

# **Texinfo to HTML Converter**

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Manual Edition 0.11

for Version 1.64 (DJGPP port 2004-04-09 (r1)) of `texi2html` script.

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# 1 Overview about `texi2html`

Texinfo (<http://www.texinfo.org>) is the official documentation format of the GNU (<http://www.gnu.org>) project. It uses a single source file to produce both online information and printed output.

It is often proposed to have a way to produce HTML from Texinfo sources, like the GNU-Info format. It is much simpler to create one converter instead of writing all documentation new in HTML, cause there is so much documentation in Texinfo format all over the world.

The purpose of ‘`texi2html`’ is to convert Texinfo documents into HTML.

## 1.1 Ways to get HTML

You would like to HTML files out of your Texinfo files? You have two choices. The first one is to use `makeinfo` itself to create HTML files. The resulted file is only one big file and you don’t have much possibilities to change the layout of some sort of configuration you like. ...

## 1.2 Why ‘`texi2html`’ and not ‘`makeinfo`’?

In contrast to the HTML produced by `makeinfo --html` (the `makeinfo` program is part of the Texinfo distribution), the HTML output of ‘`texi2html`’ is highly configurable. Among other differences, with `texi2html` allows you to customize your entire page layout (like headers, footers, style sheets, etc), split documents at various levels, and use `latex2html` to convert `@tex` sections.

`texi2html` should reasonably convert all Texinfo 4.0 constructs. If not, please send a bug report to `texi2html@mathematik.uni-kl.de`.



## 2 Installation of `texi2html`

description of the installation process. What do you need? How?





### 3 Customizing files

Result from using ‘-frames’

```
texi2html -V -frames texi2html.texi
```

Explanation of the output differences against default, whatever this is ;-)



## 4 Customizing what gets expanded

Test starting.



## 5 Customizing page layout:

- a) General: Philosophy, and how it works
- aa) Navigation panels
- b) Top page
- c) Section pages
- d) Misc pages (ToC, About, etc)



## 6 Initialization file

`'texi2html.init'`

Initialization options are read first from `'/usr/local/etc/texi2htmlrc'` (the exact location being changeable with the `'--sysconfdir=dir'` option to the `configure` script), then from `'$HOME/.texi2htmlrc'`, then any command-line options including `'-init_file'` option; with later settings overriding earlier ones.

The default initialization options are defined in the `'texi2html.init'` file contained in the **Texi2html** distribution (which gets included near the beginning of the `texi2html` script that gets installed).

To customize `'texi2html'` it is best if you copy the appropriate sections from the `'texi2html.init'` contents into an appropriate local initialization file, make the necessary changes there, and then have `texi2html` read this initialization file by one of the means described above.

For an example on what you can produce with `texi2html` have a look at the following sites: <http://www.singular.uni-kl.de/Manual/html/>

### 6.1 Initialization file options

This section describes in detail all options which can only be used in initialization file (`'texi2html.init'`), but not on command line. This means the only way to change those options is to change the initialization file.

#### 6.1.1 Number sections.

if set, and `$T2H_NUMBER_SECTIONS` is set, then use node names in menu entries, instead of section names

```
$T2H_NODE_NAME_IN_MENU = 0;
```

#### 6.1.2 Avoid menu redundancy

if set and menu entry equals menu descr, then do not print menu descr. Likewise, if node name equals entry name, do not print entry name. `$T2H_AVOID_MENU_REDUNDANCY = 1;`

#### 6.1.3 Center Image

if set, center `@image` by default otherwise, do not center by default `$T2H_CENTER_IMAGE = 1;`

#### 6.1.4 Example Indent Cell

used as indentation for block enclosing command `@example`, etc If not empty, must be enclosed in `<td></td>` `$T2H_EXAMPLE_INDENT_CELL = '<td>&nbsp;</td>';`

#### 6.1.5 Small Example Indent

same as above, only for `@small` `$T2H_SMALL_EXAMPLE_INDENT_CELL = "<td>&nbsp;</td>";`



### 6.1.6 Small Font Size

# font size for @small \$T2H\_SMALL\_FONT\_SIZE = "-1";

### 6.1.7 Top Heading

if non-empty, and no @..heading appeared in Top node, then use this as header for top node/section, otherwise use value of @settitle or @shorttitle (in that order)  
\$T2H\_TOP\_HEADING = "";

### 6.1.8 Index Chapter

if set, use this chapter for **Index** button, else use first chapter whose name matches **index** (case insensitive) \$T2H\_INDEX\_CHAPTER = "";

### 6.1.9 Split Index

if set and \$T2H\_SPLIT is set, then split index pages at the next letter after they have more than that many entries

\$T2H\_SPLIT\_INDEX = 100;

### 6.1.10 HREF Dir Instead File.

if set (e.g., to 'index.html') replace hrefs to this file (i.e., to 'index.html') by './'  
\$T2H\_HREF\_DIR\_INSTEAD\_FILE = "";

## 7 Extension file

Here I have to put some explanation about the extension file `'texi2html.ext'`.

I'm not sure which purpose the extension file has. May be Olaf can answer this question.



## 8 Command Line Options

### 8.1 Debugging

‘-debug’

debugging: 0 — no debugging; other values; see beginning of texi2html

`$DEBUG_TOC = 1; $DEBUG_INDEX = 2; $DEBUG_BIB = 4; $DEBUG_GLOSS = 8; $DEBUG_DEF = 16; $DEBUG_HTML = 32; $DEBUG_USER = 64; $DEBUG_L2H = 128;`

### 8.2 DocType

‘-doctype’

`<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">`

### 8.3 Check

‘-check’ if set, only check files and give the list of all things that look like untranslated Texinfo commands

### 8.4 Expand

‘-expand’ if set to **tex** (or, **info**) expand `@iftex` and `@tex` (or, `@ifinfo`) sections else, neither expand `@iftex`, `@tex`, nor `@ifinfo` sections

### 8.5 Glossary

‘-glossary’ if set, uses section named **Footnotes** for glossary

### 8.6 Invisible

‘-invisible’ `$T2H_INVISIBLE_MARK` is the text used to create invisible destination anchors for index links (you can for instance use the ‘invisible.xbm’ file shipped with this program). This is a workaround for a known bug of many WWW browsers, including Netscape. For me, it works fine without it — on the contrary: if there, it inserts space between headers and start of text (obachman 3/99)

```
$T2H_INVISIBLE_MARK = "";
# $T2H_INVISIBLE_MARK = '&#160;';
```

### 8.7 Iso

‘-iso’

if set, ISO8879 characters are used for special symbols (like Copyright ©, etc)

`$T2H_USE_ISO = 0;`

## 8.8 Include Direcotry

‘-I’

list directories where @include files are searched for (besides the directory of the doc file) additional ‘-I’ args are add to this list.

```
@T2H_INCLUDE_DIRS = (".");
```

## 8.9 Top File

‘-top\_file’ uses file of this name for top-level file extension is manipulated appropriately, if necessary. If empty, ‘<basename of document>.html’ is used Typically, you would set this to ‘index.html’.

```
$T2H_TOP_FILE = "";
```

## 8.10 Table Of content File

‘-toc\_file’ uses file of this name for table of contents file extension is manipulated appropriately, if necessary. If empty, ‘<basename of document>\_toc.html’ is used

```
$T2H_TOC_FILE = "";
```

## 8.11 Frames

‘-frames’ if set, output two additional files which use HTML 4.0 **frames**.

```
$T2H_FRAMES = 0;
```

## 8.12 Menu’s

‘-menu’ or ‘-nomenu’ if set, show the Texinfo menus

```
$T2H_SHOW_MENU = 1;
```

## 8.13 Number sections

‘-number’ ‘-nonumber’ if set, number sections and show section names and numbers in references and menus

## 8.14 Split

‘-split section|chapter|none’ if set to **section** (resp. **chapter**) create one HTML file per (sub)section (resp. chapter) and separate pages for Top, ToC, Overview, Index, Glossary, About. otherwise, create monolithic HTML file which contains whole document

```
#$T2H_SPLIT = 'section'; $T2H_SPLIT = undef;
```

## 8.15 Section navigation

`'-section_navigation'|'-no-section_navigation'`

if set, then navigation panels are printed at the beginning of each section and, possibly at the end (depending on whether or not there were more than `$T2H_WORDS_IN_PAGE` words on page). This is most useful if you do not want to have section navigation on `'-split chapter'`

## 8.16 Subdirectory

`'-subdir'` if set put result files in this directory if not set result files are put into current directory

`$T2H_SUBDIR = undef;`

## 8.17 Short extension

`'-short_extn'` If this is set all HTML file will have extension `' .htm'` instead of `' .html'`. This is helpful when shipping the document to PC systems. `$T2H_SHORTEXTN = 0;`

## 8.18 Prefix

`'-prefix'` Set the output file prefix, prepended to all `' .html'`, `' .gif'` and `' .pl'` files. By default, this is the basename of the document

`$T2H_PREFIX = "";`

## 8.19 Output filename

`'-o filename'|'-out_file'` If set, generate monolithic document output HTML into `'filename'`.

## 8.20 Short Cross References

`'-short_ref'` if set cross-references are given without section numbers

## 8.21 Index Summary

`'-idx_sum'` If value is set, then for each `@prinindex $what` `'$docu_name_$what.idx'` is created which contains lines of the form `$key\t$ref` sorted alphabetically (case matters).

## 8.22 Verbose output

`'-verbose'` if set, chatter about what we are doing.

## 8.23 Language Support

'-lang' For page titles use `$T2H_WORDS->{$T2H_LANG}->{...}` as title. To add a new languages, supply list of titles (see `$T2H_WORDS`). and use ISO 639 language codes (see e.g. perl module 'Locale-Codes-1.02.tar.gz' for definitions)

See `<undefined>` [documentlanguage], page `<undefined>`.

## 8.24 LaTeX2HTML for @math and @tex

'-l2h' if set, uses `latex2html` for generation of math content.

### 8.24.1 Where to find latex2html

'-l2h\_l2h' name/location of `latex2html` program.

### 8.24.2 Skip calling LaTeX2HTML

'-l2h\_skip' if set, skips actual call to `atex2html` tries to reuse previously generated content, instead.

### 8.24.3 Temporary files for LaTeX2HTML

'-l2h\_tmp' if set, l2h uses this directory for temporary files. The path leading to this directory may not contain a dot (i.e., a "."), otherwise, l2h will fail

## Appendix A Indices

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