

# For FHICT Reports That Actually Look Good

*A Typst Template to Save Your Sanity - Version 1.1.3*

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# 1. Introduction

Welcome to the FHICT Typst Document Template manual. This manual is designed to help you understand and utilize the features of the Typst document template tailored for FHICT (Fontys Hogeschool ICT). Whether you are a student or faculty member, this template will assist you in creating professional-looking documents with ease.

In this manual, you will find detailed information on the parameters available in the FHICT Typst Document Template, along with examples of how to use them. The template provides a range of customization options to suit your specific needs, from setting the document title and authors to enabling line numbering and generating a table of contents.

I hope you find this manual helpful and that it enhances your document creation experience with Typst.

Even if you are not specifically from the ICT course, this template may still be useful to you. It is designed to be flexible and can be adapted to suit various document types and purposes. FHICT is never named specifically in the template, so it can be used for any Fontys course.

## 2. License

This document template is licensed under the MIT License. You are free to use, modify, and distribute this template, provided that the original copyright notice and this permission notice are included in all copies or substantial portions of the template.

For more details, refer to the LICENSE file included in the repository.

Please note that not all content in the template is licensed under the MIT License. For example, the Roboto font used in the template is subject to its own licensing terms.

When copying content from this template, make sure to respect the licenses of any third-party resources used in the template.

## 3. Versioning


This template follows semantic versioning. The version number is composed of three parts: major, minor, and patch. For example, in version 1.2.3:

- The first number (1) is the major version, which changes when there are significant updates that may include breaking changes.
- The second number (2) is the minor version, which changes when updates are added in a backward-compatible manner.
- The third number (3) is the patch version, which changes when backward-compatible bug fixes or small updates to documentation are made.

## 4. Importing


To use the FHICT Typst Document Template, you need to import it into your Typst document. You can do this by including the following line at the beginning of your document:

```
1 #import "@preview/unofficial-fhict-document-template:version": *
```

 Typst

It is also possible to download the template from the GitHub repository and import it locally. In that case the import statement would look like this:

```
1 #import "path/to/lib.typ": *
```

 Typst

## **5. Requirements**

To use the FHICT Typst Document Template, you need the Roboto font installed on your system. This font is used for the text in the document.

Version 1.1.3 of the template is compatible with Typst version(s) 0.13.

It may work with other versions of Typst, but it is recommended to use the specified version for optimal compatibility.

## 6. Main Function

The template can be used by calling the main function. This is done by calling the `fhict-doc` function with the desired parameters.

### Example code

[t Typst](#)

```
1 #show: fhict-doc.with(  
2   ...  
3 )
```

Afterwards you can add the content of the document.

### Example code

[t Typst](#)

```
1 #show: fhict-doc.with(  
2   ...  
3 )  
4  
5 My amazing content
```

### 6.1. title

Type: [string](#) or [none](#) | Default: "Document Title"

The title parameter is used to set the title of the document. If it is set to [none](#), the title will not be displayed.

### Example code

[t Typst](#)

```
1 title: "FHICT Typst Document Template Manual"
```

### 6.2. subtitle

Type: [string](#) or [none](#) | Default: none

The subtitle parameter is used to set the subtitle of the document. If it is set to [none](#), the subtitle will not be displayed.

### Example code

[t Typst](#)

```
1 subtitle: "A Detailed Guide to Typst Template"
```

### 6.3. language

Type: [string](#) | Default: "en"

The language parameter is used to set the language of the document. It determines the language of the text and formatting used in the document.

### Example code

[t Typst](#)


```
1 language: "nl"
```

## 6.4. available-languages

Type: [array](#) of [string](#) or [none](#) | Default: none

The available-languages parameter is used to specify the languages in which the document is available. It is an array of strings representing the language codes. If more than one language is specified, a language indicator will be displayed on the cover page to indicate the available languages. If it is set to [none](#), the language indicator will not be displayed.

### Example code

 Typst

```
1 available-languages: ("en", "nl")
```

## 6.5. date

Type: [string](#) or [none](#) | Default: none

The date parameter is used to set the date of the document. If it is set to [none](#), the date will be automatically generated based on the current date.

### Example code

 Typst


```
1 date: "2022-01-01"
```

## 6.6. authors-title

Type: [string](#) or [none](#) | Default: none

The authors-title parameter is used to set the title of the authors section. If it is set to [none](#), the authors section will not have a title.

### Example code

 Typst

```
1 authors-title: "Authors"
```

## 6.7. authors

Type: ([array](#) of ([string](#) or [content](#)) and [string](#)) or [none](#) | Default: none

The authors parameter is used to specify the authors of the document. It is an array of strings or content blocks representing the authors' names and emails. If the array is set, the names are required, and emails are optional. If it is set to [none](#), the authors section will not be displayed.

### Example code

 Typst

```
1 authors: (  
2   (  
3     name: "John Doe",  
4     email: "some@email.com",  
5   ),  
6   (  
7     name: "Jane Smith",  
8   ),  
9 )
```

## 6.8. assessors-title

Type: [string](#) or [none](#) | Default: none

The `assessors-title` parameter is used to set the title of the assessors section. If it is set to [none](#), the assessors section will not have a title.

#### Example code

[t](#) Typst

```
1 assessors-title: "Helpful People"
```

## 6.9. assessors

Type: ([array](#) of ([string](#) or [content](#)) and [string](#)) or [none](#) | Default: none

The `assessors` parameter is used to specify the assessors of the document. It is an array of strings or content blocks representing the assessors' names and emails. If the array is set, the names are required, and emails are optional. If it is set to [none](#), the assessors section will not be displayed.

#### Example code

[t](#) Typst

```
1 assessors: (  
2   (  
3     name: "Dr. Helpful",  
4     email: "helpful@email.com",  
5   ),  
6   (  
7     name: "Prof. Kind",  
8   ),  
9 )
```


## 6.10. version-history

Type: (array of 4 × (string or content)) or none Default: none

The version-history parameter is used to specify the version history of the document. It is an array of strings or content blocks representing the version number, data, author, and changes for each version. If the array is set, all four fields are required. If it is set to [none](#), the version history section will not be displayed.


The top entry in the array is the oldest version, and the bottom entry is the newest version. The version number of the most recent version will be displayed on the cover page if Section 6.18 is set to true.

### Example code - strings

 Typst

```
1 version-history: (  
2   (  
3     version: "1.0.0",  
4     date: "2022-01-01",  
5     author: "John Doe",  
6     changes: "Initial release",  
7   ),
```

### Example code - content

 Typst

```
1 version-history: (  
2   (  
3     version: [1.0.0],  
4     date: [2022-01-01],  
5     author: [John Doe],  
6     changes: [Initial release],  
7   ),
```




## 6.11. glossary-terms

Type: [dictionary](#) or [none](#) | Default: none


The `glossary-terms` parameter is used to specify the glossary terms for the document. It should follow the format dictated by [Glossarium](#).

### Example code

 Typst

```
1 glossary-terms: term-list
```

### Example code - terms list

 Typst


```
1 #let term-list = (  
2   (  
3     key: "fhict",  
4     short: [FHICT],  
5     long: [Fontys Hogeschool ICT],  
6     description: [Fontys University of Applied Sciences],  
7     plural: [FHICTs],  
8     longplural: [Fontys Hogescholen ICT],  
9     group: [Education],  
10  ),  
11 )
```

## 6.12. glossary-front

Type: [bool](#) | Default: false

The `glossary-front` parameter is used to specify whether the glossary should be displayed at the front of the document. If set to true, the glossary will be displayed at the beginning of the document, else it will be displayed at the end.

### Example code

 Typst


```
1 glossary-front: true
```

## 6.13. bibliography-file

Type: [bibliography](#) or [none](#) | Default: none

The `bibliography-file` parameter is used to specify the bibliography file for the document. This should be done using the built in [bibliography](#) function. The file itself should be a [BibTeX](#) file.

### Example code

 Typst


```
1 bibliography-file: bibliography("my-sources.bib")
```

## 6.14. citation-style

Type: `string` Default: `"ieee"`

The `citation-style` parameter is used to specify the citation style for the document. It determines the format in which citations are displayed.

### Example code

 Typst


```
1 citation-style: "apa"
```

## 6.15. toc-depth

Type: `int` Default: `3`

The `toc-depth` parameter is used to specify the depth of the table of contents (TOC) in the document. It determines how many levels of headings are included in the TOC.

### Example code

 Typst


```
1 toc-depth: 2
```

## 6.16. disable-toc

Type: `bool` Default: `false`

The `disable-toc` parameter is used to specify whether the table of contents (TOC) should be disabled in the document. If set to `true`, the TOC will not be generated.

### Example code

 Typst


```
1 disable-toc: true
```

## 6.17. disable-chapter-numbering

Type: `bool` Default: `false`

The `disable-chapter-numbering` parameter is used to specify whether chapter numbering should be disabled in the document. If set to `true`, chapters will not be numbered.

### Example code

 Typst


```
1 disable-chapter-numbering: true
```

## 6.18. disable-version-on-cover

Type: `bool` Default: `false`

The `disable-version-on-cover` parameter is used to specify whether the version number should be displayed on the cover page. If set to `true`, the version number will not be displayed.

### Example code

 Typst


```
1 disable-version-on-cover: true
```

## 6.19. chapter-on-new-page

Type: [bool](#) Default: false

The chapter-on-new-page parameter is used to specify whether each top level chapter should start on a new page. If set to true, each chapter will begin on a new page.

### Example code

 Typst


```
1 chapter-on-new-page: true
```

## 6.20. pre-toc

Type: [content](#) or [none](#) Default: none

The pre-toc parameter is used to specify content that should be displayed before the table of contents (TOC) in the document. It can be used to add introductory content or other information. The chapters that are added to the pre-toc will not be included in the TOC.

### Example code

 Typst


```
1 pre-toc: [  
2   = Introduction  
3  
4   This is the introduction to the document.  
5 ]
```

## 6.21. table-of-figures

Type: [bool](#) Default: false

The table-of-figures parameter is used to specify whether a table of figures should be generated in the document. If set to true, a list of figures will be included in the document.

### Example code

 Typst


```
1 table-of-figures: true
```

## 6.22. table-of-listings

Type: [bool](#) Default: false

The table-of-listings parameter is used to specify whether a table of listings should be generated in the document. If set to true, a list of code listings will be included in the document.

### Example code

 Typst


```
1 table-of-listings: true
```

## 6.23. table-of-tables

Type: `bool` Default: `false`

The `table-of-tables` parameter is used to specify whether a table of tables should be generated in the document. If set to `true`, a list of tables will be included in the document.

### Example code

 Typst


```
1 table-of-tables: true
```

## 6.24. appendix

Type: `content` or `none` Default: `none`

The `appendix` parameter is used to specify content that should be included in the appendix of the document. It can be used to add additional information, references, or other content. The chapters that are added to the appendix will be included in the TOC under the appendix section.

### Example code

 Typst


```
1 appendix: [  
2   = Additional Information  
3  
4   This is additional information that will be included in the appendix.  
5 ]
```

## 6.25. watermark

Type: `string` or `none` Default: `none`

The `watermark` parameter is used to set a watermark text that will be displayed on each page of the document. If it is set to `none`, no watermark will be displayed.

### Example code

 Typst


```
1 watermark: "DRAFT"
```

## 6.26. censored

Type: `int` Default: `0`

The `censored` parameter is used to specify whether the sensitive (Section 7.2) should be censored in the document. If set to `1`, the sensitive content will be censored.

### Example code

 Typst


```
1 censored: 1
```

## 6.27. line-numbering

Type: `bool` Default: `false`

The `line-numbering` parameter is used to specify whether line numbering should be enabled in the document. If set to `true`, line numbers will be displayed in the document.

### Example code

 Typst

```
1 line-numbering: true
```

## 6.28. line-numbering-scope

Type: `string` Default: `"page"`


The `line-numbering-scope` parameter is used to specify the scope of line numbering in the document. It determines where the count is reset.

Options are:

- `"page"`: Line numbers are reset on each page.
- `"document"`: Line numbers are continuous throughout the document.

For more (and more up to date) information on the options, see the [Typst documentation](#).

### Example code

 Typst

```
1 line-numbering-scope: "document"
```


## 6.29. print-extra-white-page

Type: `bool` Default: `false`

The `print-extra-white-page` parameter is used to specify whether an extra white page should be added at the end of a chapter<sup>1</sup> to make sure each chapter starts facing the reader in the case of a printed document.

This feature is mostly intended for documents that will be printed and bound.

### Example code

 Typst


```
1 print-extra-white-page: true
```

## 6.30. secondary-organisation-color

Type: `color` or `none` Default: `none`

The `secondary-organisation-color` parameter is used to set the color of an organisation's logo or other elements in the document that is not Fontys. It will be used on the cover page.

### Example code

 Typst

```
1 secondary-organisation-color: rgb("FF0000")
```

---


<sup>1</sup>Currently only at the end of each section added by the template. Such as the table of contents, list of figures, etc.

### 6.31. secondary-organisation-logo

Type: `image` or `none` | Default: `none`

The `secondary-organisation-logo` parameter is used to set the logo of an organisation that is not Fontys. It will be displayed on the cover page.

#### Example code

 Typst

```
1 secondary-organisation-logo: image("secondary-logo.png", width: 100px)
```


### 6.32. enable-index

Type: `bool` | Default: `false`

The `enable-index` parameter is used to specify whether an index should be generated in the document. If set to `true`, an index will be included in the document.

The index entries should be set using the `index` and `index-main` functions from [In Dexter](#).

#### Example code

 Typst


```
1 enable-index: true
```

### 6.33. index-columns

Type: `int` | Default: `2`

The `index-columns` parameter is used to specify the number of columns in the index. It determines how the index entries are displayed.

#### Example code

 Typst

```
1 index-columns: 3
```

### 6.34. header-spacing

Type: `array` of `2 × length` | Default: `(50%, 50%)`


## 7. Helper functions

### 7.1. hlink

Parameters: `string(url)`, `content(text)`

This function is used to create a styled hyperlink. The `url` parameter specifies the URL to link to, and the `text` parameter specifies the text to display as the link.

#### Example code

 Typst

```
1 #hlink("https://typst.app/", content: [Typst])
```

Which will look like this:


[Typst](https://typst.app/)

### 7.2. sensitive

Parameters: `string(text)`

This function is used to mark content as sensitive. The content will be censored if the `censored` parameter is set to 1.

#### Example code

 Typst

```
1 #sensitive("This is sensitive content")
```

If the `censored` parameter is set to 0, the content will not be censored. It will end up looking like this:

This is sensitive content

If the `censored` parameter is set to 1, the content will be censored. It will end up looking like this:


██

### 7.3. ftable

Parameters: `int`(style), `array`(columns), `content`(content)

The `ftable` function is the same as a normal table function, except it only takes 2 parameters and one custom parameter. The `ftable` parameter takes the columns and content parameters, just like the normal table function. The style parameter is used to set the style of the table. The available styles are 1 through 7.

#### Example code

 Typst

```
1 #ftable(  
2   columns: (auto, auto, auto, lfr),  
3   [Header 1], [Header 2], [Header 3], [Header 4],  
4   [Cell 1], [Cell 2], [Cell 3], [Cell 4],  
5   [Cell 1], [Cell 2], [], [Cell 4],  
6 ),
```

Which will look like this:


| Header 1 | Header 2 | Header 3 | Header 4 |
|----------|----------|----------|----------|
| Cell 1   | Cell 2   | Cell 3   | Cell 4   |
| Cell 1   | Cell 2   |          | Cell 4   |

### 7.4. set-code-line-nr

Parameters: `int`(line)

This function is a helper function for the `codly` function. It is intended to simplify the process of setting the line number for code blocks.


#### Example code

 Typst

```
1 #set-code-line-nr(start: 5)
```

Which will look like this:

```
5 #set-code-line-nr(5)
```

 Typst

You *will* need to call this function again if you want to change the line number. It does not reset the line number for the next code block.




## 7.5. text-box

Parameters: `color`(background-color), `color`(stroke-color), `color`(text-color), `content`(content)

All values except for the content parameter are optional.

The `text-box` function is used to create a styled text box. The `background-color` parameter specifies the background color of the box, the `stroke-color` parameter specifies the color of the box's border, and the `text-color` parameter specifies the color of the text inside the box.

### Example code

 Typst

```
1 #text-box[Hi there]
```

Which will look like this:


Hi there

## 7.6. lined-box

Parameters: `string`(title), `content`(body), `color`(line-color)

The `lined-box` function is used to create a styled box with a title and body. The `title` parameter specifies the title of the box, the `body` parameter specifies the content of the box, and the `line-color` parameter specifies the color of the line surrounding the box, as well as the text color.

### Example code

 Typst

```
1 #lined-box("Title", [Content])
```

Which will look like this:

Title

Content