

# Automagic Bibliography

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## User Guide

Automagic Bibliography allows the user to create a bibliography from references within an HTML file. These references must be in the form of a label surrounded by “[ [” and “] ]” at the beginning and end respectively. The labels are provided by a built-in database which contains:

- All RFCs (the labels are “RFC” followed by the series number, left zero-padded to four digits),
- All BCPs (the labels are “BCP” followed by the series number),
- All FYIs (the labels are “FYI” followed by the series number),
- All STDs (the labels are “STD” followed by the series number), and
- All current W3C technical reports (the labels are the final segment of their URL).

Furthermore, an additional database can be provided in the refer format. Documentation of this format is widely available elsewhere and will not be provided here.

The simplest way to use Automagic Bibliography is via the web version, available at <http://gsnedders.html5.org/cite/>. A screenshot of this page as of writing is provided as figure 1.

# Automagic Bibliography

[View built-in bibliography!](#)

[Get help!](#)

Input HTML:

no file selected

Extra bibliography database:

no file selected

Figure 1: Home page of web user-interface.

The user-interface is (hopefully) self-explanatory.

“**View built-in bibliography!**” shows a table giving the labels in the built-in database along with the titles and dates of the documents that they represent.

“**Input HTML**” provides an input HTML file to process, i.e., the one that the bibliography should be added to.

“**Extra bibliography database**” optionally provides an additional bibliography database, in the refer format, that is added to the built-in database. Any definition in the extra database overrules one in the default database.

## Troubleshooting

### Where's my DOCTYPE going?

It's vanishing due to a bug in the HTML parser used. Sorry.

### Why are no references being inserted?

Do you have the required `<!--normative-->` or `<!--informative-->` comment? If you're using the begin/end variants, you must have both begin and end!

**My bibliography file isn't working as I'd expect!**

Only a small subset of refer fields are used, specifically those relevant to web documents.

# Technical Documentation

## Using the Hosted Version

### System Requirements

A web browser, and a working internet connection. Detail such as what web browser or what operating system does not matter. It is recommended to have at least the equivalent of:

**Processor:** 133MHz Pentium.

**Memory:** 32MB RAM.

**Hard drive:** 650MB.

### Step-by-Step instructions to use

1. Ensure you are connected to the internet.
2. Launch your preferred web browser.
3. Navigate to <http://gsnedders.html5.org/cite/>.

## Hosting It Yourself

### System Requirements

**Hard drive:** At least 2.3MB of free space.

**Memory:** 8MB RAM.

**Software:** Python 2.4 (obtainable from <http://www.python.org/>), or later 2.x releases; lxml 2.x (obtainable from <http://codespeak.net/lxml/>), a web-server that supports CGI scripts, such as Apache (obtainable from <http://httpd.apache.org/>).

### Installation

1. Obtain a copy of Automagic Bibliography.
2. Open a shell and change the current working directory to that of Automagic Bibliography. See your operating system instructions for this.
3. Execute `python setup.py install`.

4. Copy the `web` folder to somewhere web-accessible where CGI scripts will be executed.

## On the CD

`docs.pdf`:

This documentation.

`implementation/setup.py`:

Setup script, used for primarily for installation.

`implementation/cite/cite`:

CLI for Automagic Bibliography.

`implementation/cite/cite-buildbb`:

Script to build the built-in bibliography.

`implementation/cite/src/__init__.py`:

Empty file to make folder into Python package.

`implementation/cite/src/cite.py`:

Implementation of class that does all the heavy work of Automagic Bibliography.

`implementation/cite/src/builder/__init__.py`:

Empty file to make folder into Python package.

`implementation/cite/src/builder/rfc.py`:

Class to built bibliography database from RFC index.

`implementation/cite/src/builder/w3c.py`:

Class to built bibliography database from W3C TR index.

`implementation/cite/src/data/db.refer`:

Default, built-in, bibliography database.

`implementation/cite/src/data/rfc-index.xsd`:

XML Schema for RFC index XML.

`implementation/cite/test.py`:

Test runner for unit tests for sub-program.

`implementation/cite/test/test1.data`:

Test data for sub-program.

`implementation/cite/web/.htaccess`:  
Configuration file for the Apache HTTP server.

`implementation/cite/web/index.html`:  
Home page of web user interface.

`implementation/cite/web/list.py`:  
Provides listing of built-in database.

`implementation/cite/web/process.py`:  
Processes the given input/bibliography file.

`implementation/referdb/src/__init__.py`:  
Empty file to make folder into Python package.

`implementation/referdb/src/database.py`:  
Class representing bibliographic databases.

`implementation/referdb/src/entry.py`:  
Class representing bibliographic entries.