

SirsiDynix Symphony Bath Profile Release 2.0 Document¹

Server Information

Domain Name:	Assigned by Site
Database Name:	UNICORN
Port Number:	2200
Server Software Vendor:	SirsiDynix
Implementation ID:	Unicorn 3.2 Bath ⁶
Z39.50 Protocol Version:	3
Preferred Message Size:	16,000 bytes
Maximum Record Size:	16,000 bytes

Server Options Supported

General Options	Search, Present, Scan, Sort, Delete Result Set, Named Result Sets
Attribute Type	Type-1, Type-101
Element Set Names	F (full), B (brief)
Record Syntax	MARC21, SUTRS, XML

Encoding Definitions

The Z39.50 standard makes use of attributes to code a client's query so that the receiving server can process the query correctly. These are the six encoding definitions provisions for the standard:

1. Use or Index (Specifies which data field(s) the query should be processed to)
2. Relation (Controls the order of numerical expression)
3. Position (Specifies the location of term(s) within the fields for matching query)
4. Structure (Specifies the structure of data in the query)
5. Truncation (Specifies type of truncation processing for query)
6. Completeness (Specifies query processing by subfield)

Attribute Value Notes

Use Attributes	1	personal name
	2	corporate name
	3	conference name
	4	title
	5	title series
	6	uniform title
	7	ISBN
	8	ISSN
	9	LC Control Number
	12	local control number
	21	subject heading
	25 ⁸	MESH subject
	27 ⁸	LC subject heading
	28 ⁸	RVM subject heading
	31	date of publication
	33	title key
	50	no. govt. pub.
	51	no. music publisher
	54	code-language
	58	geographic name
	63	note
	1001	record type
	1002	name
	1003	author
	1004	author-name personal
	1005	author-name corporate
	1006	author-name conference
	1007	identifier-standard
	1008 ⁸	Subject—LC children's
	1010	body of text
	1016	any
	1018	publisher
	1027	report-number
	1031	material-type
	1032	doc-id
	1033	title-host-item
	1044	possessing institution
	1075	genre/form subject
	1079	topical subject
	1088 ⁸	Subject—NAL
	1092	International standard music number (ISO 10957) ISMN
	1104	resource identifier
	1105	DC-Language

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Relation Attribute:	1	Less Than	Structure Attribute:	1	Phrase
	2	Less Than or Equal		2	Word ²
	3	Equal		4	Year
	4	Greater Than or Equal		6	Word List
	5	Greater Than		101	Normalized Name
Position Attribute:	1	First in Field	Truncation Attribute:	1	Right Truncation
	3	Any Position in Field		100	Do Not Truncate
			Completeness Attribute:	1	Incomplete Subfield
				3	Complete Subfield

Server Supported Bib-1 Attribute Table³

<i>Bath Profile Release 2.0 Search Name⁴</i>	<i>Use</i>	<i>Relation</i>	<i>Position</i>	<i>Structure</i>	<i>Truncation⁵</i>	<i>Completeness</i>
Author Search – Precision Match for Established Name Headings	1003	3	3	101	100	1
Title Search – Keyword	4	3	3	2	100	1
Subject Search – Keyword	21	3	3	2	100	1
Any Search – Keyword	1016	3	3	2	100	1
Author Search – Precision Match for Established Name Heading with Right Truncation	1003	3	3	101	1	1
Author Search – Keyword	1003	3	3	2	100	1
Author Search – Keyword with Right Truncation	1003	3	3	2	1	1
Author Search – Exact Match	1003	3	1	1	100	3
Title Search – Keyword with Right Truncation	4	3	3	2	1	1
Title Search – Exact Match	4	3	1	1	100	3
Title Search – First Words in Field	4	3	1	1	100	1
Title Search – First Characters in Field	4	3	1	1	1	1
Subject Search – Keyword with Right Truncation	21	3	3	2	1	1
Subject Search – Exact Match	21	3	1	1	100	3
Subject Search – First Words in Field	21	3	1	1	100	1
Subject Search – First Characters in Field	21	3	1	1	1	1
Key Title Search – Keyword with Right Truncation	33	3	3	2	1	1
Key Title Search – Exact Match	33	3	1	1	100	3
Key Title Search – First Words in Field	33	3	1	1	100	1
Key Title Search – First Characters in Field	33	3	1	1	1	1
Any Search – Keyword with Right Truncation	1016	3	3	2	1	1
Standard Identifier Search	1007	3	1	1	100	1
Date of Publication Search	31	1, 2, 3, 4, 5	1	4	100	1
Code Language Search	54	3	3	2	100	1
Title Search – Unanchored Phrase	4	3	3	1	100	1

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Subject Search – Unanchored Phrase	21	3	3	1	100	1
Any Search – Unanchored Phrase	1016	3	3	1	100	1

Server Supported Bib-1 Attribute Table³

<i>Bath Profile Release 2.0</i> <i>Scan Name</i>	<i>Use</i>	<i>Position</i>	<i>Structure</i>
Author – Exact Match	1003	1	1
Title – Exact Match	4	1	1
Title – Keyword	4	3	2
Subject – Exact Match	21	1	1
Subject – Keyword	21	3	2
Any – Keyword	1016	3	2

Server Supported Bib-1 Attribute Table³

<i>Z Texas Release 3.0</i> <i>Search Name⁷</i>	<i>Use</i>	<i>Relation</i>	<i>Position</i>	<i>Structure</i>	<i>Truncation⁵</i>	<i>Completeness</i>
ISBN Search	7	3	1	1	100	1
ISSN Search	8	3	1	1	100	1
Remote System Record No. Search	12	3	1	1	100	1
Code Language Search	54	3	3	2	100	1
Uniform Title Search – Keyword with Right Truncation	6	3	3	2	1	1
Uniform Title Search – Exact Match	6	3	1	1	100	3
Uniform Title Search – First Words in Field	6	3	1	1	100	1
Uniform Title Search – First Characters in Field	6	3	1	1	1	1
Series Title Search – Keyword with Right Truncation	5	3	3	2	1	1
Series Title Search – Exact Match	5	3	1	1	100	3
Series Title Search – First Words in Field	5	3	1	1	100	1
Series Title Search – First Characters in Field	5	3	1	1	1	1

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Holdings Information

The holdings information (item and serial) is delivered in designated MARC tags in the MARC 21, SUTRS and XML record syntaxes. When the ISO XML Holdings is finalized (sometime in 2008) the server will support the output of holdings in XML based on this standard.

The default MARC tags used to output holdings are the 926 (item level) and 927 (derived from serial marc holdings). Note that Symphony libraries have the option of changing these defaults to suit their local needs. If you do not see holdings information in the 926/927 tags please consult the library regarding any local customizations.

Item Level Holdings

Tag 926 (item level holdings):

subfield a: Library

b: Current location (including CHECKEDOUT)

c: Call number

d: Item Type

e: Date due (if applicable)

f: Copy Number

Example 1:

926 |aQEII|bBOOKSTACKS|cQA 76.9 C66 S88 1995|dBOOK|f1

Example 2 (item checked out):

926 |aQEII|bCHECKEDOUT|cJC 355 D5235 2006|dBOOK|e17/7/2007|f1

Detailed Serial Holdings (derived from MARC holdings records)

Tag 927 (derived from MARC holdings records):

subfield a: Library

b: Holdings display label

c: Holdings statement

Example:

927 |a UABARD

927 |b Location |cON_SHELF-- QP 1 A54

927 |bLibrary has |c v.1(1990)-v.5(1993)

¹The configuration information included in this document reflects the Bath Profile Release 2.0

(<http://www.collectionscanada.ca/bath/tp-bath2-e.htm>) Z39.50 Server delivered as an option to libraries utilizing SirsiDynix's Symphony library management system. Organizations interested in implementing Z39.50 access to a SirsiDynix site should contact the individual site for particular custom configuration information. Some of the searches may not be supported at all sites because they are not relevant to the specific catalogue and/or they have not been configured to support Z39.50 access.

²As per the requirements of the Bath Profile, the server will not process a multi-term structure 'word' search term. Multi-word keyword searches must be encoded as single 'word' terms combined with the boolean 'AND' operator. Clients unable to satisfy this requirement should use structure attribute "6" (word list).

³The Unicorn Symphony Bath Profile Version 2.0 Z39.50 server also supports the attribute combinations supported by the Symphony Standard Delivery server. This information can be found at:

<http://www.sirsi.com/Sirsipdfs/symphonyszdeliv.pdf>

Use attributes not defined in this table are searchable (if supported by content) by specifying just the use attribute alone in the query.

⁴MARC21 tag to search name mapping complies with the indexing recommendations associated with the Bath/Z Texas Profiles. Please refer to: <http://www.unt.edu/wmoen/Z3950/MARC21Indexing/Z3950MARCIndexing.htm>.

⁵The default truncation limit is 300 truncated terms. Libraries have the option of increasing this limit to 1,000 truncated terms. If a truncated search exceeds the truncation limit, the server returns a partial search result set

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comprised of records retrieved up to and including the truncation limit term along with an error diagnostic indicating the truncation limit has been exceeded.

⁶The implementation ID will change with each release of Symphony but will always include "Bath" to identify this version of the Z server.

⁷Additional information on these searches is available in the Z Texas Profile Release 3.0 document (<http://www.tsl.state.tx.us/ld/projects/z3950/tzigprofilerelease30.html>).

⁸Support for only one of the controlled vocabulary use attributes is required.