Typst Workshop

documents made easy

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Contents

1. Overview

> **Typst**
>
> A markdown new markup-based typesetting system that is designed to be as powerful as LaTeX while being much easier to learn and use.

- Features :
  - ‣ Built-in markup for the most common formatting tasks
  - ‣ Flexible functions for everything else
  - ‣ A tightly integrated scripting system
  - ‣ Math typesetting, bibliography management, and more
  - ‣ Fast compile times thanks to incremental compilation
  - ‣ Friendly error messages in case something goes wrong

Comparison

Typst combines LaTeX's power with Word's simplicity, offering easy setup, real-time editing, and flexible design for all types of documents.

Feature	Typst	LaTeX	Word
Ease of Use	Simple syntax, instant preview	Complex syntax, steep learning curve	Very easy GUI but limited control
Setup	No heavy installs, works online	Requires full toolchain setup	Already installed but lacks flexibility
Design Control	Modern templates, live styling	Powerful but slow and code-heavy	Manual formatting only

Speed	Real-time rendering and quick edits	Slow compile cycle	Fast but not scalable for large docs
Diversity	Ideal for research, slides, reports, automation	Best for traditional academia	Best for casual or office documents

Why Typst?

Typst is a versatile all-rounder, combining LaTeX's precision with Word's simplicity, giving users powerful document control withou complexity.

1. Easy to learn and use: intuitive syntax with instant preview for faster workflows
2. Best of both worlds: LaTeX-level precision meets Word-style simplicity
3. Real time editing and fast rendering: see changes instantly, no compile delays
4. Flexible design: perfect for research papers, reports, slides, and professional documents
5. Minimal setup: works online, lightweight, and ready anywhere

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Bottom line

Typst saves time, reduces frustration, and empowers creators to produce beautiful, professional documents efficiently.

2. Getting Ready

Set up

Before we get started with Typst, we need to set things up for it. Its pretty simple and there are many options to pick from.

Option 1

Head over to https://typst.app/ and make an account then create a project.
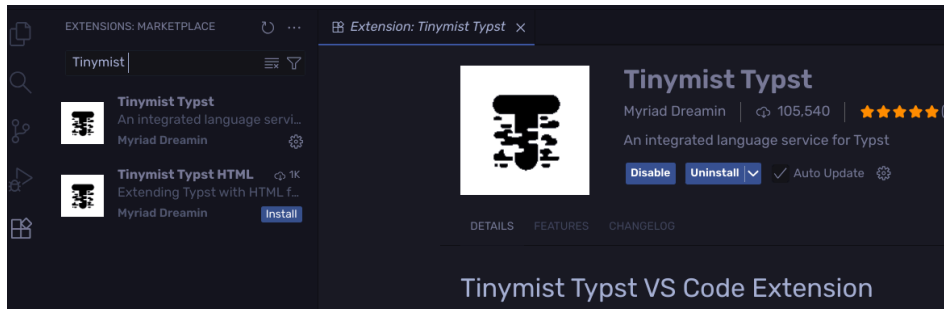
Option 2

Head over to Visual Studio Code (or any preferred editor of choice.) and download the Tinymist LSP.

In this workshop we will be going to work with **Option 2**.

Set up (ii)

To get started open up Visual Studio Code on your device and download
Tinymist extention.

Tinymist (Typst Language Server Provider)

Before writing a document with Typst, we have to learn it's syntax.

Documentation

https://typst.app/docs/reference/syntax/

Mode	Syntax	Example
Code	Prefix with `#`	`Number: #(1 + 2)`
Math	Surround with `$...$`	`$-x$ is the opposite of $x$`
Markup	Surround with `[..]`	`let name = [*Typst!*]`

3. Workshop Resources

Resources

- **Typst Documentation:** https://typst.app/docs/reference/syntax Complete reference for Typst syntax, functions, and best practices.

- **Tinymist VS Code Extension:** Tinymist Extension Typst Language Server for Visual Studio Code.

- **Typst Universe (Packages & Templates):** https://typst.app/universe Explore packages, templates, and community-contributed resources for Typst.

- **Official Typst Website:** https://typst.app Get started online, create projects, and see examples in your browser.

Templates to use

- **Basic-Resume** https://typst.app/universe/package/basic-resume/
- **Diatypst (presentation)** https://typst.app/universe/package/diatypst/