

texdi

Alejandro "alkeon" Castilla

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# 1 Texdi

## 1.1 Introducción

This documentation describes how to use and detail advantages and disadvantages of Texdi. It is recommended to read Tedi reference before this document.

## 1.2 Languages supported

Texdi name is from a portmanteau between text and tedi. Texdi goal is supporting all markup languages possibles. Supported languages were chosen by popularity and uses. Every converter are isolated libraries. Their names come from tedi2LANG where LANG is the language to be converted with.

- HTML: tedi2html
- Latex: tedi2tex
- AsciiDoc: tedi2ad
- Markdown: tedi2md

## 1.3 Terminal parameters

Allow different workflows for different uses.

`--latex` Convert to latex without author.

`--html` Convert to HTML with stylesheet by default.

`--asciidoc` Convert file to AsciiDoc.

`--markdown` Convert file to Markdown.

`--output ARCHIVO -o ARCHIVO` Allow user choose output filename.

`--own-styles` Link styles.css to document when converting to HTML.

`--help` Print this list with the same options.

## 1.4 Reference version

The first implementation was Matedi. This implementation started as a function used when loading page. At first it was easy to do but when Tedi got better code (compilers and interpreters are difficult) it got development a bit slow. This implementation converted to HTML only and made the way to the first library called tedi2html.

The first library led the way to create Texdi. First public version came with HTML, Latex and TXT conversion. TXT conversion later subdivided into Markdown and AsciiDoc. Because similarities with definitios and development, tedi2html is the reference library of Tedi.

tedi2html follows a sequential order that generates a hierarchy. Before every conversion, the whole file is preprocessed and all inserted documents are added to a single temporal file.

## **1.5 Control tags**

Only comments, metatags and embed tags are included in this category. Because these tags must be in the first tag of the line it's easier.

### **1.5.1 Comments**

This tag avoids saving anything to the converted file. It allows describing parts of the document.

### **1.5.2 Embed**

Library detects this tag, deletes it and keeps the line untouched. This tag allows the interpreter or compiler of the converted language to read that tag easily and without fails.

### **1.5.3 Metatag**

This tag keeps its capabilities from reference and it's supposed to work as intended.

## **1.6 Quotes**

Avoid conversion of links, images and containers. Starting quotation mark must be on the first character of the line and closing quotation mark must be on the last character.

User can add a line break in quoted lines with a white space before the closing quotation mark.

## **1.7 Containers, images and links**

A container is a piece of text (that can have more tags inside) that is isolated from the rest between brackets. Containers work like HTML div. Its conversion is like itself but with HTML syntax. Images and links work the same but for img tags and a tags.

## **1.8 Tables**

Last conversion done by code is converting Tedi tables to HTML/Latex/Markdown/AsciiDoc tables. Unique part of code that needs to know previous lines and next line of file.

## **1.9 Last notes**

Styles recommendation are highly recommended for Tedi files also for titles.