



MetaLib KnowledgeBase - HTTP Resource Configurations

MetaLib Version 4.3



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Welcome to EXTERNAL_JUMP_SIMPLE

- Access Method to configure Search & Link resources
- Only one search box can be used
 - All searches are done using the “All fields” search type
 - Ignores search terms in second search box
- Search uses HTTP
 - “Screen-scrapes” the number of hits
- Links to results in the ‘native’ interface

Welcome to EXTERNAL_JUMP_SIMPLE

- Can be used in:
 - Find Database Module
 - QuickSearch Module
 - if QUICK_INTERACTIVE = 'Y'
 - MetaSearch Module
 - if META_INTERACTIVE = 'Y', then the results will be displayed on the intermediate screen
 - If META_INTERACTIVE = 'N', then the results will show up in the results by database

How do we EXTERNAL_JUMP SIMPLE?

1. Identify link to-syntax

- Base URL (Hostname:Port)
- Request Parameters
- URL Mask
- HTML Hit Pattern

2. Create the IRD

3. Add a new external_jump_simple configuration

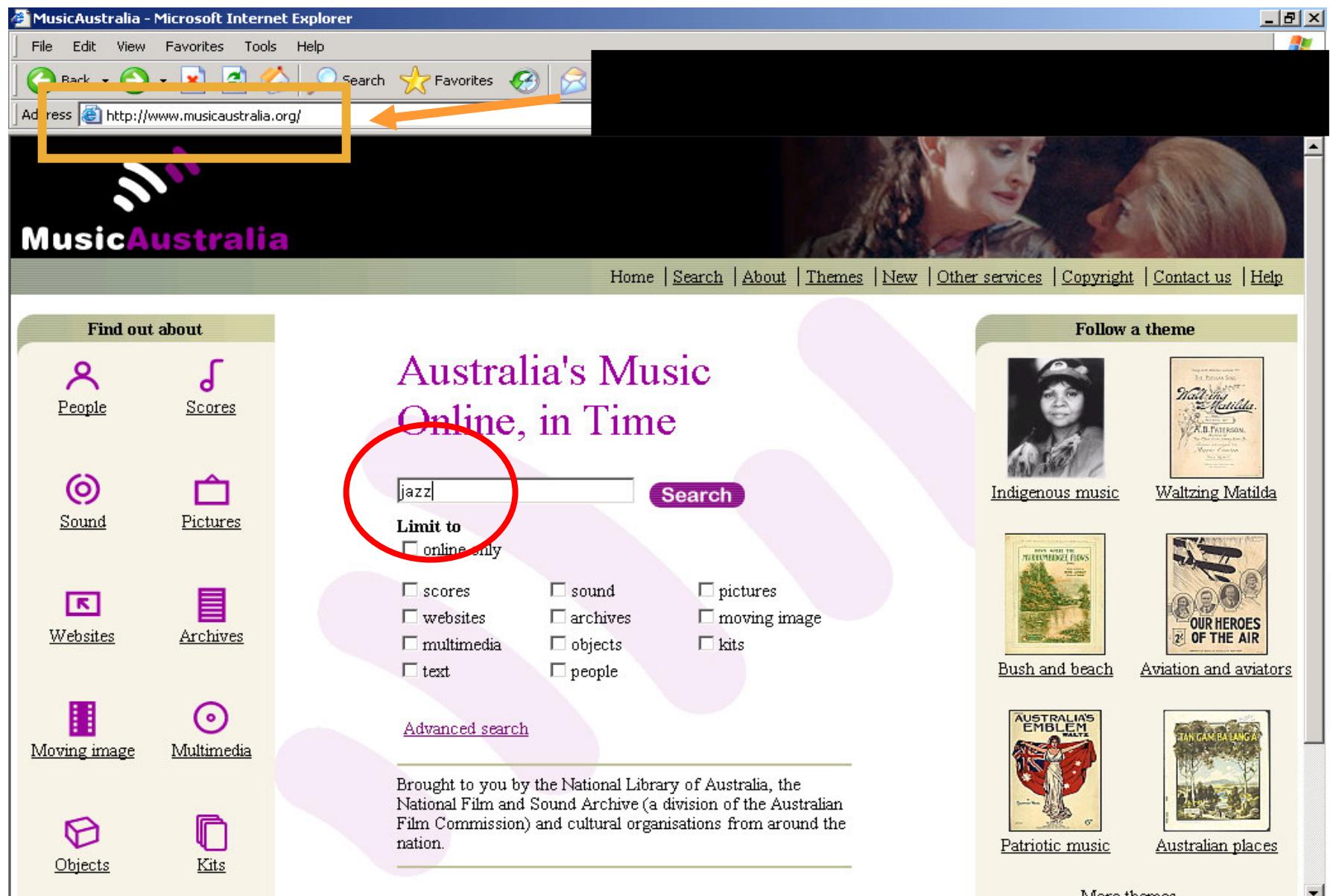
4. Test!

MusicAustralia - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Search Favorites Mail

Address <http://www.musicaustralia.org/>



MusicAustralia

Home | Search | About | Themes | New | Other services | Copyright | Contact us | Help

Find out about

jazz

Limit to

online only

scores sound pictures
 websites archives moving image
 multimedia objects kits
 text people

[Advanced search](#)

Brought to you by the National Library of Australia, the National Film and Sound Archive (a division of the Australian Film Commission) and cultural organisations from around the nation.

Follow a theme


[Indigenous music](#)


[Waltzing Matilda](#)


[Bush and beach](#)


[Aviation and aviators](#)


[Patriotic music](#)


[Australian places](#)

[More themes...](#)

ExLibris
Metalib

MusicAustralia - Search Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Favorites Address http://www.musicaustralia.org/apps/MA?function=searchResults&searchInitiated=true&scope=scope&simpleTerm=jazz Go

 MusicAustralia

Home | Search | About | Themes | New | Other services | Copyright | Contact us | Help

MusicAustralia > Search results

For selected records: Email Add to folder View folder Download Deselect all

Resources (1 to 20 of 3080)

◀◀ 1 to 20 of 3080 ▶▶



<http://www.musicaustralia.org/apps/MA?function=searchResults&searchInitiated=true&scope=scope&simpleTerm=jazz>

470 scores

1966 sounds
(How to listen)

58 pictures

11 websites

11 archives

191 moving images

2.

3.

4.

Score online

Score online

Record

A-u-s-t-r-a-l-i-a for mine! c1920.
Naunton, W. E., Mahomet, Cass.
1 score (3 p.)
<http://nla.gov.au/nla.mus-an5995320>
In National Library of Australia - National Library of Australia collection

Albert's dance programme folio. [1929?]
27 p.
<http://nla.gov.au/nla.mus-vn92212>
In National Library of Australia - National Library of Australia collection

AM I ? 19450111
Lumsdaine, Jack (composer.), George Trevare and His Dance Orchestra

1. Identify link-to syntax

Base URL

- The part of an HTTP request that does not change, generally up to the question mark
- Usually the domain and path to the search page

```
http://www.musicaustralia.org/apps/MA?function  
=searchResults
```

Entered in the 'Hostname:Port' field of the IRD

1. Identify link-to syntax

Request Parameters

- Separated by ampersands (&)
- Search terms and other required fields which change depending on the search
- Stated in the format “parameter=value”

```
&searchInitiated=true&scope=scope&simpleTerm=jazz
```

Some Request Parameters may be static for
MetaLib searching, so can be added to Base URL

1. Identify link-to syntax

URL Mask

- Modifies Request Parameters to act as a template for MetaLib

&term1=TERM1

&searchInitiated=true&scope=
scope&simpleTerm=jazz

Entered in the 'URL Mask' field of the configuration record

1. Identify link-to syntax

HTML Hit Pattern

- How are the number of results displayed on the website?
1 to 20 of 3080
- Check these possibilities... are there different hit patterns?
 - One hit
 - Fewer than 10
 - More than 1,000 – Does it include a comma?
 - Zero Hits

MusicAustralia - Search Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Favorites Address <http://www.musicaustralia.org/apps/MA?function=searchResults&searchInitiated=true&scope=scope&simpleTerm=jazz> Go


MusicAustralia

Home | Search | About | Themes | New | Other services | Copyright | Contact us | Help

Search > Search results

For selected records:

Resources (1 to 20 of 3080)

1 to 20 of 3080

Your search for **jazz** in Any keyword, found [3318 results](#)

[238 people](#)

[3080 resources, including](#)

[470 scores](#)

[1966 sounds
\(How to listen\)](#)

[58 pictures](#)

[11 websites](#)

[11 archives](#)

[191 moving images](#)

1. [**3MBS FM \[2000?\]**](#)
3MBS-FM (Radio station : Melbourne, Vic.)
Publisher site: <http://www.3mbs.org.au/>
Archived at ANL for VSL <http://nla.gov.au/nla.arc-15168>
In 2 collections

2. [**A-u-s-t-r-a-l-i-a for mine! c1920.**](#)
Naunton, W. E., Mahomet, Cass.
1 score (3 p.)
<http://nla.gov.au/nla.mus-an5995320>
In National Library of Australia - National Library of Australia collection

3. [**Albert's dance programme folio. \[1929?\]**](#)
27 p.
<http://nla.gov.au/nla.mus-vn92212>
In National Library of Australia - National Library of Australia collection

4. [**AM I ? 19450111**](#)
Lumsdaine, Jack (composer.), George Trevare and His Dance Orchestra

1. Identify link-to syntax

HTML Hit Pattern

- Hit Pattern is taken from HTML Source
- Look for the hit count in the page
- Find enough of the HTML code to make your variable string unique

```
<h2 class="briefresultsheading">Resources  
<span class="recordset">  
(1 to 20 of 3080)  
</span>  
</h2>
```

of the configuration record

1. Identify link-to syntax

HTML Hit Pattern

- Use a regular expression to indicate the hit pattern in your config

1 to 20 of (\d+)

- Or use a non-numeric pattern

(.)

- MetaLib will translate it to “Hits were found”
- Use if the website does not report a **number** of hits
- Use if MetaLib can’t access the HTML due to frames
- The expression between parentheses is the hit pattern to be extracted

1. Identify link-to syntax

HTML Hit Pattern

- Frequently used regular expressions:

.	Match any one character
[a-z]	Match any lower case letter
\w	Match any letter (capital or lower case)
[0-9]	Match a number
\d	Match a number
[]	Match a space
\s	Match a space or tab
?	The preceding element may appear zero or once
*	The preceding element may appear zero or more times
+	The preceding element must appear one or more times
{4}	The preceding element must appear four times
	Or

How do we EXTERNAL_JUMP SIMPLE?

1. Identify the link-to syntax
 - Base URL (Hostname:Port)
 - Request Parameters
 - URL Mask
 - HTML Hit Pattern
2. Create the IRD
3. Add a new external_jump_simple configuration
4. Test!

2. Create the IRD

MetaLib

MAIN MENU | SFX ADMIN | USER INFO | STATISTICS | METAINDEX | CATEGORIES ADMIN | PORTAL ADMIN | END SESSION

FIND RESOURCE | RESOURCE LIST

science (SCIENCE)

Resource Name: - SCIENCE

*Mandatory fields

Subscription Presentation: Primary Presentation: Secondary Presentation: Library Local Categories

Full Name	*	Music Australia
Display Name	*	Music Australia.
Institution	*	University of Science
Secondary Affiliation	GUEST	List of user groups
IP Filter		List of IP filters
Configuration Code		
Free/By Subscription	Free	
Link to Native Interface URL	http://www.musicaustralia.org	
Proxy Server Flag	<input type="radio"/> No need for proxy server	<input type="radio"/> Use proxy server
Search Proxy Server Flag	<input type="radio"/> No need for search proxy server	<input type="radio"/> Use search proxy server
Hostname:Port	http://www.musicaustralia.org/apps/MA?function=searchResults++searchInitiated=true	
Database Code		
Authentication		
Link to Records in Native Interface		
Number of Sessions		
Cataloger's Note		
Verde Indicator	<input type="checkbox"/>	
Verde Access Type		

How do we EXTERNAL_JUMP SIMPLE?

1. Identify the link-to syntax
 - Base URL (Hostname:Port)
 - Request Parameters
 - URL Mask
 - HTML Hit Pattern
2. Create the IRD
3. **Add a new external_jump_simple configuration**
4. Test!

3. Add a new external_jump_simple configuration

Create new configuration

Add A Configuration to Music Australia 2 - KANGIWI

Choose one of the following 3 options:

Copy from an existing configuration

Enter Configuration Code to copy :

Enter new Configuration Code :

Add a new configuration

Enter new configuration code :

Enter Access Method :

Link to an existing configuration

Note: If Music Australia 2 - KANGIWI is a copy of a CKB IRD, use Global Updates to 'Switch to CKB Configuration' in order to link it to the CKB IRD.

Enter Configuration Code :

3. Add a new external_jump_simple configuration

The configuration record

Screenshot of the MetaLib configuration interface in Microsoft Internet Explorer.

The page title is "Configuration - Microsoft Internet Explorer". The address bar shows the URL: <http://203.87.91.35:8331/M/5RR6IAH35HYYL95XRTSL65EHSXLA47R2BKKCFC955UPD35TL66F-00145/source-update>.

The main header includes the MetaLib logo and navigation links: MAIN MENU, SFX ADMIN, USER INFO, STATISTICS, METAINDEX, END SESSION, and CATEGORIES ADMIN.

The sub-header shows the resource name: "kangiwi (KANGIWI)".

The configuration details for the resource "Music Australia - KANGIWI" are displayed:

Institution: KANGIWI	Configuration Code: L_MUSIC_AUS
Access Method: WEBCONFIG_SIMPLE	Configuration Type: Search & Link
Open Date: 22/07/05	Update Date: 22/08/05

Buttons at the top right: SAVE, SAVE & EXIT, CANCEL.

A red circle highlights the "Search Transformation" section, which contains the following fields:

Field Name	Field Value
Hostname:Port	= http://www.musicaustralia.org/apps/MA?function=searchResults&searchInitiated=true&scope=scope&
URL Mask	simpleTerm=TERM1
Truncation Symbol	[]
SEARCH	HTML Hit Pattern: [1 to 20 of (\d+)]
Zero Hit Pattern	No records found

Buttons at the bottom left: SAVE, SAVE & EXIT, CANCEL.

How do we EXTERNAL_JUMP SIMPLE?

- 1.** Identify the link-to syntax
 - Base URL (Hostname:Port)
 - Request Parameters
 - URL Mask
 - HTML Hit Pattern
- 2.** Create the IRD
- 3.** Add a new external_jump_simple configuration
- 4. Test!**

4. Test

Test within configuration

Search with metaLib

Type word or phrase jazz

SUBMIT **CLEAR** **CLOSE**

Term Transformation Results

URL Mask : simpleTerm=jazz

Output : <http://www.musicaustralia.org/apps/MA?function=searchResults&searchInitiated=true&scope=scope&simpleTerm=jazz>

4. Test

Test within Metalib User Interface

The screenshot shows the Metalib search interface. At the top, there's a navigation bar with links like QuickSearch, Find Database, Find e-Journal, MetaSearch, My Space, and user profile links for Jenny Paradiso. Below the navigation is a search form titled "Search in Database". It has tabs for "Simple" and "Advanced", with "Advanced" selected. The search criteria "All Fields" and "jazz" are entered. A dropdown menu for "And" is open. Below the search form, there's a section for "Music Australia" with details: Title: Music Australia, Type: Index, Description: MusicAustralia is an online service developed by the National Library of Australia and the National Film and Sound Archive (a division of the Australian Film Commission). It includes a detailed description of the service and a note about online music availability. At the bottom, it says "Powered by MetaLib".

The screenshot shows the Metalib search results interface. The top navigation bar and user profile are identical to the search page. The main title is "Search Results" with the query "Search "water" in Music Australia". It displays the message "1191 record/s found". Below this, there's a link "View Results" with a blue arrow icon. At the bottom, it says "Powered by MetaLib".

What can't be configured

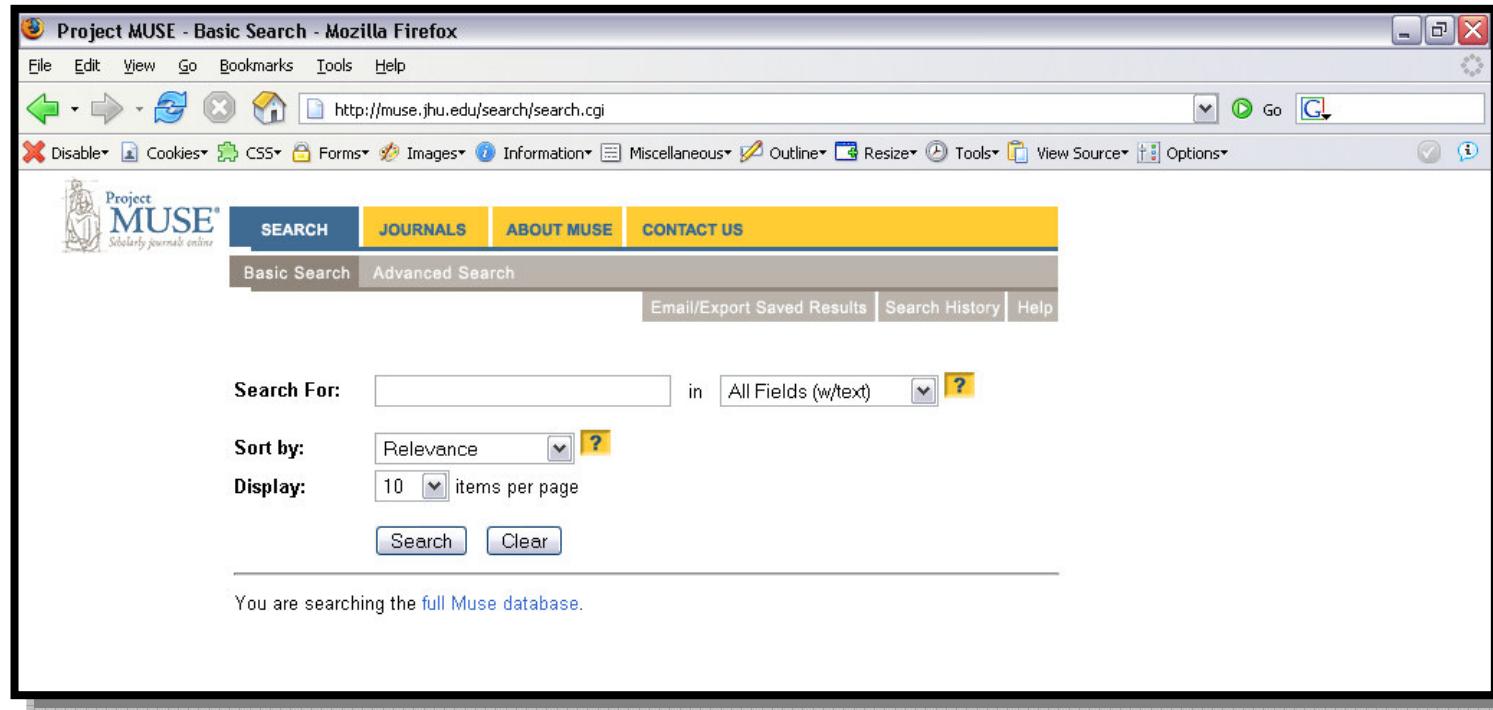
- Resources using any of the following cannot be configured using EXTERNAL_JUMP_SIMPLE
 - Cookies (Sometimes)
 - Session IDs
 - Authentication other than IP or embedded HTTP (a pop-up box as opposed to a web page)

Using Firefox “Web Developer” Toolkit

- Firefox can determine if cookies are being used
- Download the web developer toolkit
- Go to the website in question
 - Run a Search
 - Click on Forms
 - Click on Convert Post to Get – this displays the search
 - Click on Information
 - View Cookie Information

Web Developer

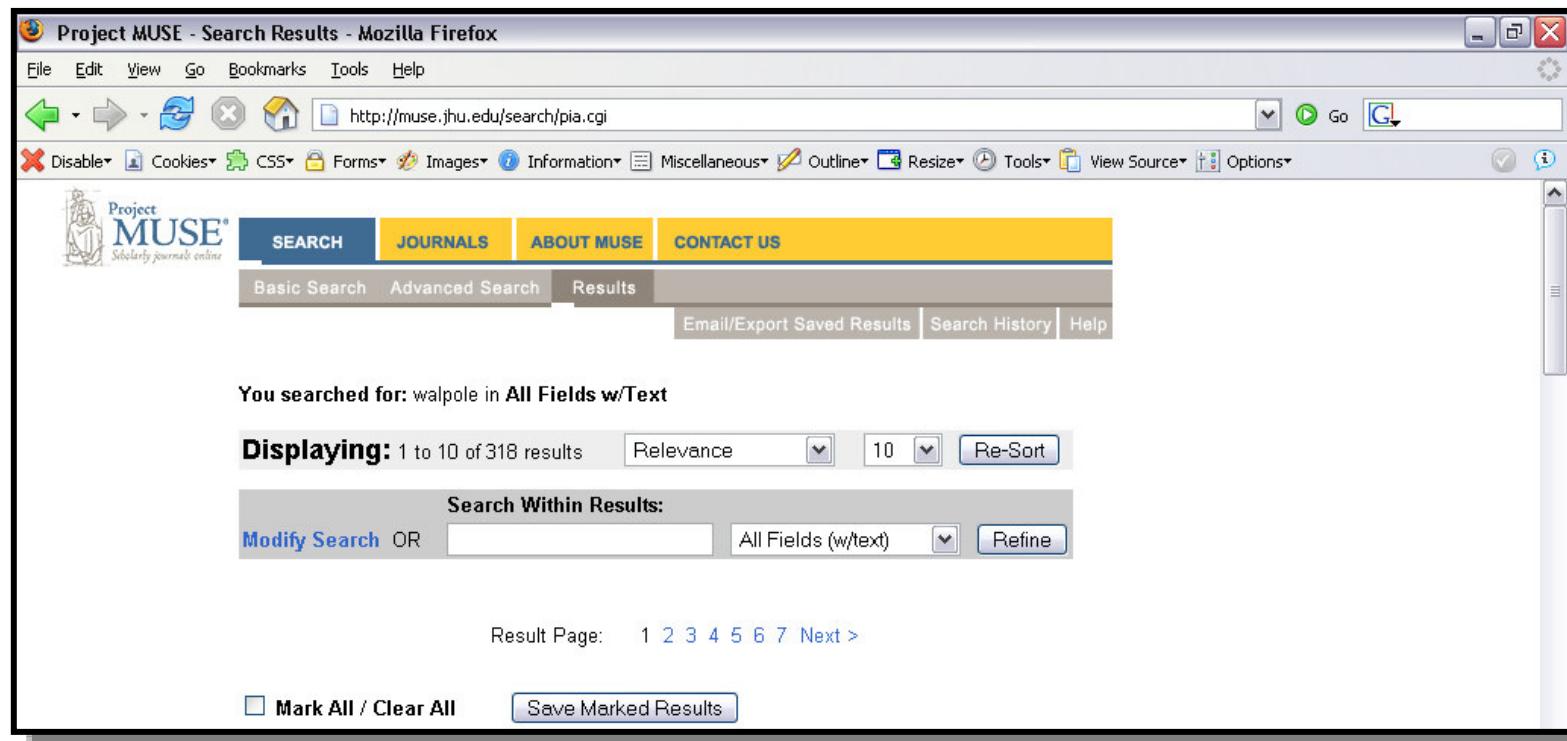
Firefox Web Developer – view link-to syntax



<http://muse.jhu.edu/search/search.cgi>

Web Developer

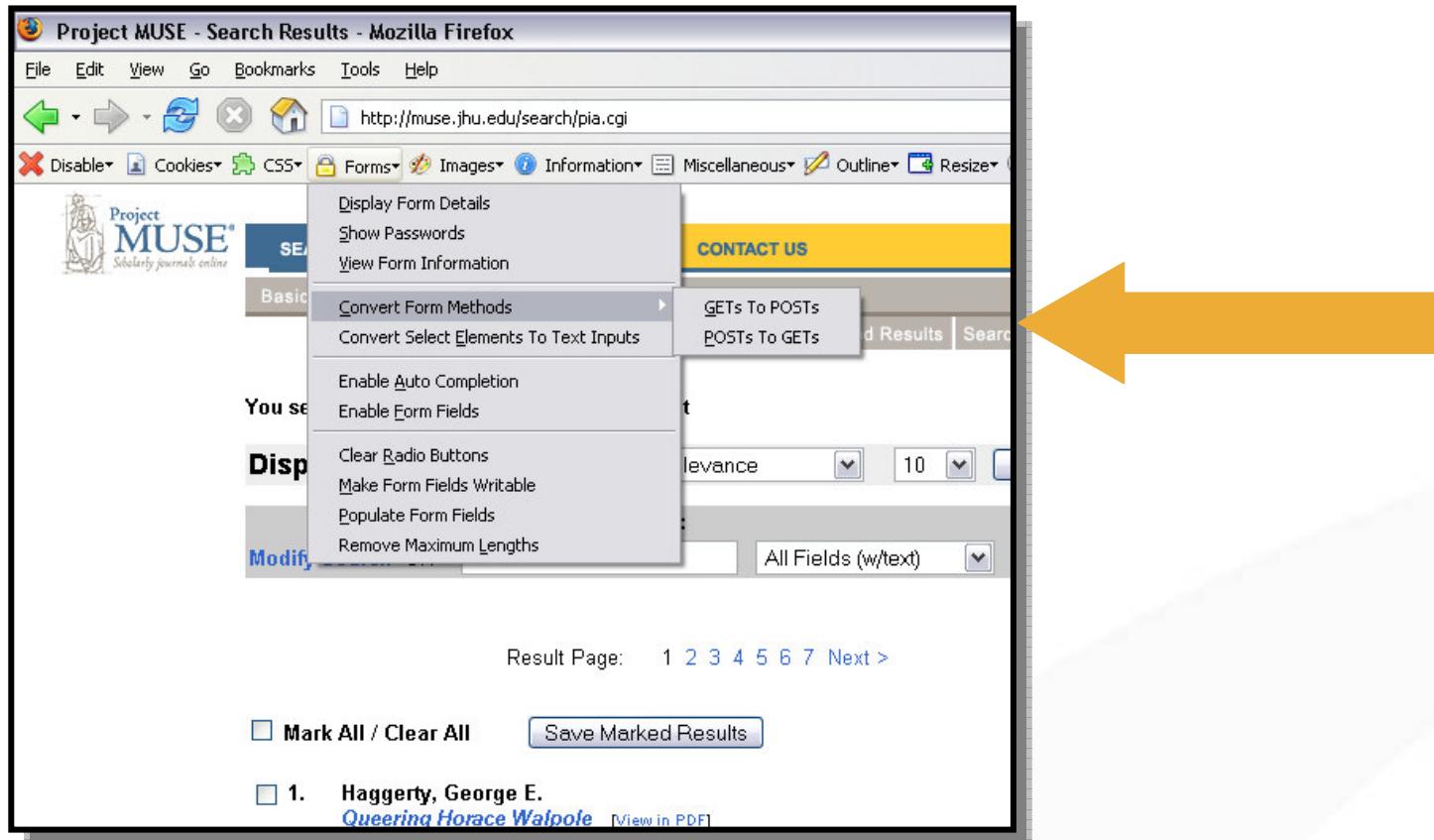
Firefox Web Developer – view link-to syntax



http://muse.jhu.edu/search/pia.cgi

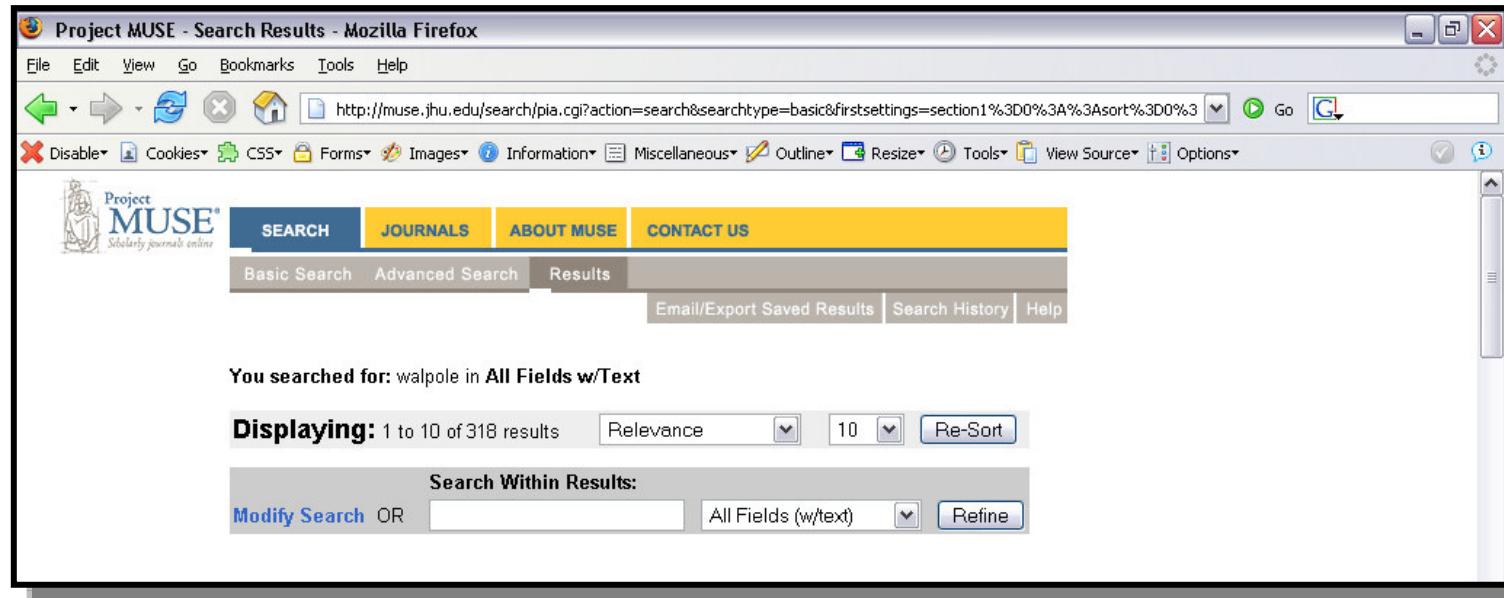
Web Developer

Firefox Web Developer – view link-to syntax



Web Developer

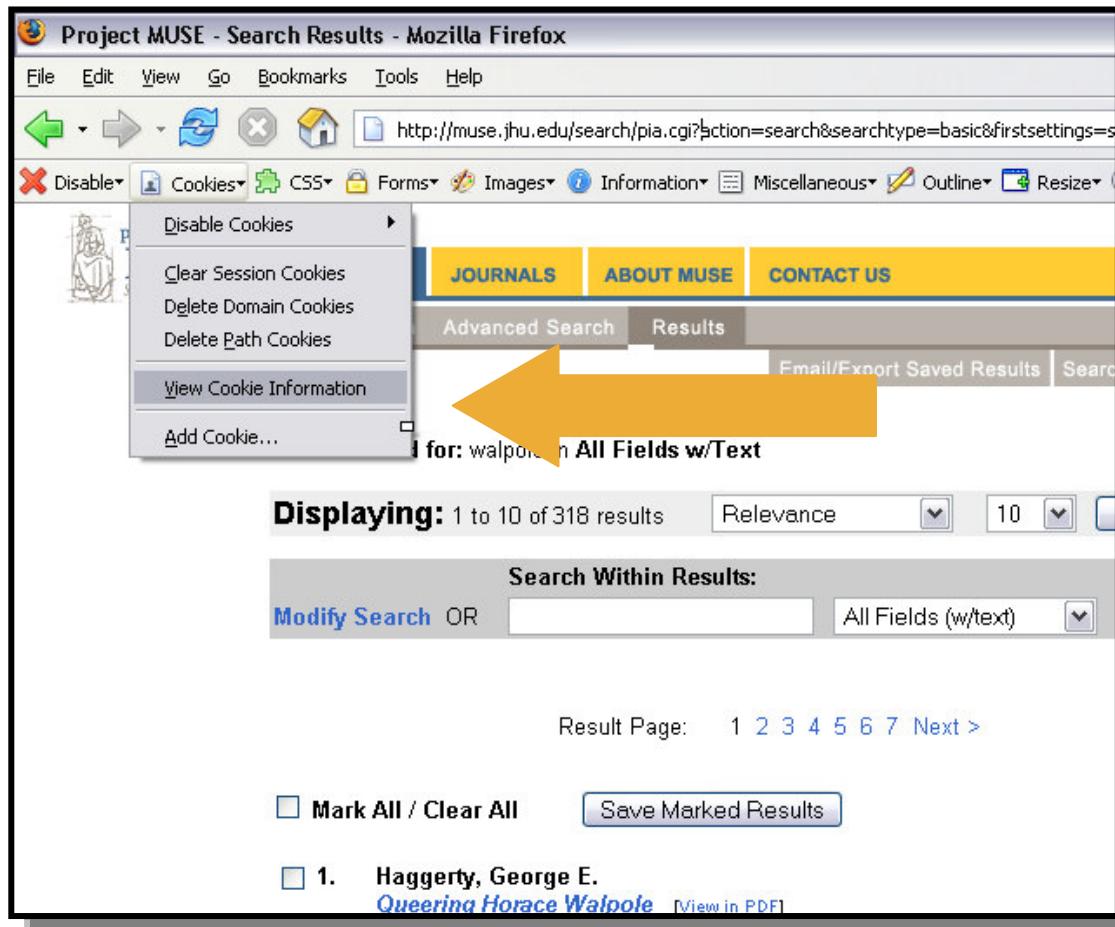
Using Firefox “Web Developer” Toolkit



`http://muse.jhu.edu/search/pia.cgi?action=search&searchtype=basic&firstsettings=section1%3D0%3A%3Asort%3D0%3A%3Ashow%3D0&search1=walpole§ion1=document&sort=rank&show=10`

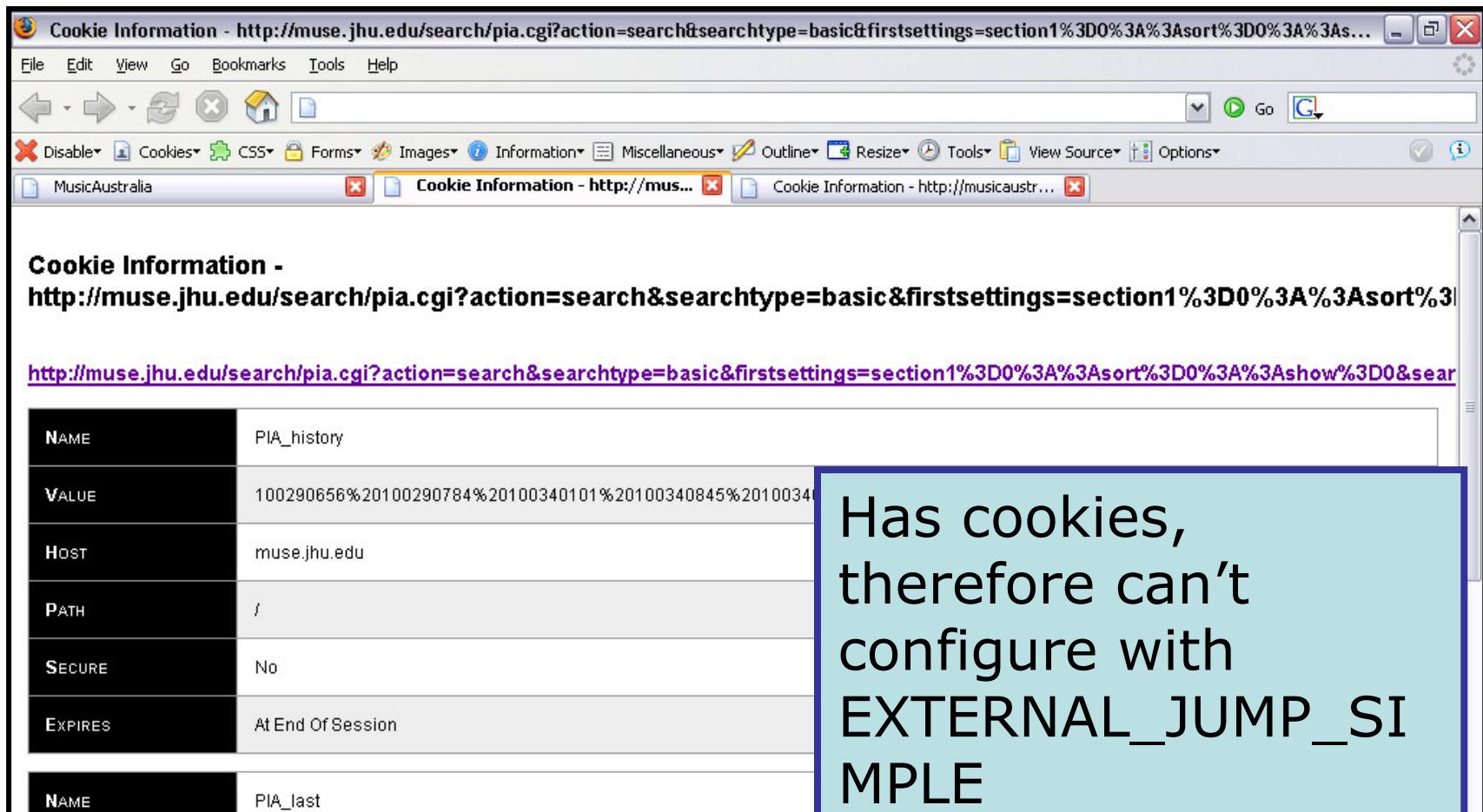
Web Developer

Firefox Web Developer – view cookies



Web Developer

Firefox Web Developer – view cookies



The screenshot shows the Firefox browser window with the Web Developer toolbar installed. The Cookies panel is selected in the toolbar. Below the toolbar, there are two tabs: "Cookie Information - http://muse.jhu.edu/search/pia.cgi?..." and "Cookie Information - http://musicaustr...". The main content area displays the "Cookie Information" for the first tab, listing the following details:

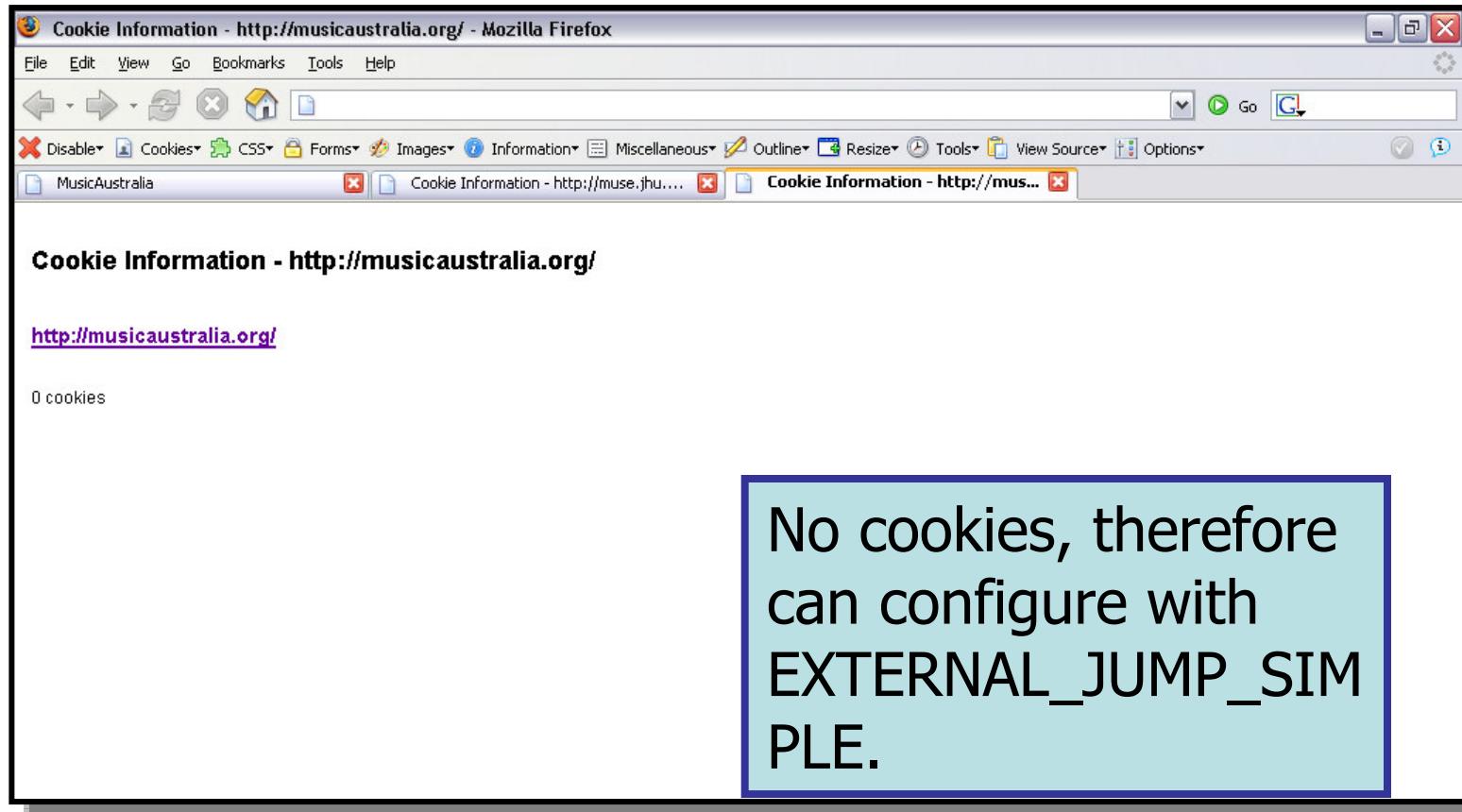
NAME	PIA_history
VALUE	100290656%20100290784%20100340101%20100340845%20100340
HOST	muse.jhu.edu
PATH	/
SECURE	No
EXPIRES	At End Of Session
NAME	PIA_last

A blue callout box is overlaid on the right side of the table, containing the text:

Has cookies,
therefore can't
configure with
EXTERNAL_JUMP_SI
MPLE

Web Developer

Firefox Web Developer – view cookies



Hands On



Exercise 5 – Creating a configuration

Create a EXTERNAL_JUMP_SIMPLE
configuration

Thank You!

