

# Turn Data into Documents.

Fast. Scalable. Just HTML & CSS.

The Composition Engine bridges the gap between raw data (XML) and professional documents (PDF). It is designed to process massive datasets efficiently, producing pixel-perfect documents using HTML templates and headless browser rendering. Stop fighting with archaic formats like XSL-FO or proprietary tools. Build your invoices, statements, and reports using the web technologies you already know.

## KEY FEATURES

### High Fidelity Rendering

Uses a headless browser (Puppeteer) to render full HTML/CSS, ensuring your PDFs look exactly like your web templates. What you see is what you get.

### Scalable Streaming

Processes gigabyte-sized XML files with millions of records without loading the entire file into memory. Flat memory usage regardless of input size.

### High Concurrency

Parallel processing maximizes CPU usage and throughput by utilizing a robust pool of browser instances.

### Handlebars Templates

Full support for logic (`{{#if}}`, `{{#each}}`) and formatting helpers (`formatCurrency`, `formatDate`) to handle complex data requirements.

### Flexible Output Modes

Generate individual PDF files for each record (Multi Mode) or combine all records into a single giant PDF (Single Mode).

### Dynamic Charts

Embed data-driven charts directly in your documents.

## SYSTEM REQUIREMENTS

✓	Deno Runtime (v2.5 or later)
✓	Google Chrome, Chromium, or Microsoft Edge
✓	Windows, macOS, or Linux
✓	Multi-core Processor (2+ cores, 4+ recommended)
✓	Minimum 4GB RAM (8GB recommended for high concurrency)

## PRICING

TIER	PRICE	DETAILS
Developer	Free	Open Source (MIT License). Perfect for local development and small projects.
Enterprise	Contact Us	Dedicated support, SLA, and custom integration services.