

Runtime File Injection Example

Files that don't exist at compile time can be injected at runtime using the `add_file()` method. This is useful for dynamically generated content, downloaded resources, or any data that is only available when the program runs.

How It Works

The `Document` struct provides two methods for runtime file injection:

- `add_file(path, data)` — Inject a file at the given path. The file becomes available to the Typst template as if it were embedded at compile time.
- `has_file(path)` — Check whether a file exists (either embedded or injected at runtime). Useful for conditional rendering.

The following example downloads a PDF from a remote server and injects it into the document:

```
1 // Download a PDF at runtime
2 let url = "https://example.com/report.pdf";
3 let pdf_bytes = ureq::get(url).call()?.body_mut().read_to_vec()?;
4
5 // Inject it so the template can reference "downloaded.pdf"
6 let pdf = typst_bake::document!("main.typ")
7   .add_file("downloaded.pdf", pdf_bytes)?
8   .to_pdf()?;
```



Result

The PDF shown on the right was downloaded at runtime and injected into this document using `add_file()`.

