

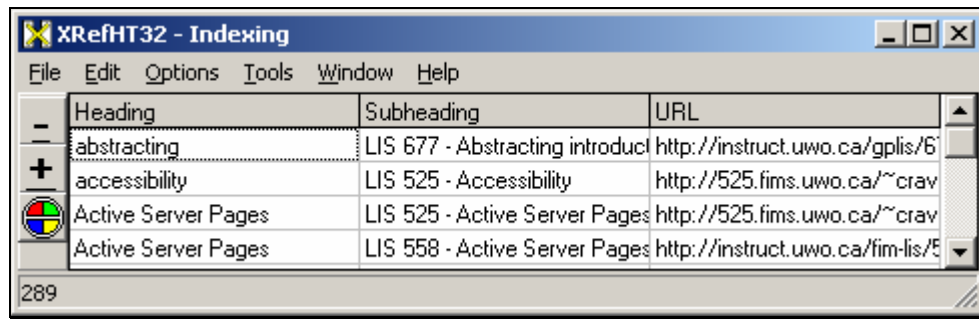
XRefHT32

XRefHT32 is a freeware package for 32-bit Windows systems that provides a variety of functions to assist in the production of Web-based indexes and other kinds of Web pages.

"XRefHT" is commonly pronounced "shreft".

The XRefH32's **Main Window** contains a three-column grid for a list. The first two columns are for **headings** and **subheadings** and the third column is for corresponding **URLs**.

Main Window



Functions are available to **create index entries automatically** from the following elements in HTML files:

- "targets" (named anchors);
- headings (*h1-h6*, you select the range);
- titles;
- keywords in *meta* tags.

The subheadings will normally be blank, but you can also choose to have the page titles automatically made into subheadings. By default, the URLs are set to just the names of the files, but you can also choose to be prompted for a prefix, such as "http://myserver.mydomain/", for all the URLs if the files are to be mounted elsewhere than the index.

Entries can also be **added manually**, and existing entries can be **edited** at will.

A **spell checker** is included in the installation.

Headings and subheadings can contain HTML tags, which will be ignored in sorting.

Once a set of entries is established, you can **output a formatted index** as a single HTML file or as a set of linked HTML files, using either a default template or one that you create

yourself. Style can be set to indented or run-in, and links directly from main headings can be allowed or disallowed.

When creating the index, you can choose to **incorporate cross-references automatically** from a TheW32 thesaurus. For this, you need to be running a copy of TheW32, a freeware package for thesaurus construction also available from the author's Web site. The thesaurus can also be used to standardize the vocabulary used in the entries.

Sample output

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
A
◆ abstracting
◇ LIS 677 - Abstracting introduction
◆ accessibility
◇ LIS 525 - Accessibility
◆ Active Server Pages
◇ LIS 525 - Active Server Pages
◇ LIS 558 - Active Server Pages
◇ RT SERVERS
◇ RT WORLD WIDE WEB
◆ Apache
◇ LIS 525 - Apache
◇ LIS 525 - Linuxconf
◇ BT SOFTWARE
◇ RT SERVERS
◆ artificial intelligence
◇ LIS 505 - Artificial intelligence
◇ RT ROBOTS
◇ RT SOFTWARE

XRefHT32 also incorporates several **utilities** for modifying or creating HTML files:

- to add named anchors for all headings in a specified range;
- to add named anchors to all occurrences of words or phrases on a list;
- to add links from all occurrences of words or phrases on a list to corresponding URLs;
- to create a table of contents;
- to convert some simple plain-text index and thesaurus formats to HTML;
- to replace all occurrences of a given string of characters with another string in a set of files.

XRefHT32's **HTML Editing Window** provides some simple editing functions for HTML files. It is especially designed to facilitate changing elements relevant to index generation in XRefHT32, namely, the title and meta-tagged keywords.

In this window, you can open a copy of either a local file or a file on a public Web site.

If you have a TheW32 thesaurus open, you can automatically change any of the keywords that are non-preferred terms in the thesaurus into the corresponding preferred terms. You can also automatically insert in the keywords a list of preferred terms from the thesaurus that seem to match words or phrases in all or a selected part of the text.

The HTML Editing Window can also be used to facilitate creating entries in the XRefHT32 main list from words and phrases on Web pages.. You can automatically insert a new entry, with the heading being set to whatever text you have selected in the editor and the URL to the URL displayed in the HTML Editing window.

A **Scripting Window** allows you to create, save, reload, and run scripts to simplify updating of indexes. Typically, a script will specify sets of HTML files to index. In addition, it may specify what aspects of the files to index and some other types of options.

A **version for Java**™ 2 Platform Standard Edition (J2SE) Version 5 is currently under development. An early release is available on the author's Web site. It is anticipated that the Java version will eventually be made open-source.

Prof. Timothy C. Craven,
Faculty of Information and Media Studies,
North Campus Building,
The University of Western Ontario,
London, Ontario
N6A 5B7.

<http://publish.uwo.ca/~craven/>
<mailto:craven@uwo.ca>