Gale SRU Documentation

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# Introduction and Purpose

SRU access is available for Cengage Gale’s suite of online products. The basic URL structure is provided here:

http://sru.galegroup.com/{product}?startRecord={startnum}&maximumRecords={numRecs}&operation=searchRetrieve&version=1.1&query={queryString}&recordSchema={schema}&x-username={locationID}

Supported URL parameters are listed here.

|  |  |  |  |
| --- | --- | --- | --- |
| PARAMETER | DESCRIPTION | REQUIRED? | VALID VALUES |
| x-username | Library account in Gale’s subscription database | Yes | Contact Gale technical support at 800-877-4253, option 4 |
| Version | SRU version | Yes | 1.1 |
| recordSchema | Specifies format for results – Dublin Core (default) and MARC XML are supported | No | dc  marcxml |
| operation | Command for the SRU server to perform | Yes | searchRetrieve  explain |
| Query | Query string in CQL format | Yes |  |
| startRecord | Position of the first record to return | No | Default value = 1 |
| maximumRecords | Maximum number of records to return | Yes | Typical values are 10, 20, 25, 50 |

# SRU Examples

Sample requests are discussed in detail on the following pages.

Please note that returned documents will change over time as new content is added so the examples below are not guaranteed to return the same sample documents.

In addition, the “metatest” account used in the examples is only to be used for initial testing of Gale’s SRU service. All customer searching \*must\* use the correct valid library account in the x-username parameter.

A separate mapping document provides details for each database available via SRU on:

* support for the basic search indexes for each Gale database
* required and optional fields for the DC schema
* required and optional fields and subfields for the MARCXML schema

The detailed mapping document is available at:

<http://www.galesupport.com/sru/Gale_SRU_Mappings.xlsx>

## General OneFile (ITOF)

Consider the following request:

http://sru.galegroup.com/ITOF?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title="earthquake+prediction"

This request may be interpreted as follows:

* Product was set to ITOF (General OneFile)
* Up to 25 records will be returned starting with the first record
* SRU version 1.1 was specified
* Customer account was set to metatest
* Records with “earthquake prediction” in the article title were requested
* Record schema was not specified so the default of Dublin Core was applied

Here is a sample response for a single record. (Set &maximumRecords=1 for the example above to reproduce.)

<?xml version="1.0" ?>

<zs:searchRetrieveResponse xmlns:zs="http://www.loc.gov/zing/srw/">

<zs:version>1.1</zs:version>

<zs:numberOfRecords>189</zs:numberOfRecords>

<zs:records>

<zs:record>

<zs:recordPacking>xml</zs:recordPacking>

<zs:recordData>

<dc:dc xmlns:dc="http://purl.org/dc/elements/1.1/">

<dc:title>

Earthquake prediction system to work in Azerbaijan in 2012.

</dc:title>

<dc:type>Article</dc:type>

<dc:date>20111229</dc:date>

<dc:subject>Earthquakes</dc:subject>

<dc:subject>Geophysical prediction</dc:subject>

<dc:relation>The America’s Intelligence Wire</dc:relation>

<dc:bibliographicCitation>Dec 29, 2011 pNA</dc:bibliographicCitation>

<dc:identifier>

http://find.galegroup.com/openurl/openurl?...

</dc:identifier>

<dc:rights>COPYRIGHT 2011 Financial Times Ltd.</dc:rights>

<dc:rights>Text: Yes</dc:rights>

</dc:dc>

</zs:recordData>

<zs:recordPosition>1</zs:recordPosition>

</zs:record>

</zs:records>

<zs:nextRecordPosition>2</zs:nextRecordPosition>

</zs:searchRetrieveResponse>

## Opposing Viewpoints In Context (OVIC)

Consider the following request:

<http://sru.galegroup.com/OVIC?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=marijuana+AND+marc.992=fulltext&recordSchema=dc>

This request may be interpreted as follows:

* Product was set to OVIC(Opposing Viewpoints In Context)
* Up to 25 records will be returned starting with the first record
* SRU version 1.1 was specified
* Customer account was set to metatest
* Records with marijuana in the article title were requested
* Search was limited to only results that were full text. (marc.992=fulltext)
* Record schema was set to Dublin Core

Here is a sample response for a single record. (Set &maximumRecords=1 for the example above to reproduce.)

<?xml version="1.0" ?>

<zs:searchRetrieveResponse xmlns:zs="http://www.loc.gov/zing/srw/">

<zs:version>1.1</zs:version>

<zs:numberOfRecords>306</zs:numberOfRecords>

<zs:records>

<zs:record>

<zs:recordSchema>dc</zs:recordSchema>

<zs:recordPacking>xml</zs:recordPacking>

<zs:recordData>

<dc:dc xmlns:dc="http://purl.org/dc/elements/1.1/">

<dc:title>

Uniontown traffic stop nets 48 pounds of marijuana.

</dc:title>

<dc:type>Article</dc:type>

<dc:date>20120128</dc:date>

<dc:subject>Controlled substances</dc:subject>

<dc:subject>Marijuana</dc:subject>

<dc:relation>Tribune-Review (Greensburg, PA)</dc:relation>

<dc:bibliographicCitation>Jan 28, 2012 pNA</dc:bibliographicCitation>

<dc:identifier>

http://find.galegroup.com/openurl/openurl?...

</dc:identifier>

<dc:rights>

Full Text COPYRIGHT 2012 McClatchy-Tribune Information Services

</dc:rights>

<dc:rights>Text: Yes</dc:rights>

</dc:dc>

</zs:recordData>

<zs:recordPosition>1</zs:recordPosition>

</zs:record>

</zs:records>

<zs:nextRecordPosition>2</zs:nextRecordPosition>

</zs:searchRetrieveResponse>

## Supreme Court Records and Briefs (SCRB)

Consider the following request:

<http://sru.galegroup.com/SCRB?startRecord=1&maximumRecords=25&operation=searchRetrieve&recordSchema=marcxml&version=1.1&query=dc.title=Miranda+Arizona&x-username=metatest>

This request may be interpreted as follows:

* Product was set to SCRB (Supreme Court Records and Briefs)
* Up to 25 records will be returned starting with the first record
* SRU version 1.1 was specified
* Customer account was set to metatest
* Records with Miranda and Arizona in the document title were returned
* Record schema was set to MARC XML
* A sample response for a single record is presented on the following page. Field 008 has been modified to fit on a single line. Set &maximumRecords=1 for the example above to reproduce the example.

<?xml version="1.0" ?>

<zs:searchRetrieveResponse xmlns:zs="http://www.loc.gov/zing/srw/">

<zs:version>1.1</zs:version>

<zs:numberOfRecords>5</zs:numberOfRecords>

<zs:records>

<zs:record>

<zs:recordSchema>marcxml</zs:recordSchema>

<zs:recordPacking>xml</zs:recordPacking>

<zs:recordData>

<record>

<leader>00744nab a22001937 4500</leader>

<controlfield tag="001">DW100648784</controlfield>

<controlfield tag="007">t </controlfield>

<controlfield tag="008"> e19690828 </controlfield>

<datafield tag="040" ind1=" " ind2=" ">

<subfield code="a">MiFhGG</subfield>

<subfield code="c">MiFhGG</subfield>

</datafield>

<datafield tag="100" ind1="1" ind2=" ">

<subfield code="a">Nelson, Gary K.</subfield>

</datafield>

<datafield tag="245" ind1="0" ind2="0">

<subfield code="a">Miranda v. Arizona</subfield>

<subfield code="k">Monograph</subfield>

</datafield>

<datafield tag="260" ind1=" " ind2=" ">

<subfield code="a">[S.l.]</subfield>

<subfield code="a">[s.n.]</subfield>

<subfield code="k">1969</subfield>

</datafield>

...

<datafield tag="700" ind1="1" ind2=" ">

<subfield code="a">Waag, Carl K.</subfield>

</datafield>

<datafield tag="856" ind1="4" ind2=" ">

<subfield code="u">

http://galenet.galegroup.com/servlet/SCRB?...

</subfield>

<subfield code="y">Electronic resource (HTML)</subfield>

<subfield code="q">HTML</subfield>

</datafield>

...

</record>

</zs:recordData>

<zs:recordPosition>1</zs:recordPosition>

</zs:record>

</zs:records>

</zs:searchRetrieveResponse

## More Examples:

### Example of Multi-word term searching:

### <http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=world+war+II>

### Examples with Wildcard characters in search:

#### Please note that a minimum of three characters are required before wildcards are used in search terms. Gale’s SRU service supports the following wildcards:

* An **asterisk** (\*) stands for **any number of characters**

[http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=Lawma\*ers](http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=Lawma*ers)

* A **question mark** (?) stands for **exactly one character**

<http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=Lawmak?ers>

* An **exclamation point** (!) stands for **one or no characters**

<http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=Lawmak!ers>

### Examples with Boolean operators in search:

#### Gale’s SRU service supports the following Boolean operators:

* The **and** operator specifies that both words on either side of the operator must occur in the part of a record you're searching for that record to match.

<http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=green+and+dc.title=tree>

* The **or** operator specifies that one or the other or both of the words on either side of the operator must occur in the part of a record you're searching for that record to match.

<http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=green+or+dc.title=tree>

* The **not** operator specifies that the word before the operator must occur but the word after the operator must not occur for a record to match <http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest&query=dc.title=green+not+dc.title=tree>

### Examples with dates in search:

Gale’s SRU service supports dates in the yyyy or yyyymmdd formats. Searching between date ranges is permitted.

[http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest &query=dc.date>=1900+AND+dc.date<=2012](http://sru.galegroup.com/AONE?startRecord=1&maximumRecords=25&operation=searchRetrieve&version=1.1&x-username=metatest%20&query=dc.date%3e=1900+AND+dc.date%3c=2012)

# Appendices

## Revision History

| **Version** | **Date** | **Author** | **Revision** | **Status** |
| --- | --- | --- | --- | --- |
| 1.0 | 02/06/2012 | N. Good | First release | Approved |
| 1.1 | 05/24/2012 | Mayuri Jagannathan | Release 2 – Added limit to full text example in section 2.2. Added more examples in section 2.4 | Approved |