

typptx

A command-line tool that converts Typst to PowerPoint with editable text, lists, tables, equations, and vector shapes.

Published: Oct 02, 2026



Typptx is a command-line tool that converts Typst to PowerPoint with editable text, lists, tables, equations, and vector shapes.

Typptx has the following features:

- Editable text, lists, and tables
- Native click animations for Touying and Polylux overlays
- Editable vector shapes from Typst and CeTZ drawings
- Editable Office Math or Typst-rendered SVG equations
- SVG and PDF images with vector graphics preserved
- Hyperlinks and speaker notes
- Font embedding with support for variable fonts

Installation

From crates.io

Requires Rust 1.93+ and a C++17 compiler (MSVC on Windows). HarfBuzz is bundled in the crate.

```
cargo install typptx --locked
```

From prebuilt binaries

Download from Releases and add the executable to your PATH.

- macOS: Apple Silicon / Intel
- Linux: x86_64, glibc 2.35+
- Windows: x86_64

From source

```
git clone https://github.com/rice8y/typptx.git
cd typptx
cargo install --path . --locked
```

Usage

```
typptx slides.typ -o slides.pptx
```

Option	Description
<code>--math-format office svg</code>	Editable Office Math (default) or SVG equations
<code>--animations native slides</code>	Click animations (default) or separate static slides for each overlay
<code>--image-dpi DPI</code>	Limit embedded image resolution
<code>--root PATH</code>	Typst project root
<code>--font-path PATH</code>	Additional font directory
<code>--input KEY=VALUE</code>	Typst <code>sys.inputs</code> value
<code>--report PATH</code>	JSON diagnostics
<code>--strict</code>	Fail on any diagnostic
<code>--allow-image-fallback</code>	Export only unsupported content as images and report each fallback

See `typptx --help` for all options.

Limitations

- Layout may differ from Typst; all pages must have the same dimensions.
- Centered or complex lists use separate text boxes without automatic renumbering. Complex table cells may also use separate objects.
- Inline graphics and highlights do not follow text edits.
- Rotated and simple horizontally reflected tables use editable text and shapes instead of table cells.
- Other table transforms and some equations require image fallback. Enable it with `--allow-image-fallback`.
- Fonts that cannot be embedded must be installed locally.
- Animations use discrete states. Changed content uses separate objects that overlap in editing and print views and must be edited independently.
- Links target slides, not individual animation steps.

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