‹XSLTsearch›

VERSION 3.0

REMARKS

Documentation rev 01. November 2010

CREATOR

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LICENSE

MIT License

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OVERVIEW

XSLTsearch is the easy search solution for umbraco web sites. It is fast, completely self-contained, and extremely configurable.

With *XSLTsearch* you can search for words, phrases, portions of words, and portions of phrases in all document properties and attributes (even custom properties). Search results are automatically sorted by relevance with search terms highlighted in the results. To search for exact phrases, simply enclose the search term in single or double quotes.

Multi-lingual websites can use the same search page throughout the site with with pre-defined dictionary keys for all translatable search output.

XSLTsearch is self-maintaining, you never have create or update an index. *XSLTsearch* works well in medium-trust, hosted web environments, nor will it interfere with an already- or Lucene-based search engine.

Hidden pages are never shown in search results, and protected pages are only returned if the website visitor has access to that protected content, ensuring the safety of your private and protected content.

With *XSLTsearch*, you have complete control to customize searching behavior and output formatting. In most cases, the supplied macro parameters provide all the customization you need. Semantic markup is used throughout, making it easy to style *XSLTsearch* to match the look-and-feel of your site. Sample CSS code is provided.

You are free to modify the source code for your umbraco site, but please honor the copyright notice and let me know of any improvements so I can incorporate them for the benefit of others.

DONATIONS

If you find *XSLTsearch* useful, please support its development by sending money via PayPal (www.paypal.com) to doug@percipientstudios.com. A $20 donation is recommended.

Make a Donation

Thank you!

Douglas Robar

INSTALLATION

XSLTsearch is safe to install as Runway Module as well as in your own website.

In the Developer section of the Umbraco administration interface, expand the Packages tree. Select either the Runway Modules (if you have installed Runway) or the Umbraco Package Repository (for sites not using Runway). Browse to find *XSLTsearch* and click the install or download link.

Include <form> tags

Please note that *XSLTsearch* does not create a **<form>** tag. Instead, you must ensure that you have a **<form action="?">** or **<form runat="server">** tag surrounding the macro call itself, or in a higher-level or master template as is the case with the Umbraco Runway foundation. Misconfigured or missing <form> tags are the most likely cause of problems.

Upgrading from an Earlier Version of XSLTsearch

Do not attempt to install XSLTsearch twice; the installation will fail. Instead, install the upgrade package for *XSLTsearch*.

Note: Any modifications you have made to the XSLTsearch.xslt file will be lost by upgrading. Be sure to save a copy of your modified file before upgrading so that you can re-apply your changes if necessary.

CUSTOMIZING XSLTSEARCH

Search

Your search for **lorem** matches **6** pages

Welcome
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Morbi co
pharetra gravida, orci magna rhoncus neque, id pulvinar odio **lorem**
amet enim. Suspendisse id velit vitae ligula volutpat condimentum.

Widget User Guide
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Morbi comm o, ipsum sed
pharetra gravida, orci magna rhoncus neque, id pulvinar odio **lorem** non turpis. Nullam sit
amet enim. Suspendisse id velit vitae ligula volutpat condimentum. Aliquam erat v......

Almost halfway now
Vestibulum erat wisi, condimentum sed, commodo vitae, ornare sit amet, wisi.

Documentation
Lorem ipsum and all that jazz.

About us
N   cilisi. In vel sem. Morbi id urna in diam dign   olestie tortor eu velit.
       erat volutpat. Nullam ultrices, diam tempu   eros pede varius leo,
         rdiet lectus est ornare odio. **Lorem** ipsum

< Previous **1** 2 Next >

| lorem | Search |

Searched 14 pages in 0.016 seconds

Search terms highlighted

Paged results

Search statistics

Search box location

Figure 1 - XSLTsearch's output with default options

Search

| lorem | Search |

Your search for **lorem** matches **6** pages
Showing results 1 to 5

1. **Welcome** (score: 8)
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Morbi commodo, ipsum sed
pharetra gravida, orci magna rhoncus neque, id pulvinar odio **lorem** non turpis. Nullam sit
amet enim. Suspendisse id velit vitae ligula volutpat condimentum. Aliquam erat v......

2. **Widget User Guide** (score: 8)
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Morbi commodo, ipsum sed
pharetra gravida, orci magna rhoncus neque, id pulvinar odio **lorem** non turpis. Nullam sit
amet enim. Suspendisse id velit vita   dimentum. Aliquam erat v......

3. **Almost halfway now** (score: 8)
Vestibulum erat wisi, condimentum   ornare sit amet, wisi.

4. **Documentation** (score: 4)
Lorem ipsum and all that jazz.

5. **About us** (score: 4)
Nulla facilisi. In vel sem. Morbi id urna in diam dignissim feugiat. Proin molestie tortor eu velit.
Aliquam erat volutpat. Nullam ultrices, diam tempus vulputate egestas, eros pede varius leo,
sed imperdiet lectus est ornare odio. **Lorem** ipsum dolor sit ......

< Previous **1** 2 Next >

| lorem | Search |

Searched 14 pages in 0.011 seconds

Multi-lingual display

Page range displayed

Each result numbered

Results ranking score

Figure 2 - XSLTsearch's output with all options enableds

XSLTsearch Macro Parameters

source	The parent NodeID within which to look for the search term(s).
	Behavior: The **source** node and all its descendants are searched.
	Default Value: **-1** (the entire site)

searchFields	The document properties to search
	Behavior: A comma-separated list of fields. The order of the search fields affects the search score and order of the search results! Place the more important fields first, with bodyText or its equivalent last. The reason is that if a search term appears in the page's title, there is a greater likelihood that page discusses the search term at length, than it simply being mentioned somewhere in the bodyText.
	Examples: **@nodeName,bodyText**
	Default Value: **@nodeName,metaKeywords,metaDescription,bodyText**
	Note: Field names are case-sensitive. Document properties and attributes (preceded by @) are supported.

previewFields	The document properties to display in the search results
	Behavior: A comma-separated list of fields. The order of the preview fields is from most preferred to least preferred. Put the most appropriate fields first (typically, bodyText). The first field that contains text will be shown as the preview information for each search result.
	Default Value: **bodyText,metaDescription**
	Note: Field names are case-sensitive. Only document properties are supported (not attributes). Typically, **previewFields** will contain the same field list as **searchFields**, but in the reverse order, and without any @ properties.

resultsPerPage	The number of search results to display on each page of search results.
	Default Value: **5**

previewChars	The maximum number of search characters to display in the preview for each search result.
	Default Value: **255**

previewType	The format of the preview information to display.
	Behavior: The preview text for each search result includes hit highlighting for search terms. You can select either a conventional display with the first words of the document shown (which may or may not contain the search term(s)), or you can display the context of as many hits as fits within the previewChars character count.
	Options: **BEGINNING**
	CONTEXT
	Default Value: **BEGINNING**

Example: **BEGINNING**

CONTEXT

Note: If you select **CONTEXT**, you set the **previewFields** parameter to be the same as **searchFields** (without any @ attributes). Otherwise, some of your searches may have no context to display.

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searchBoxLocation Place a search box and button above, below, or both above and below the search results.

Options: **BOTTOM**
TOP
BOTH
NONE
Default Value: **BOTTOM**
Note: If **BOTH** is set, only one search box will appear if nothing has been searched yet.

---

showPageRange Show the summary text at the top of the search results page, "Showing results X of Y"

Behavior: This can be useful when many results are returned, especially if **showOrdinals** is set to false.
Default Value: **0**   **(FALSE)**

---

showOrdinals Show the number before each search result, such as 1. 2. 3. 4. etc.

Default Value: **0**   **(FALSE)**

---

showScores Show the total score calculated for the search term within each document.

Default Value: **0**   **(FALSE)**

---

showStats Show the summary text at the bottom of the search results page, "Search X pages in Y seconds."

Default Value: **0**   **(FALSE)**

---

showDebug Show the version of XSLTsearch

Behavior: Set automatically when **?umbDebugShowTrace=true** is appended to the URL's querystring. The output will include the version of XSLTsearch along with the typical umbraco debugging output.
Note: This parameter is not, strictly speaking, a macro parameter since its behavior is independent of the macro properties.

Sample CSS

Ample markup is provided by *XSLTsearch* to allow you to customize the look to match your site's design, while also working well in a CSS-disabled environment. Below is a sample CSS definition for *XSLTsearch* to use as a starting point for your own CSS.

```
#xsltsearch                        {margin: 0; padding-bottom: 20px;}
#xsltsearch_navigation             {text-align: center;}
#xsltsearch_navigation .disabled   {color: #AAA;}
#xsltsearch_stats                  {font-size: 75%; color: #999;}
#xsltsearch_results                {padding-bottom: 20px;}
#xsltsearch h2                     {font-size: 150%;}
.xsltsearch_result p               {margin: 0; padding: 0;}
.xsltsearch_result:hover           {background: #fcfcfc;}
.xsltsearch_ordinal                {font-weight: bold; font-size: 75%;}
.xsltsearch_title                  {font-weight: bold;}
.xsltsearch_score                  {font-size: 75%;}
p.xsltsearch_result_description     {padding-bottom: 10px;}
.xsltsearch_description strong     {background: #FFD;} /* search term highlighting */
```

How to Improve Search Performance

If you find the performance of *XSLTsearch* sluggish in your environment, you can improve performance in various ways. Obviously, faster servers will help but you can also improve the performance of *XSLTsearch* with your existing hardware with careful planning.

Because the responsiveness of *XSLTsearch* is largely determined by the number of items being searched, searching only a portion of your site will greatly improve performance. Consider creating multiple search pages for different purposes or sections of your site. Each would include the *XSLTsearch* macro, but with differing **source** and **searchFields** parameters to create specialized search pages for the entire site, only blog entries, or technical support documents, for instance.

Searching only within the most important document type properties (via the **searchFields** macro parameter) rather than every possible property will improve search speed. The fewer **searchFields**, the faster *XSLTsearch* will respond.

CHANGE HISTORY

Version	Date	Comments
3.0	November, 2010	Added multi-lingual support with dictionary keys Added support for medium-trust Bug fixes, including: • Multi-word searches now return proper results • Searching for the letter 's' no longer breaks html markup in results • Contextual results display improved in many cases
2.8.1	June, 2010	Update of 2.8 for use with Umbraco 4.5's new XML schema
2.8	January, 2009	Updated for umbraco v4. Changed license to MIT. Created Runway Module Last version to support Umbraco 3.0, 4.0, and legacy XML schema
2.7	January, 2008	Bug fix. • searchBoxLocation="top" now shows the search box even if nothing has been searched yet… reliably
2.6	October, 2007	Changed the default value of the "source" parameter to search the entire site if the source parameter's value is not specified. First release for the umbraco Package Repository.
2.5	September, 2007	Bug fix and improved error checking. • searchBoxLocation="top" now shows the search box even if nothing has been searched yet • Only nodes with an @id are searched • Added NONE option to searchBoxLocation parameter
2.4	August, 2007	Bug fix. • Now returns protected pages, but only if the user has access to the page. Previously, protected pages were never returned

2.3	August, 2007	Bug fixes. • Highighted terms in search results now retain their case properly. • Corrected layout bug that appeared in umbraco v3 when no results were returned
2.2	June, 2007	Improved error handling with CONTEXT searches when searchFields and displayFields parameters do not coincide properly.
2.1	June, 2007	Important bug fix. • Boolean macro parameters should be specified as '1' or '0' rather than 'true' or 'false', in keeping with the way umbraco v3 creates Boolean values when inserting macros.
2.0	May, 2007	Major update. • Supports umbraco v2.1 through v3. • Documentation completed. • Added phrase searching when enclosed in single or double quotes (default is 'and' searching of all terms). • All configuration parameters given defaults and passed in via macro • Output is semantic XHTML for easy CSS styling
1.4	March, 2007	JavaScript functions converted to C# for umbraco v3. Not released.
1.3 beta 5	October, 2006	Major update. • Now more than 20X faster than pervious versions! • Numerous configuration options added or expanded. • Improved results paging for large sites. • Extensive commenting of XSLT code. • Can also search within document attributes (such as @nodeName) • Added displayFields for easy customization of output (defaults to bodyText (if present) then resorts to description (if present)) • Added simple boolean search (all search words are now searched using AND rather than as an implicit exact phrase). This is the first step to providing advanced search syntax capabilities. • Installation and usage documentation provided (not yet completed).
1.2	September, 2006	Copyright and terms of use notice added. Not released.
1.1	January, 2006	Minor update. Not released.
1.0	January, 2006	Initial release.