML Formats:** Two radio button options: 'MODS' and 'DUBLIN CORE'.
- Character Separated Fields:** One radio button option: 'CSV'.

At the bottom right, there are five buttons: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

Keep the Load import option and go to next wizard panel.



Enter *Zola* as {**New Database Name**}, select the {**Create a database from Existing Plain Old FDT and FST**} radio button, and select the marc21 fdt and fst templates.



Change {**Input line length**} to 0 and check the {**Move Leader Info into 30XX fields**} checkbox. Finally click on {**Finish**}

J-ISIS Import Wizard

Steps

1. Select External File

2. Import Options

3. Database

4. Parameters

(4.1)

Input line length: (Use zero for no limit)

Subfield separator character: ▼

Reformatting FST: ▼

Move Leader Info into 30XX fields: ☒

First MFN to be assigned:

Tag containing MFN:

< Back

Next >

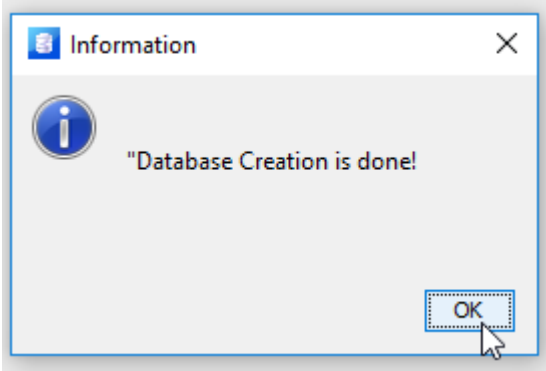
Finish

Cancel

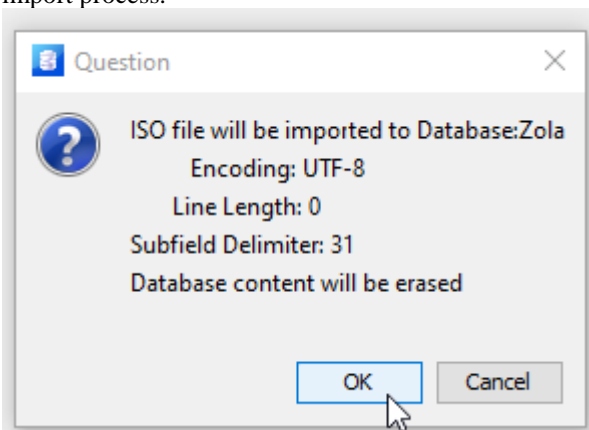
Help

8

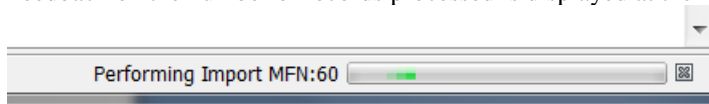
A dialog box will appear as below to inform that the database was created successfully.



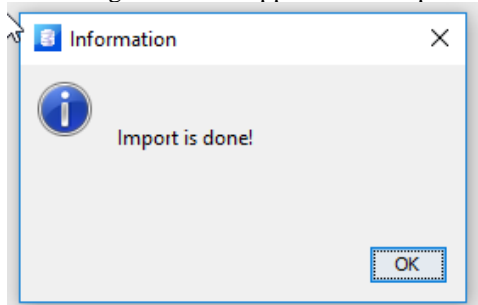
A dialog box summarizing the options selected will appear as below and this is the last chance to cancel the import process.



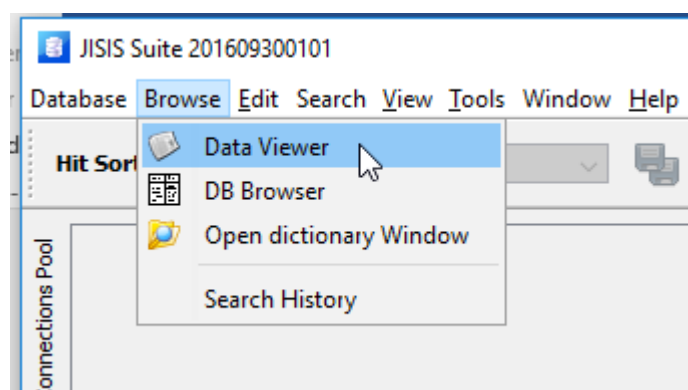
Feedback on the number of records processed is displayed at the right bottom corner.



The dialog below will appear when importing is done.



Choose {Browse ⇒Data Viewer} and a window will open displaying the 1st record



First Record

Data Viewer (DEF_HOME//Zola) X

MFN: 1 << >> >> Format: RAW Record Count: 222 Next MFN to be Assigned: 223 Mark Menu Mark This Record ☐

Tag	Field/Occurrence
1:	<<304713>>
5:	<<19701204000000.0>>
8:	<<701119s1970 enk b 001 0 eng >>
10:	<< ^a 72518818 >>
15:	<< ^aB70-06307>>
20:	<< ^a0718510917>>
35:	<< ^9(DLC) 72518818>>
40:	<< ^aDLC^cDLC^dDLC>>
50:	<<00^aPQ2504^b.G733>>
82:	<<00^a843/.8>>
100:	<<1 ^aGrant, Elliott Mansfield,^d1895-1969.>>
245:	<<10^aZola's Germinal:^ba critical and historical study^c[by] Elliott M. Grant. >>
250:	<< ^a[1st ed.] 2nd impression with corrections.>>
260:	<< ^aLeicester,^bLeicester U.P.,^c1970.>>
300:	<< ^a244 p.^c22 cm.>>
350:	<< ^a36/->>
500:	<< ^aContains French text of Zola's "Ebaundre" and Personnages" (MSS. 10307/8)>>
504:	<< ^aBibliography: p. 215-219.>>
600:	<<10^aZola, Emile,^d1840-1902.^tGerminal.>>
906:	<< ^a7^bcbc^corignew^d3^encip^f19^gy-gencatlg>>
991:	<< ^bc-GenColl^hPQ2504^i.G733^p00017170405^tCopy 1^wBOOKS>>

Last Record

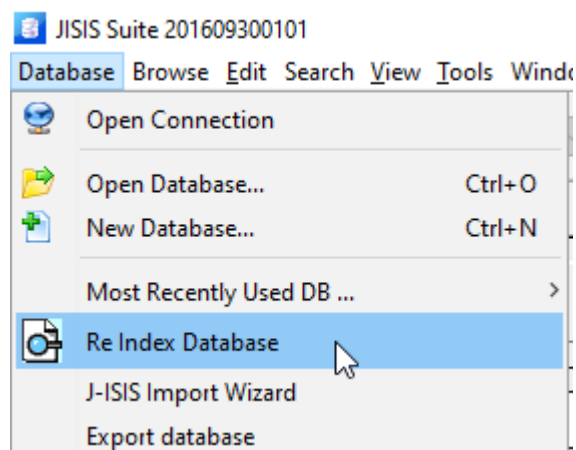
Data Viewer (DEF_HOME//Zola) x

MFN: 222
Format: RAW
Record Count: 222
Next MFN to be Assigned: 223
Mark Menu
Mark This Record ☐

RECORD(222)

Tag	Field/Occurrence
1:	<<19771288>>
5:	<<20170706145006.0>>
8:	<<170706s2017 sz b 000 0 fre d>>
10:	<< ^a 2017295524>>
20:	<< ^a9783034313681^q(paperback)>>
20:	<< ^a3034313683^q(paperback)>>
20:	<< ^z9783034304955 (online)>>
20:	<< ^z9783034325424 (online)>>
20:	<< ^z9783034325417 (online)>>
24:	<<3 ^a9783034313681>>
35:	<< ^a(OCOLC)ocn966518220>>
40:	<< ^aOHX^beng^cOHX^erda^dOCLCO^dHLS^dCOO^dUBY^dOCLCF^dDLC>>
42:	<< ^alccopycat>>
72:	<< 7^aPQ^2lcco>>
97:	<<00^aPQ2504^b.G47 2017>>
245:	<<00^aGerminal, la mine et les arts / ^cEncarnacion Medina Arjona (ed.).>>
264:	<< 1^aBern : ^bPeter Lang, ^c[2017]>>
300:	<< ^a269 pages ; ^c23 cm.>>
336:	<< ^atext^2rdacontent>>
337:	<< ^aunmediated^2rdamedia>>
338:	<< ^avolume^2rdacarrier>>

DON'T FORGET TO INDEX THE DATABASE:



After indexing you can browse the index terms. Choose {**Browse ⇒ Open Dictionary Window**} and a window will open displaying the indexed terms selected from the records by executing the Field Selection Table (FST)

Data Viewer (DEF_HOME//Zola) x Dictionary (DEF_HOME//Zola) x Search Window (DEF_HOME//Zola) x

Index name: ! September 2017\jisis_suite\home_example_db\Zola\indexes\master

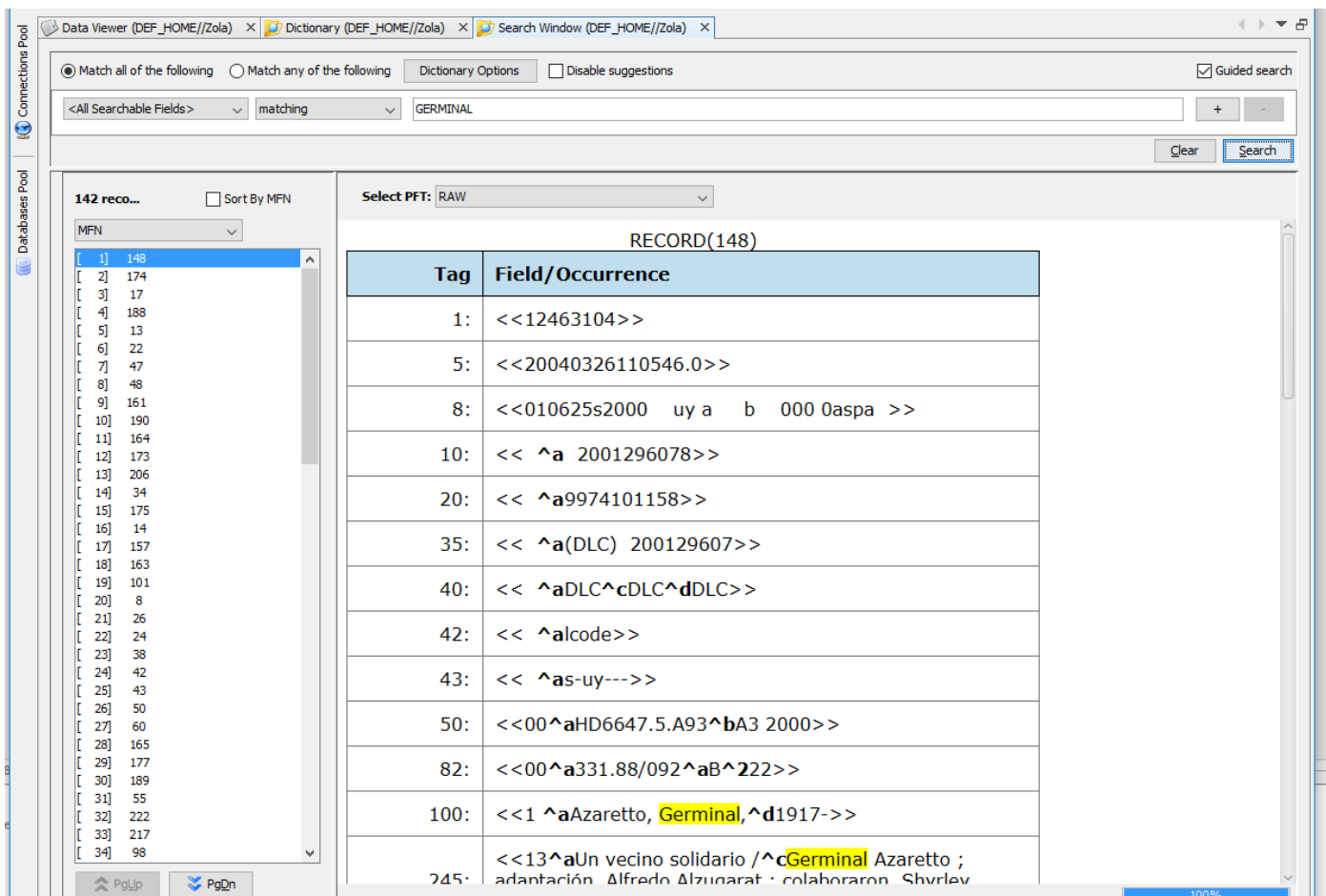
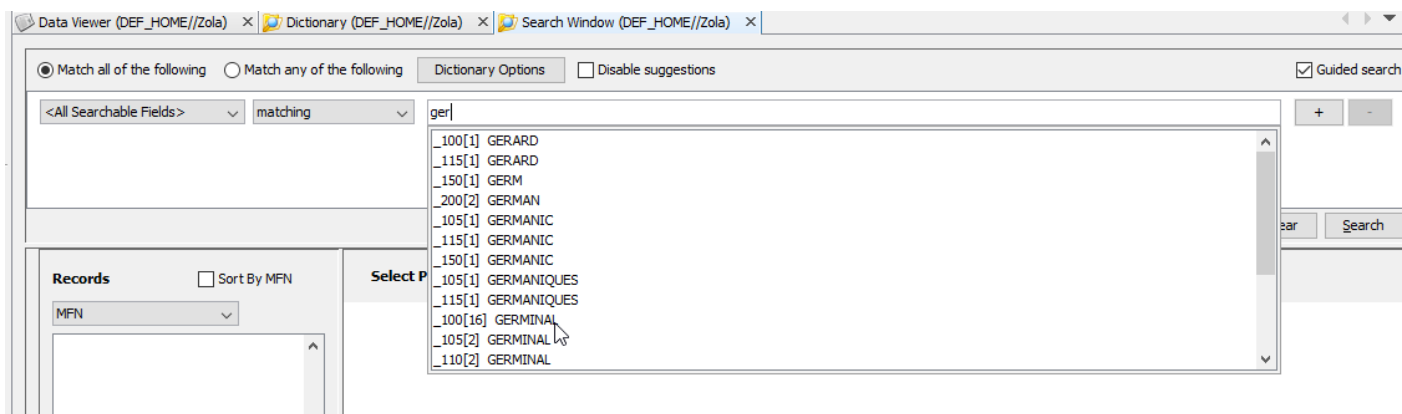
Index Content Page 1 / 1

Number of fields: 11
Number of Records: 222
Number of terms: 6866
Last modified: Tue Oct 03 17:20:52 CEST 2017

Quick Search
Search: <All Searchable Fields>
Query:

iTerm	Field	Term	Freq
167	_100	G	2
168	_100	GABRIEL	4
169	_100	GAIL	1
170	_100	GARCIA	3
171	_100	GARRETT	1
172	_100	GATZ	1
173	_100	GAULEJAC	1
174	_100	GAY	1
175	_100	GENEVIEVE	1
176	_100	GEORG	1
177	_100	GEORGE	1
178	_100	GEORGES	1
179	_100	GERARD	1
180	_100	GERMINAL	16
181	_100	GILBERT	1
182	_100	GILMOUR	1
183	_100	GIRARD	1
184	_100	GIRARDET	1
185	_100	GISSIS	1
186	_100	GOMEZ	1
187	_100	GONZALO	1
188	_100	GOUGET	1
189	_100	GRACE	1
190	_100	GRACIA	1
191	_100	GRANT	3
192	_100	GREGOIRE	1
193	_100	GRIBBLE	1
194	_100	GRILLO	1
195	_100	GROSSO	2
196	_100	GU	1
197	_100	GUILLAUME	2
198	_100	GUILLEMIN	1
199	_100	GUY	1

Once the database indexed, the user will be able to search records . Choose {**Search ⇒ Open Search Window**} and a window will open displaying the guided search form



2. Retrieving MARC Format Bibliographic Records from French BNF

We click on the checkbox associated to {BNF UTF-8} to select it and we uncheck {Library of Congress}.

The screenshot shows the Z3950 Window interface. The 'Export' tab is selected. On the left, there is a list of sources with checkboxes: Name, BNF, Library of Congress, indexdata, Middlesex University, BNFUTF8 (checked), ANBD TEST, and sudoc. The search criteria fields are empty. A 'Search' button is visible.

We enter *Zola* in the {Author} field and click on {Search}. The progress bar displays {Searching...} and is changing regularly. After a couple of seconds, the first results are displayed as below:

The screenshot shows the Z3950 Window interface with search results for 'Zola'. The 'Author' field contains 'zola'. The 'Search' button is highlighted. The progress bar shows 'Searching...'. A table of results is displayed below.

S.No	Main Entry	Title	Group	RecordDetails
1		Le Procès Zola devant la Cour d'assises de la Seine ...	[BNFUTF8]	LEADER 00774nam 22001933n 450 001 FRBNF416754...
2		Bhambatha__Zola	[BNFUTF8]	LEADER 01651njm 22004573 450 001 FRBNF4425466...
3		BILLY BOOGIE__A. ZOLA	[BNFUTF8]	LEADER 00685njm 22001933n 450 001 FRBNF380532...
4	Zola -	La mort d'Olivier Bécaille_et autres nouvelles natur...	[BNFUTF8]	LEADER 00785nam 22002253 450 001 FRBNF4533132...
5		Catalogue de livres modernes... manuscrit du XVIe s...	[BNFUTF8]	LEADER 01310nam 22002533n 450 001 FRBNF365595...
6		Précieux manuscrits et lettres d'Emile Zola_vente, P...	[BNFUTF8]	LEADER 01222nam 22002253 450 001 FRBNF3555520...
7		Catalogue de livres modernes... composant la biblio...	[BNFUTF8]	LEADER 00897nam 22002173n 450 001 FRBNF365898...
8	Zola -	Frodi in commercio (nomi, marchi, segni distintivi)_c...	[BNFUTF8]	LEADER 00943cam 22002173 450 001 FRBNF316909...
9		Pour une nuit d'amour__Emile Zola	[BNFUTF8]	LEADER 00601njm 22001157 450 001 FRBNF4420627...
10		Vente après décès. Sièges et meubles anciens et m...	[BNFUTF8]	LEADER 00932nam 22002053n 450 001 FRBNF365244...
11	Zola Jesus -	Taiga__Zola Jesus, chant [acc. voc. et instr.]	[BNFUTF8]	LEADER 01671cjm 22004333 450 001 FRBNF4390014...
12	Zola Jesus -	Versions__Zola Jesus, chant [acc. instr.]	[BNFUTF8]	LEADER 01708cjm 22004093 450 001 FRBNF4371577...
13	Zola - - Zola	"Amoco Cadiz"__Émile Zola	[BNFUTF8]	LEADER 00988nam 22002253 450 001 FRBNF3461013...
14	Zola - - Zola	L'assomoir__	[BNFUTF8]	LEADER 00782nam 22002265 450 001 FRBNF4535712...
15		QUELQUES CONTES A NINON__Emile ZOLA	[BNFUTF8]	LEADER 00946njm 22002653n 450 001 FRBNF379525...
16	Montez -	Zola Montez. Secrets of the toilet, compiled from h...	[BNFUTF8]	LEADER 00889nam 22001933n 450 001 FRBNF324624...
17	Christensen -	Jysk fitness__Robert Zola Christensen	[BNFUTF8]	LEADER 00746cam 22001933 450 001 FRBNF392708...
18	Christensen -	To præsidenter i en juniorkano__Robert Zola Christ...	[BNFUTF8]	LEADER 00773cam 22001933 450 001 FRBNF391327...
19	Zola Bangani -	Efficacité comparée de l'emprunt et de la création ...	[BNFUTF8]	LEADER 00974nam 22002229 450 001 FRBNF3761096...
20	Christensen -	Good luck Mr. Gorsky_fortællinger fra en lille klode_...	[BNFUTF8]	LEADER 00909nam 22002293 450 001 FRBNF371838...
21	Zola y Ponce -	Diario de una miliciano__Gustavo Zola y Poncé. - [Z...	[BNFUTF8]	LEADER 00869nam 22002217 450 001 FRBNF3479923...

The Progress bar displays {Completed...} when the search is terminated. We check the top left corner checkbox to check all the retrieved records as below:

Z3950 Window

Export

Category: All
Country: All
Server type: All

Title: AND
Author: zola

Search Progress: Completed... Cancel

<input checked="" type="checkbox"/>	S.No	Main Entry	Titre	Group	RecordDetails
<input checked="" type="checkbox"/>	2080	Zola -	Théâtre royal des Galeries Saint-Hubert de Bruxelles. Na...	BNFUT8,	LEADER 01151nam 22002413n 450 001 FRBNF31690866000000003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2081	Bruneau -	Le Rêve, drame lyrique en quatre actes et 8 tableaux d'a...	BNFUT8,	LEADER 01075ncm 22002653n 450 001 FRBNF43989756000000008003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2082	Zola -	Émile Zola. La République en marche , chroniques parlem...	BNFUT8,	LEADER 01080nam 22002173n 450 001 FRBNF32302095000000008003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2083	Bruneau -	L'Attaque du moulin. Drame lyrique, d'après Emile Zola. P...	BNFUT8,	LEADER 01525nam 22003733n 450 001 FRBNF42881315000000002003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2084	Gallet -	Le Rêve, drame lyrique en 4 actes, 8 tableaux d'après le ...	BNFUT8,	LEADER 01156nam 22002533n 450 001 FRBNF43993675000000004003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2085	Zola -	Émile Zola. Les Rougon-Macquart , histoire naturelle et so...	BNFUT8,	LEADER 01179nam 22002533n 450 001 FRBNF33227812000000008003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2086		Le Travail et les travailleurs...	BNFUT8,	LEADER 01522cas 22002773 450 001 FRBNF4144996000000000003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2087	Zola -	Le Rêve. Drame lyrique en 4 actes... d'après le roman de...	BNFUT8,	LEADER 01061nam 22002413n 450 001 FRBNF44006573000000002003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2088	Michel -	Sextius Michel. La Petite patrie, notes et documents pour ...	BNFUT8,	LEADER 01303nam 22002413n 450 001 FRBNF30942799000000002003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2089	Gallet -	Le Rêve, drame lyrique en 4 actes... d'après le roman de ...	BNFUT8,	LEADER 01061nam 22002413n 450 001 FRBNF43993676000000001003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2090	Zola -	Émile Zola, journaliste d'actualité, textes présentés et co...	BNFUT8,	LEADER 01363cam 22002533n 450 001 FRBNF31690907000000004003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2091	France -	Allocution [prononcée le 21 décembre 1901 à la réunion p...	BNFUT8,	LEADER 02039cam 22003253 450 001 FRBNF36573284000000008003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2092	Marty -	Daria_drame lyrique en 2 actes_poème d'Adolphe Aderer ...	BNFUT8,	LEADER 02134cm 22003373 450 001 FRBNF4421770400000000003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2093		Les soirées de Médan__par Émile Zola, Guy de Maupassa...	BNFUT8,	LEADER 01206nam 22002241 450 001 FRBNF39910395000000008003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2094	Latouche -	15 [Quinze] gravures sur l'Assommoir__par Gaston Latou...	BNFUT8,	LEADER 00849cdm 22002053n 450 001 FRBNF40361449000000001003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2095	Bruneau -	L'Attaque du moulin, drame lyrique en 4 actes, d'après E...	BNFUT8,	LEADER 04734ncm 22008413n 450 001 FRBNF42881313000000008003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2096	Bruneau -	Le Rêve, drame lyrique en 4 actes, d'après le roman d'E...	BNFUT8,	LEADER 04632cm 22009253n 450 001 FRBNF42881371000000001003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2097		Lettre de... Mgr Sauveur-Louis Zola, Evêque de Lecce...	BNFUT8,	LEADER 01239nam 22002533n 450 001 FRBNF34034524000000009003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2098	Bruneau -	L'Attaque du Moulin, drame lyrique en 4 actes, d'après E...	BNFUT8,	LEADER 01254ncm 22003013n 450 001 FRBNF4288131200000000003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2099	Bruneau -	Le Rêve, drame lyrique en 4 actes et 8 tableaux, d'après ...	BNFUT8,	LEADER 01206ncm 22002893n 450 001 FRBNF42881369000000003003 http://catalogue.bnf.fr/ark:/...
<input checked="" type="checkbox"/>	2100	Zola -	@ [Les Coquillages de M. Chabre. L'Inondation. Nais Mic...	BNFUT8,	LEADER 01084nam 22002413n 450 001 FRBNF31435317000000003003 http://catalogue.bnf.fr/ark:/...

Choose {Export ⇒ ISO2709} to export the MARC formatted records.

Z3950 Window

Export

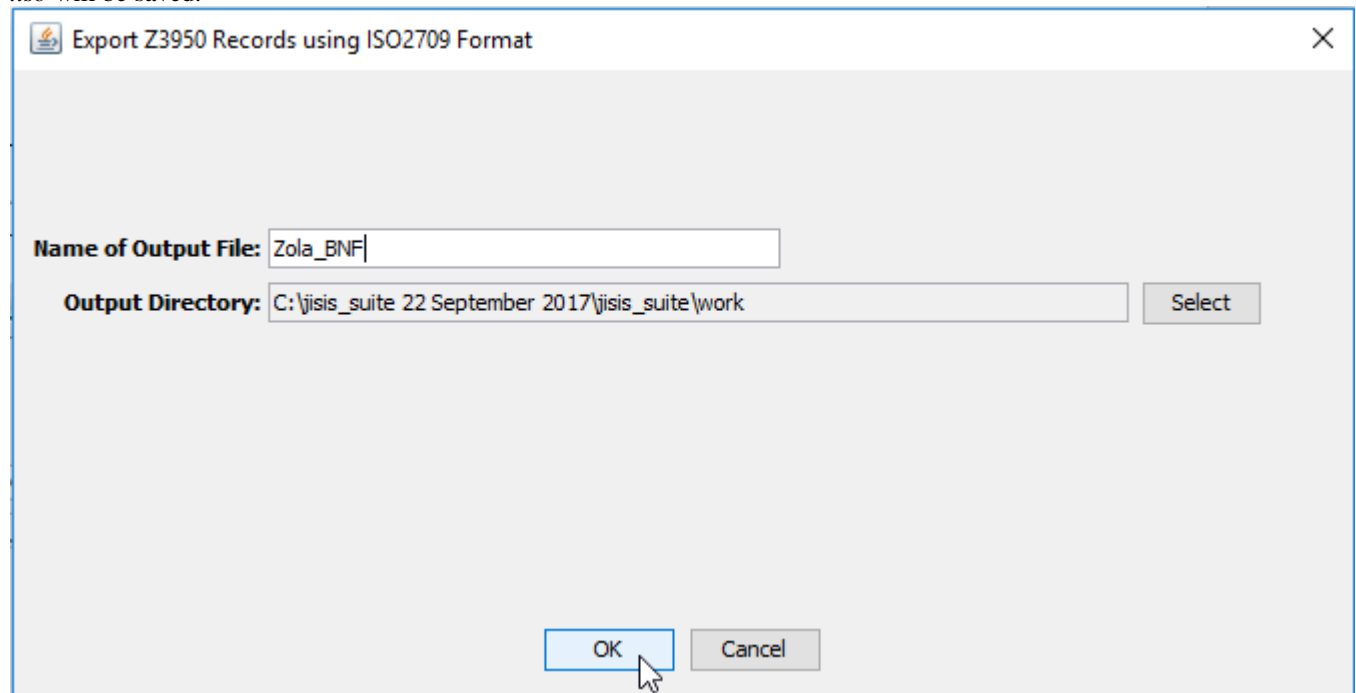
Category: All
Country: All
Server type: All

Title: AND
Author:

ISO2709
XML
MarcXML
TEXT
Database

<input checked="" type="checkbox"/>	S.No	Main Entry	Titre
<input checked="" type="checkbox"/>	2080	Zola -	Théâtre royal des Galeries Saint-Hubert de Bruxelles. Na...
<input checked="" type="checkbox"/>	2081	Bruneau -	Le Rêve, drame lyrique en quatre actes et 8 tableaux d'a...
<input checked="" type="checkbox"/>	2082	Zola -	Émile Zola. La République en marche , chroniques parlem...
<input checked="" type="checkbox"/>	2083	Bruneau -	L'Attaque du moulin. Drame lyrique, d'après Emile Zola. P...
<input checked="" type="checkbox"/>	2084	Gallet -	Le Rêve, drame lyrique en 4 actes, 8 tableaux d'après le ...
<input checked="" type="checkbox"/>	2085	Zola -	Émile Zola. Les Rougon-Macquart , histoire naturelle et so...

A dialog box will appear as below. Enter the name of output ISO file and select the directory where the file (with extension *.iso*) will be saved.



The dialog box is titled "Export Z3950 Records using ISO2709 Format" and has a close button (X) in the top right corner. It contains two input fields: "Name of Output File:" with the text "Zola_BNF" and "Output Directory:" with the text "C:\jisis_suite 22 September 2017\jisis_suite\work". A "Select" button is located to the right of the "Output Directory:" field. At the bottom, there are "OK" and "Cancel" buttons. A mouse cursor is pointing at the "OK" button.

Export Z3950 Records using ISO2709 Format

Name of Output File: Zola_BNF

Output Directory: C:\jisis_suite 22 September 2017\jisis_suite\work **Select**

OK **Cancel**

NOW, WE WILL IMPORT THIS ISO FILE INTO A J-ISIS DATABASE. Choose **{Database ⇒ J-ISIS Import Wizard}**. Select the ISO file just exported and change encoding to UTF-8

The screenshot shows the 'J-ISIS Import Wizard' dialog box, step (1). On the left, a 'Steps' pane lists: 1. Select External File, 2. Import Options, 3. Database, and 4. Parameters. The main area is titled '(1)' and contains the following fields and options:

- External File:** A text box containing ':_suite 22 September 2017\jisis_suite\work\Zola_BNF.iso' and a browse button '...'. Below it, an **Encoding:** dropdown menu is set to 'UTF-8'.
- In Which Format:** A section header for the format selection.
- MARC Record Structure - MARC stands for: Machine Readable Cataloging**
 - ☒ **ISO2709 Format (or MARC)**

The structure of all MARC records is based on an exchange format for bibliographic records as specified in the ANSI/NISO Z39.2 and ISO 2709:1996 standards.

☒ Consider Fields With Tags 001-009 As Data Fields
 - ☐ **MARCXML**

The structure of MARC records is defined in XML

In both cases, the markup tags and content are different for MARC21, UNIMARC, USMARC, CANMARC, UKMARC, etc. and can be defined at the FDT level.
- Other XML Formats**
 - ☐ MODS
 - ☐ DUBLIN CORE
- Character Separated Fields**
 - ☐ CSV

At the bottom right, there are five buttons: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'. The 'Next >' button is highlighted with a blue border.

Keep the Load import option and go to next wizard panel.

J-ISIS Import Wizard

Steps

1. Select External File
- 2. Import Options**
3. Database
4. Parameters

(2)

Import Options:

☒ **Load** The resulting data base will always be created, and will contain only the incoming records. If the data base already exists, it will be deleted and recreated. Because this option erases any records which may already exist in the data base, J-ISIS will always request a confirmation that you actually intend to do so.a

☐ **Merge** Merges the records in the input file with those already existing in the data base, if any. However, input records with the same MFN as an existing record are not replaced

☐ **Update** The same as Merge except that records with the same MFN are automatically replaced. Note that the Merge and Update options are functioning as described above only if you are importing the MFN of the records (i.e. you have filled the Tag containing MFN field).

< Back Next > Finish Cancel Help

Enter *Zola_BNF* as {**New Database Name**}, select the {**Create a database from Existing Plain Old FDT and FST**} radio button, and select the unimarc fdt and fst templates.

J-ISIS Import Wizard

Steps

1. Select External File
2. Import Options
- 3. Database**
4. Parameters

(3.2)

Select Database Home DEF_HOME

New Database Name Zola_BNF

☐ Create an Empty DB without FDT (The FDT will be created from the external data itself)

☒ Create a Database from Existing Plain Old FDT and FST

FDT File C:\jisis_suite 22 September 2017\jisis_suite\Test DB\Templates\unimarc.fdt ...

FST File C:\jisis_suite 22 September 2017\jisis_suite\Test DB\Templates\unimarc.fst ...

< Back Next > Finish Cancel Help

Change {**Input line length**} to 0 and check the {**Move Leader Info into 30XX fields**} checkbox. Finally click on {**Finish**}

J-ISIS Import Wizard

Steps

1. Select External File
2. Import Options
3. Database
4. **Parameters**

(4.1)

Input line length: (Use zero for no limit)

Subfield separator character: ▾

Reformatting FST: ▾

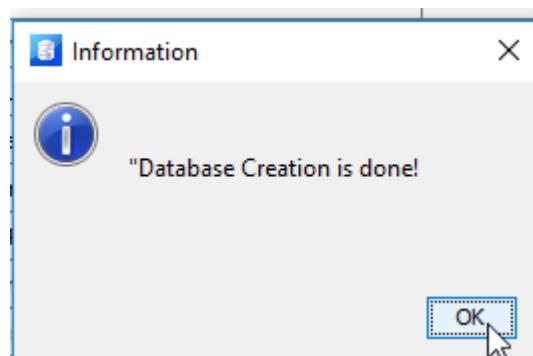
Move Leader Info into 30XX fields: ☒

First MFN to be assigned:

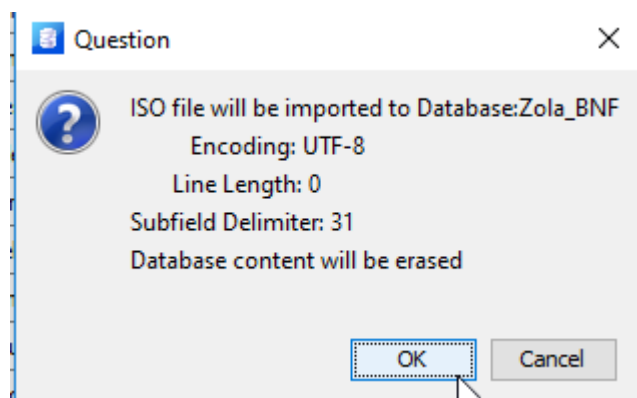
Tag containing MFN:

< Back Next > **Finish** Cancel Help

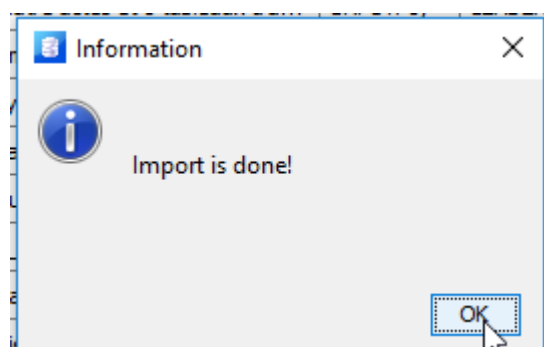
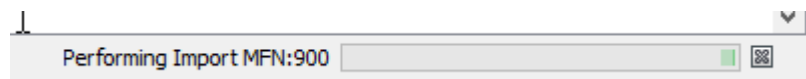
A dialog box will appear as below to inform that the database was created successfully.



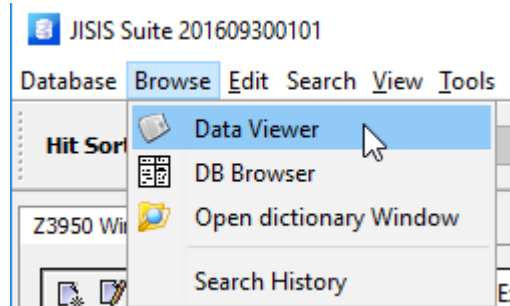
Summary of Import options, and last chance to cancel import processing.



Feedback on import process in right bottom corner.



Choose {Browse ⇒Data Viewer} and a window will open displaying the 1st record.



JISIS Suite 201609300101

Database Browse Edit Search View Tools Window Help

Hit Sort File: <none>

Z3950 Window x Data Viewer (DEF_HOME//Zola_BNF) x

MFN: 1 Format: RAW Record Count: 2487 Next MFN to be Assigned: 2488 Mark Menu Mark This Record ☐

RECORD(1)

Tag	Field/Occurrence
1:	<<FRBNF416754690000006>>
3:	<<http://catalogue.bnf.fr/ark:/12148/cb41675469c>>
39:	<< ^oARS^aFU396002860001P >>
100:	<< ^a20070101d1898 m y0frey50 ba>>
101:	<<0 ^aFRE>>
102:	<< ^aFR>>
105:	<< ^a z 00 >>
106:	<< ^ar>>
200:	<<1 ^aLe Procès Zola devant la Cour d'assises de la Seine et la cour de Cassation (7 février-23 février - 31 mars-2 avril 1898). Compte-rendu sténographique in extenso et documents annexes^bTexte imprimé>>
210:	<< ^aParis^d1898>>
215:	<< ^a2 vol.>>
503:	<<1 ^aProcès^eZola^j1898>>
801:	<< 0^aFR^bFR-751131015^c20070101^gAFNOR^hFRBNF416754690000006^2intermrc>>
930:	<< ^5FR-751041002:41675469001001^a8-NF-38265^b759999999^cArsenal - Magasin^dN>>

100%

JISIS Suite 201609300101

Database Browse Edit Search View Tools Window Help

Hit Sort File: <none>

Z3950 Window x Data Viewer (DEF_HOME//Zola_BNF) x

MFN: 2487 Format: RAW Record Count: 2487 Next MFN to be Assigned: 2488

Last MFN

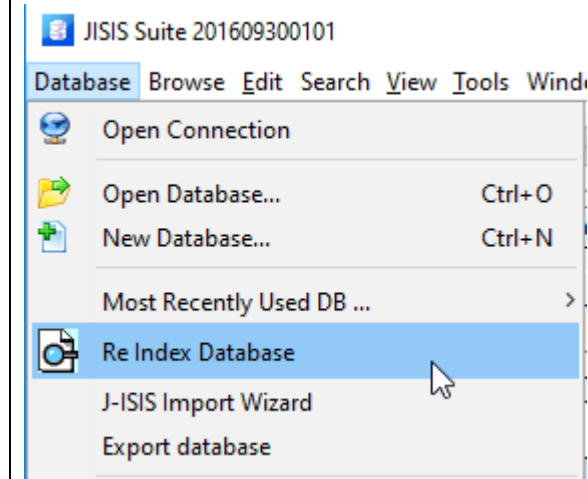
RECORD(2487)

Tag	Field/Occurrence
1:	<<FRBNF30604416000000X>>
3:	<<http://catalogue.bnf.fr/ark:/12148/cb30604416v>>
39:	<< ^oCRI^aCG007112330004P D>>
100:	<< ^a19970701g19051914m y0frey50 ba>>
101:	<<0 ^aFRE>>
102:	<< ^aFR>>
105:	<< ^a z 00 >>
106:	<< ^ar>>
200:	<<1 ^aLe Tract populaire, illustré [par le P. Hilaire de Barenton]. [1re série : 1-138]^bTexte imprimé>>
210:	<< ^aParis, 27, rue N.-D.-des-Champs (117, boulevard Raspail ; 30, rue Dutot ; 60, rue des Saints-Pères)^d(1905-1914)>>
215:	<< ^aIn-4°, fig.>>
300:	<< ^aCG007112330004P D = 1re des 2 notices qui couvrent l'ensemble du dépouillement>>
300:	<< ^aLa plupart de ces tracts sont signés : "P. Lahyre", et le plus grand nombre d'entre eux ne portent pas le titre de collection>>
	<<1 ^a1re série. 1-2. Pie X et la France. Le Concordat ; 3. Catholiques, défendez-vous ! ; 4 "hic" ["sic"] Aux valeurs ! Aux valeurs ! Défendez-vous !>>

100%

Output

DON'T FORGET TO INDEX THE DATABASE:



Z3950 Window x Data Viewer (DEF_HOME//Zola_BNF) x Dictionary (DEF_HOME//Zola_BNF) x

Index name: zember 2017\jisis_suite\home_example_db\Zola_BNF\indexes\master

Index Content Page 1 / 1

Number of fields: 4

Number of Records: 2487

Number of terms: 3090

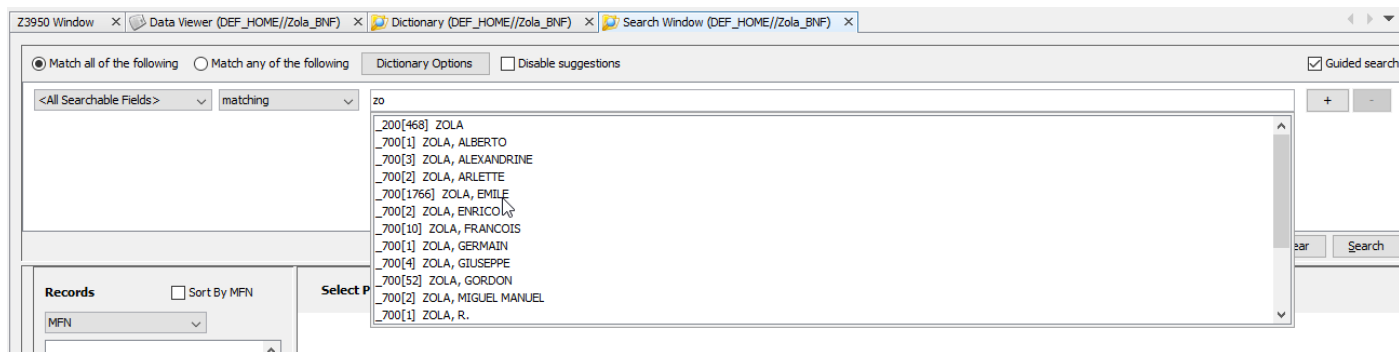
Last modified: Tue Oct 03 18:01:59 CEST 2017

Quick Search

Search: <All Searchable Fields>

Query:

iTerm	Field	Term	Freq
3061	_700	TEN BRINK, JAN	1
3062	_700	TOLSTOJ, LEV NIKOLAEVIC	5
3063	_700	TSENG YI, ZOLA	2
3064	_700	VAST-RICOUARD	1
3065	_700	VERHAEREN, EMILE	1
3066	_700	VOLLARD, AMBROISE	1
3067	_700	WALDECK-ROUSSEAU, PIERRE	1
3068	_700	WAN, MARCO	1
3069	_700	WEILL, NICOLAS	1
3070	_700	WHITE, CLAIRE	1
3071	_700	WISSANT, GEORGES DE	2
3072	_700	XIE, JIN	1
3073	_700	ZIMMER, BERNARD	1
3074	_700	ZOLA BANGANI, JEAN	1
3075	_700	ZOLA JESUS	2
3076	_700	ZOLA Y PONCE, GUSTAVO	2
3077	_700	ZOLA Y. TSEN	1
3078	_700	ZOLA, ALBERTO	1
3079	_700	ZOLA, ALEXANDRINE	3
3080	_700	ZOLA, ARLETTE	2
3081	_700	ZOLA, EMILE	1766
3082	_700	ZOLA, ENRICO	2
3083	_700	ZOLA, FRANCOIS	10
3084	_700	ZOLA, GERMAIN	1
3085	_700	ZOLA, GIUSEPPE	4
3086	_700	ZOLA, GORDON	52
3087	_700	ZOLA, MIGUEL MANUEL	2
3088	_700	ZOLA, R.	1
3089	_700	ZOLA, SALVATORE LUIGI	5



These examples are very simple and shows how it is easy to retrieve MARC format bibliographic records from Z39.50 servers, to import them into a J-ISIS database. All your comments, suggestions, improvement requests and bug descriptions are welcome.