

z39.50 Resource Configuration

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z39.50 Protocol

“This standard defines a client/server based service and protocol for Information Retrieval. It specifies procedures and formats for a client to search a database provided by a server, retrieve database records, and perform related information retrieval functions.”

<http://www.niso.org/standards/> (the US National Information Standards Organization site)

The process with z39.50 configurations

1. Take user's search, translate it for the target search engine, and retrieve number of hits
2. Retrieve records and convert to MetaLib's display format (physical and logical)
3. Create links for end users
 - a. OpenURL (SFX button)
 - b. Link to record in the native interface
 - c. 'Lateral' search links within full record
 - d. If OPAC, link to (or retrieve) holdings information
4. Test!

z39.50 configuration record layout

Static Header

? Resource Name: Academic Abstracts FullTEXT Elite (EBSCO) - SCIENCE

Institution: METALIB Configuration Code: EBSCO_AEH

Restart Z39 Access Method: Z39 Configuration Type: Full Record

Open Date: 04/03/02 Update Date: 06/01/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion OpenURL Sort

5 Tabs

The process with z39.50 configurations

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4. Test!

1. Adapt user's search

- “Term Transformations” tab – what for?
 - Defining z39.50 fields to search
 - Adapting queries to disparate targets

1. Adapt user's search – z39.50 attributes

Resource Name: ABI/INFORM Global Full Text (SP) - METALIB
Institution: METALIB
Restart Z39 Acc
Open Date: 2/12/01

VERY IMPORTANT –
After saving Z39 configuration data, restart Z39 Gate!

General Term Transformation

Search Transformation

Search Type	Transformation	Z39 Attributes
Title		u=4 t=l,r,b s=pw c=1
Author	17	u=1003 t=l,r,b s=pw c=1
Subject		u=21 t=l,r,b s=pw c=1
Year		u=31
All Fields		u=1016 t=l,r,b s=pw c=1
ISSN		u=8
ISBN		u=8
Optimal		

Lateral Term Transformation

In-Field Tag	Subfield	Search Type	Transformation
Title 24###	a	Title	1_2P...!*P_8P5P

1. Adapt user's search – z39.50 attributes

- z39.50 attributes:
 - u = use attribute (specifies indexes to search)
 - t = truncation attribute (defined as left, right, or both)
 - s = structure attribute (phrase or word)
 - c = completeness attribute (complete field or sub-field)
 - p = position attribute (anywhere in field or first in field)
 - r = relation attribute ('equal' is default)

1. Adapt user's search – term transformations

Converts user's MetaLib query to target's search format by applying specified term transformations

MetaLib Search (/V)

The screenshot displays the MetaLib search interface. On the left, the 'Term Transformation' tab is active, showing a list of search types: Title, Author, Subject, Year, All Fields, ISSN, ISBN, and Optimal. The 'All Fields' option is circled in orange. A blue box highlights the ISSN field with the value '27P-a3P'. A blue arrow points from this box to the 'Advanced' search tab. The 'Advanced' search tab is also circled in orange and shows search options for 'Search in fields' (All Fields) and a 'GO' button. Below this, a table lists selected databases for the 'Engineering' set.

Database Name	Type	Actions
<input checked="" type="checkbox"/> Applied Science Tech (Wilson)	Index	i +
<input checked="" type="checkbox"/> Biotech & Bioengineering (CSA)	Index	i +
<input checked="" type="checkbox"/> Ei Compendex (SP)	Index	i +
<input checked="" type="checkbox"/> Mechanical Engineering (CSA)	Index	i +
<input checked="" type="checkbox"/> Energy Citations (DOE)	Index	i +

1. Adapt user's search – term transformations

- Programs to optimise search
- Make adjustments to user's search string, taking into consideration target requirements
- There are 30 term transformations to date

1. Adapt user's search – term transformations

7P 2P . , ; : ! " * - P

- Transformation **2** = remove the 'following' symbols from the query
- Transformation **7** = remove all text from and including the symbols
- Join transformations together with an underscore

1. Adapt user's search – character conversion

[?](#) Resource Name: ABI/INFORM Global Full Text (SP) - METALIB
Institution: METALIB Configuration Code: SILVER_UMAF
[Restart Z39](#) Access Method: Z39 Configuration Type: Full Record
Open Date: 21/12/01

General Term Transformation

Converts user's search from UTF-8 to appropriate character set for target

Field Name	Value
Version	<input type="text"/>
Outgoing character conversion	UTF_TO_MARC8
Record Type	USMARC
Conversion program	vir_z00_z39_usmarc
Conversion	MARC8_TO_UTF
Results list	No
Linking method	<input type="text"/>
Object link type	<input type="text"/>
Link Field Tag	035
Z39 Record Type	USMARC
Elementname	<input type="text"/>

UTF_TO_8859_1
UTF_TO_8859_2
UTF_TO_8859_5
UTF_TO_8859_7
Etc.

The process with z39.50 configurations

1. Take user's search, translate it for the target search engine, and retrieve number of hits
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4. Test!

2. Records – format request

USMARC
UKMARC
UNIMARC
DANMARC
MAB
SUTRS
XML

Type of record from z39 server:

F = Full record

T = Full text

B = Brief record

Blank = default

Z39.50 server definitions

Z39 Record Type

Elementsname

Deactivate Setnames?

Retrieve only one record at a time?

2. Records – physical conversion

Resource Name: ABI/INFORM Global Full Text (SP) - METALIB

Institution: METALIB **Configuration Code:** SILVER_UMAF

Restart Z39 Access Method: Z39 **Configuration Type:** Full Record

Open Date: 21/12/01 **Update Date:** 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion

General

Field Name	
Outgoing character conversion	UTF_TO_MARC8
Record Type	USMARC
Format conversion program	vir_z00_z39_usmarc

Z39 Record Type: USMARC

Elementsname:

Enter program used to convert incoming records into standard MetaLib format

vir_z00_z39_mab *for MAB format*
vir_z00_z39_usmarc *for MARC format*
Non-standard formats (SUTRS, XML)

2. Records – SUTRS: what is it?

Simple **U**nstructured **T**ext **R**ecord **S**yntax

- Non-standard format – no numerical field tags
 - **Author** **Smith, Mary**
 - **Title** **History of Libraries**
- MetaLib has six special programs for SUTRS **physical** conversion
- Requires a format conversion table

2. Records – SUTRS conversion tables

- SUTRS tables edited in Conversion tab

SUTRS Conversion Table				
	Incoming SUTRS Field Tag	MARC Tag	Subfield	Split Character
<input type="checkbox"/> <input type="checkbox"/>	A1 ALERT INFO	ALERT		
<input type="checkbox"/> <input type="checkbox"/>	AB ABSTRACT	520		
<input type="checkbox"/> <input type="checkbox"/>	AD ADDRESS	545		
<input type="checkbox"/> <input type="checkbox"/>	AF AUTHOR AFFILIATION	545		
<input type="checkbox"/> <input type="checkbox"/>	AG AGENCY	AG		
<input type="checkbox"/> <input type="checkbox"/>	AN ACCESSION NUMBER	001		
<input type="checkbox"/> <input type="checkbox"/>	AP PATENT APPLICANT	013		
<input type="checkbox"/> <input type="checkbox"/>	AS PATENT ASSIGNEE	013		
<input type="checkbox"/> <input type="checkbox"/>	AU AUTHOR	100	a	;
<input type="checkbox"/> <input type="checkbox"/>	AV AVAILABILITY	260		
<input type="checkbox"/> <input type="checkbox"/>	CA CORPORATE AUTHOR	710		

2. Records - logical conversion

Map from original field to new field

- For uniform display
- Extract data from non-standard formats
- To hide fields

2. Records - logical conversion

Resource Name: ABI/INFORM Global Full Text (SP) - METALIB
 Institution: METALIB Configuration Code: SILVER_UMAF
 Access Method: Z39 Configuration Type: Full Record
 Open Date: 21/12/01 Update Date: 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations **Conversion** OpenURL Applications Sort

Original Format → Converted Format

In Tag	In Subfield	Program	Parameters	Action	Condition
008##		Count from Start	YR,a,8,4	ADDNEW	
017##	b	Count from Start	500,a	ADDNEW	
901##		Count from End	900,a	ADDNEW	
773##	x	Parser	022,a	ADDNEW	
773##	t	Remove Asterisk	ISSU,a,Pt\N wG:	ADDNEW	
		Subfield Order			
		ISSN or ISBN			
		RegExp			
		IS Zetoc			

Search Results

Search for "Word from ..." in EconLit (EBSCO)

Full View **Table View** Brief View Jump to #: 
570 of 5763 records <Previous Next>

Resource: [EconLit \(EBSCO\)](#)
Title: Social Protection for **Urban** Informal Sector Workers: Micro Evidence from Erode District, Tamil Nadu
Author: Ambalavanan, V.
Chikkiah Naicker College, Erode
Add.Author / Editor: Madheswaran, S.
Corp.Author: Gokhale Institute of Politics & Econ, Pune
Citation: Indian Journal of Labour Economics 44 4 601-19
Year: 2001
Abstract: An attempt has been made in this paper to analyse the social protection measures available to **urban** informal sector workers in Erode district of Tamil Nadu. The problem was approached with the objective of studying the working conditions, the security of employment and income, the health status and health security of workers, the nature of relationship between employer and employees and the willingness to participate in a contributory insurance scheme. To accomplish the fulfillment of the objectives of this study, the respondents were selected using stratified random sample from tannery, bleaching, calendering, dyeing, sizing, screen-printing and powerloom units. The descriptive analysis of this paper clearly shows that the workers in the Erode **urban** informal sector face high degree of employment and health insecurity. As far as income of these workers is concerned, it may apparently seem that they are enjoying income security, but if high cost of living at Erode town is taken into account along with average weekly

Click to see original/converted record views

2. Records - conversion example

Search Results

Fields containing data to convert

Choose format: Original Converted

LDR	^^^^^nam^^2200229z^^4500
008	^^^^^^20032003 
035	a 200300162004
036	a 20031220
10010	a Mendel,-Carl-M [Inventor,-Reprint-Author]
24510	a Prevention or treatment of insomnia with a neurokinin-1 receptor antagonist
513	a Patent
520	a A tachykinin antagonist is useful, alone or in conjunction with other agents, for altering circadian rhythmicity and alleviating circadian rhythm disorders and for enhancing and improving the quality of sleep.
546	a English
590	a Y
65014	a Neurology-: Human-Medicine, Medical-Sciences
65014	a Pharmacology-
65014	a Psychiatry-: Human-Medicine, Medical-Sciences
65024	a neurokinin-1-receptor-antagonist: antipsychotic-drug
65320	a insomnia-: (Sleep-Initiation-and-Maintenance-Disorders-(MeSH)), behavioral-and-mental-disorders, nervous-system-disease, drug-therapy, prevention-and-control
70010	a Waldstreicher,-Joanne [Inventor]
7730	t Official-Gazette-of-the-United-States-Patent-and-Trademark-Office-Patents. 2003; 1267(4) x 0098-1133 
85642	a http://www.uspto.gov/web/menu/patdata.html
SID	a Z39 b SILVER_BIOSIS d EXL00676 e SCIENCE i 051154 j 000001
RANK	045
FTEXT	a N
SYS	000163970

2. Records - conversion example

Example:

008

^^^ ^^ 20032003



In Tag	Subfield	Program	Parameters	Action
008##		Count from Start	YR,a,8,4	ADDNEW

Create YR from the 008,a field using 4 characters starting at the 8th position

2. Records - conversion example

Example:

7730 |t Official-Gazette-of-the-United-States-Patent-and-Trademark-Office-
Patents. 2003; 1267 (4) |x 0098-1133



In Tag	Subfield	Program	Parameters	Action
773##	x		022,a	ADDNEW

Convert ISSN from 773,x to 022,a which is the MARC21 standard for ISSN fields

2. Records - conversion example

Search Results

Fields containing data to convert

Choose format: Original Converted

LDR	^^^^^nam^^2200229z^^4500
008	^^^^^^20032003 
035	a 200300162004
036	a 20031220
10010	a Mendel,-Carl-M [Inventor,-Reprint-Author]
24510	a Prevention or treatment of insomnia with a neurokinin-1 receptor antagonist
513	a Patent
520	a A tachykinin antagonist is useful, alone or in conjunction with other agents, for altering circadian rhythmicity and alleviating circadian rhythm disorders and for enhancing and improving the quality of sleep.
546	a English
590	a Y
65014	a Neurology-: Human-Medicine, Medical-Sciences
65014	a Pharmacology-
65014	a Psychiatry-: Human-Medicine, Medical-Sciences
65024	a neurokinin-1-receptor-antagonist: antipsychotic-drug
65320	a insomnia-: (Sleep-Initiation-and-Maintenance-Disorders-(MeSH)), behavioral-and-mental-disorders, nervous-system-disease, drug-therapy, prevention-and-control
70010	a Waldstreicher,-Joanne [Inventor]
7730	t Official-Gazette-of-the-United-States-Patent-and-Trademark-Office-Patents. 2003; 1267(4) x 0098-1133 
85642	a http://www.uspto.gov/web/menu/patdata.html
SID	a Z39 b SILVER_BIOSIS d EXL00676 e SCIENCE i 051154 j 000001
RANK	045
FTEXT	a N
SYS	000163970

2. Records - conversion example

Search for "Title=(insomnia) ..." in BIOSIS Previews (SP)

Table View Brief View Full View Jump to #: Sort by:

1 of 1 records



Resource: BIOSIS Previews (SP)

Title: Prevention or treatment of insomnia with a neurokinin-1 receptor antagonist

Author: Mendel,-Carl-M [Inventor,-Reprint-Author]

Add.Author / Editor: Waldstreicher,-Joanne [Inventor]

Citation: Official-Gazette-of-the-United-States-Patent-and-Trademark-Office-Patents. 2003; 1267(4)

Year: 2003

Abstract: A tachykinin antagonist is useful, alone or in conjunction with other agents, for altering circadian rhythmicity and alleviating circadian rhythm disorders and for enhancing and improving the quality of sleep.

Subject: Neurology-: Human-Medicine, Medical-Sciences
Pharmacology-
Psychiatry-: Human-Medicine, Medical-Sciences
neurokinin-1-receptor-antagonist: antipsychotic-drug
insomnia-: (Sleep-Initiation-and-Maintenance-Disorders-(MeSH)), behavioral-and-mental-disorders, nervous-system-disease, drug-therapy, prevention-and-control

ISSN: 0098-1133

Type: Patent

Language: English



2. Records – conversion programs

- Count from Start
- Count from End
- Parser
- Remove Asterisk
- Subfield Order
- ISSN or ISBN
- RegExp
- IS Zetoc

2. Records – conversion actions

- Blank (move original to converted)
- ADDNEW
- DELETE
- SPLIT
- SPLIT_CHAR
- MERGE

2. Records – character conversion

Resource Name: ABI/INFORM Global Full Text (SP) - METALIB

Institution: METALIB **Configuration Code:** SILVER_UMAF

Restart Z39 Access Method: Z39 **Configuration Type:** Full Record

Open Date: 21/12/01 **Update Date:** 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion OpenURL Applications Sort

Field Name

Version

Outgoing character conversion UTF_TO_MARC8

Record Type USMARC

Format conversion program vir_z00_z39_usmarc

Incoming character conversion MARC8_TO_UTF

Jump to native interface (from results list) No

Holding method

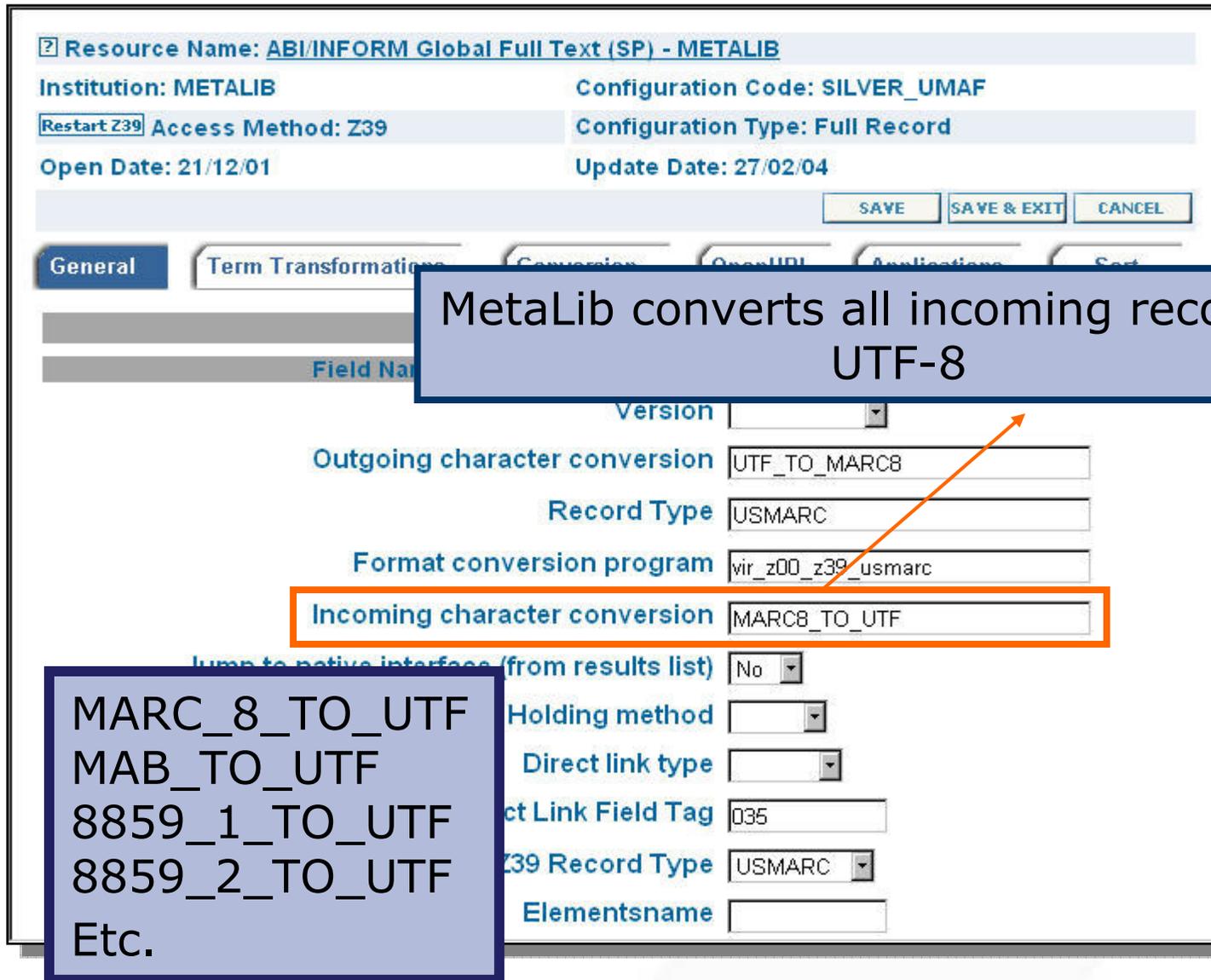
Direct link type

Direct Link Field Tag 035

Z39 Record Type USMARC

Elementsname

MARC_8_TO_UTF
MAB_TO_UTF
8859_1_TO_UTF
8859_2_TO_UTF
Etc.



The process with z39.50 configurations

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3. Create links for end users
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 - d. If OPAC, link to (or retrieve) holdings information
4. Test!

3a. Create links – OpenURL

- Identifies fields for OpenURL
- Needed for SFX
- Extracts metadata

Books

- YEAR
- ISBN
- TITLE
- AUTHOR-FIRST
- AUTHOR-LAST

Articles

- YEAR
- ISSN
- TITLE
- ARTICLE-TITLE
- VOLUME
- ISSUE
- START-PAGE
- AUTHOR-FIRST
- AUTHOR-LAST

3a. Create links – OpenURL tab

Resource Name: [ABI/INFORM Global Full Text \(SP\) - METALIB](#)
Institution: METALIB Configuration Code: SILVER_UMAF
Restart Z39 Access Method: Z39 Configuration Type: Full Record
Open Date: 21/12/01 Update Date: 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion **OpenURL** Applications Sort

Update SFX Parameters

#	If Field	If Field Contains	OpenURL Element	Tag	Program	Parameters
<input type="checkbox"/>			YEAR	YR		a
<input type="checkbox"/>			ISSN	022##		a
<input type="checkbox"/>			TITLE	773##	Parser	Pt\SWAIG.
<input type="checkbox"/>			ARTICLE-TITLE	245##		a
<input type="checkbox"/>			AUTHOR-FIRST	100##	Author LastFirst	Pa
<input type="checkbox"/>			AUTHOR-LAST	100##	Author LastFirst	Pa
<input type="checkbox"/>			AUTHOR-FIRST	700##	Author LastFirst	Pa
<input type="checkbox"/>			AUTHOR-LAST	700##	Author LastFirst	Pa

Metadata →

3a. Create links – OpenURL tab

University of Science SCIENCE

Search Results

Choose format: Original Converted

51D |a Z39 |b SILVER_BIOSIS |d EXL00676 |e SCIENCE |i 051155 |j 000022
 LDR ^^^^^^nam^^22002652^^4500
 008 ^^^^^^20022002
 022 |a 0090-6964
 035 |a 200200392239
 036 |a 20020709
 10010 |a Moore,-James-E,-Jr [Reprint-author]
 24510 |a Fluid and solid mechanical implications of vascular stenting
 513 |a Literature-Review |a Article
 520 |a Vascular stents have emerged as an effective treatment for occlusive vascular disease. Despite their success and widespread use, outcomes for patients receiving stents are still hampered by thrombosis and restenosis. As arteries attempt to adapt to the mechanical changes created by stents, they may in fact create a new flow-limiting situation similar to that which they were intended to correct. In vitro fluid mechanics and solid mechanics studies of stented vessels have revealed important information about how stents alter the mechanical environment in the arteries into which they are placed. Adverse non-laminar flow patterns have been demonstrated as well as remarkably high stress concentrations in the vessel wall. In vivo studies of stented vessels have also shown a strong relationship between stent design and their dynamic performance within arteries. Alterations in pressure and flow pulses distal to the stent have been observed, as well as regional changes in vascular compliance. Considering the influence of flow and stress on the vascular response and the suboptimal clinical outcomes associated with stenting, knowledge gained from stent/artery mechanics studies should play an increasingly important role in improving the long-term patency of these devices.

545 |a Biomedical Engineering Institute, Florida International University, Miami, FL, 33174, USA
 546 |a English
 590 |a Y
 65014 |a Cardiovascular-System: Transport-and-Circulation
 65014 |a Methods-and-Techniques
 65320 |a occlusive-vascular-disease
 656 7 |x vascular-stenting: surgical-method, therapeutic-method
 656 7 |x vascular-stents: medical-equipment
 691 |a fluid-dynamics
 691 |a stent-patency
 70010 |a Berry,-Joel-L [Author]
 7730 |t Annals-of-Biomedical-Engineering. 2002; 30(4): 498-508 |x 0090-6964
 85642 |a james@eng.fiu.edu
 YR |a 2002
 RANK 047
 FTEXT |a N
 SYS 000163992

METALIB

Registration Code: SILVER_UMAF

Registration Type: Full Record

Date: 27/02/04

SAVE SAVE & EXIT CANCEL

Converted Record

Configure SFX Parameters

URL	Tag	Program	Parameters
	YR		a
	022##		a
	773##	Parser	Pt\SWAIG.
E-TITLE	245##		a
R-FIRST	100##	Author LastFirst	Pa
R-LAST	100##	Author LastFirst	Pa
R-FIRST	700##	Author LastFirst	Pa
R-LAST	700##	Author LastFirst	Pa

3a. Create links – OpenURL

The OpenURL is created from the **Converted** record, not from the Original record.

3a. Create links – OpenURL tab

Resource Name: [ABI/INFORM Global Full Text \(SP\) - METALIB](#)
Institution: METALIB Configuration Code: SILVER_UMAF
Restart Z39 Access Method: Z39 Configuration Type: Full Record
Open Date: 21/12/01 Update Date: 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion **OpenURL** Applications Sort

Update SFX Parameters

#	If Field	If Field Contains	OpenURL Element	Tag	Program	Parameters
	YEAR		YEAR	YR		a
	ISSN		ISSN	022##		a
	TITLE		TITLE	773##	Parser	Pt\SWAIG.
	ARTICLE-TITLE		ARTICLE-TITLE	245##		a
	AUTHOR-FIRST		AUTHOR-FIRST	100##	Author LastFirst	Pa
	AUTHOR-LAST		AUTHOR-LAST	100##	Author LastFirst	Pa
	AUTHOR-FIRST		AUTHOR-FIRST	700##	Author LastFirst	Pa
	AUTHOR-LAST		AUTHOR-LAST	700##	Author LastFirst	Pa

Parsing programs extract metadata from converted record to create OpenURL

3a. Create links – OpenURL tab

Resource Name: [ABI/INFORM Global Full Text \(SP\) - METALIB](#)
Institution: METALIB Configuration Code: SILVER_UMAF
Restart Z39 Access Method: Z39 Configuration Type: Full Record
Open Date: 21/12/01 Update Date: 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion **OpenURL** Applications Sort

Update SFX Parameters

#	Program	Parameters
[C]		a
[C]	#	a
[C]	# Parser	Pt\SWA\G.
[C]	#	a
[C]	# Author LastFirst	Pa
[C]	# Author LastFirst	Pa
[C]	# Author LastFirst	Pa
[C]	# Author LastFirst	Pa
[C]	AUTHOR-LAST 700##	Author LastFirst Pa

Parameters:

- P** – Program parameter - subfield should be used
- \S** – Start of parsing
- \G** – End of parsing

3a. Create links – OpenURL example

Example:

773 t Journal of School Health | g v69 n9 p347-55



Field	Tag	Program	Param
START-PAGE	773##	Parser	Pg\Sp\G

Subfield g, start at "p", end at first hyphen or space

3a. Create links – OpenURL example

Example:

773 t Journal of School Health, 69, 9, 347-55



Field	Tag	Program	Param
START-PAGE	773##	Counting Parser	Pt\S,3\G

*Subfield t, start at 3rd comma,
end at first hyphen*

3a. Create links – OpenURL programs

- Parser
- Reg Exp
- Counting Parser
- Count from Start
- Count from End
- Author First Last
- Author Last First
- Perl

3b. Create links – link to record

[?](#) Resource Name: ABI/INFORM Global Full Text (SP) - METALIB

Institution: METALIB Configuration Code: SILVER_UMAF

[Restart Z39](#) Access Method: Z39 Configuration Type: Full Record

Open Date: 21/12/01 Update Date: 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion OpenURL Applications Sort

General Information

Field Name	Version
Outgoing character conversion	
Record Type	
Format conversion program	
Incoming character conversion	
Jump to native interface (from results list)	
Holding method	
Direct link type	<input type="text"/>
Direct Link Field Tag	<input type="text" value="035"/>
Z39 Record Type	<input type="text" value="USMARC"/>
Elementsname	<input type="text"/>

Defines which data element from **original** record is used to create SID field (\$0100 variable in 'link to records syntax' in IRD)

3c. Create links – lateral search links

Converts user's lateral search to standard MetaLib search format by applying specified term transformations

Lateral Search from Full Record (/V)

In-Field Tag	Subfield	Search Type
Title 24###	a	Title
Author 1####	ab	Author
Subject 6####		Subject
Add. Author 7####	ab	Author

Term Transformations tab

Full View Table View Brief View Jump to #:

10 of 3401 records <Previous Next>

 Academic Search Elite (EBSCO)

Resource: [Academic Search Elite \(EBSCO\)](#)

Title: [Maps that changed the shape of Great Britain.](#)

Author: [Crane, Nichlas](#)

Add. Author / Editor: [Crane, Nichlas](#)

Citation: Geographica Oct2004, Vol. 76 Issue 10, p63

Year: 2004

Abstract: Presents information on the television series "Mapman," which explores the masterpiece maps of Great Britain from the [Middle Ages](#) to a 17th-century coastal chart. Role of maps in changes in British landscapes since the 1300s; Discussion on the Gough map. Plan of Christopher Saxton, a surveyor from Yorkshire, England, to produce an accurate map of Norfolk; Efforts of Captain Greenville Collins to complete the survey of British coasts. INSETS Decoding the Gough map; Decoding Oglby's road atlas, Britannia; Decoding Collins's Coasting Pilot.

Subject: [SAXTON, Christopher](#)
[COLLINS, Greenville](#)
[MAPMAN \(TV program\)](#)
[NORFOLK \(England\)](#)
[ENGLAND](#)

3d. Create links – link to holdings (OPACs)

Resource Name: ABI/INFORM Global Full Text (SP) - METALIB
Institution: METALIB **Configuration Code:** SILVER_UMAF
Restart Z39 Access Method: Z39 **Configuration Type:** Full Record
Open Date: 21/12/01 **Update Date:** 27/02/04

SAVE SAVE & EXIT CANCEL

General Term Transformations Conversion OpenURL Applications Sort

General Information

Field Name	Value
Version	
Outgoing character conversion	
Record Type	
Format conversion program	vir_z00_z39_usmarc
Incoming character conversion	MARCS
Jump to native interface (from results list)	No
Holding method	
Direct link type	
Direct Link Field Tag	035
Z39 Record Type	USMARC
Elementsname	

Creates a link to Holdings within the records

OPAC or JUMP

3d. Create links – link to holdings (OPACs)

Search Results

Search for "Word from ..." in SHU Learning Centre Catalogue

Full View Table View Brief View Jump to #:

1 of 3 records <Previous Next>

Resource: [SHU Learning Centre Catalogue](#)

Title: [Insomnia](#) directed by Eirik Skjoldbjaerg.; [VIDEO OFF-AIR]

Author: Skjoldbjaerg, E.

Note: release date: 1997.
in Norwegian with English subtitles.

Dewey no.: 791.43092 SKJOLDBJAERG

Imprint: : Channel 4 , 2000 Sep.12..

Holdings: [SHU Learning Centre Catalogue](#)

Holdings

Item 1

Field	
Local location	Psalter - Media Coll.
Call number	791.43092 SKJOLDBJAERG
Public note	NOT ON LOAN

Powered by MetaLib

OPAC - for z39.50 Resources (retrieves holdings)
JUMP - for ALEPH Resources (links to holdings) – *URL defined in IRD record, primary presentation tab*

The process with z39.50 configurations

1. Take user's search, translate it for the target search engine, and retrieve number of hits
2. Retrieve records and convert to MetaLib's display format (physical and logical)
3. Create links for end users
 - a. OpenURL (SFX button)
 - b. Link to record in the native interface
 - c. 'Lateral' search links within full record
 - d. If OPAC, link to (or retrieve) holdings information
4. Test!

4. Testing

Testing is **part** of configuration

- Following initial configuration, all components must be tested
 - Field searches – Title, Year, ISSN, ISBN etc (as appropriate)
 - Phrase searching
 - Display of records
 - OpenURL elements
 - Other links you have configured

Hands On



Exercise 6

Look at Z39.50 configuration

Documentation

- Configuration
 - Resource Management Guide, Section 8

Thank You!

