Elysia Project Structure

The high-performance web framework for Bun. Elysia is designed to take full advantage of Bun's speed and features, offering an extremely fast and type-safe developer experience with a clean, modern TypeScript architecture.

Updated 2025-12-30

#elysia #bun #typescript #web-framework #type-safety #open-source

PNG PDF Copy Prompt

Project Directory

```
elysia/
  src/ Core framework …
    index.ts Main entry point
    elysia.ts The core class …
    handler.ts Request handlin…
    utils.ts
  example/ Usage examples
  package.json npm package man…
  tsconfig.json
```

Repository Info

Repository - elysiajs/elysia

Stars - 10k+

License - MIT

Last Analyzed - December 2025

Tech Stack

Runtime - Bun

Language - TypeScript

Validation - TypeBox (Static type inference)

Build Tool - Bun build

Architecture Notes

Elysia's architecture is built around the concept of 'Static Type Inference'. By using TypeBox, Elysia is able to provide end-to-end type safety without the overhead of heavy runtime validation. The framework is designed specifically for Bun, allowing it to utilize Bun's optimized APIs for networking and file I/O. Its structure is very flat and efficient, reflecting its focus on minimal overhead and maximum performance.

Key Directories

src/ - The core engine that provides the fluent API and type-safe routing

example/ - A collection of practical use cases demonstrating Elysia's features and performance

Why This Structure?

Elysia is the premier framework for the Bun ecosystem. It shows how to build a modern web framework that prioritizes both developer experience (via deep type safety) and runtime performance. It's an essential study for anyone building high-speed TypeScript services.