



Logto Project Structure

The better identity infrastructure for developers. A modern TypeScript monorepo using Node.js (Koa), React, and PostgreSQL.

Updated 2025-12-30

#logto #typescript #monorepo #pnpm #react #koa #auth

PNG

PDF

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Prompt

Project Directory

logto/

- packages/ Monorepo worksp...
- core/ OIDC/OAuth 2.0 ...
 - src/
 - package.json Koa + oidc-prov...
- console/ Admin Dashboard
 - src/
 - vite.config.ts
 - package.json React + SWR
- experience/ Sign-in/Sign-up...
- connectors/ Social & Email ...
 - connector-google/
 - connector-github/
 - connector-smtp/
- shared/ Shared types & ...
- cli/ Command-line in...
- pnpm-workspace.yaml Workspace config
- package.json Root dependenci...
- docker-compose.yml Dev infrastruct...

Repository Info

Repository - [logto-io/logto](#)

Stars - 12k+

License - MPL-2.0

Last Analyzed - December 2025

Tech Stack

Language - TypeScript

Backend - Node.js (Koa)

Frontend - React + Vite

Database - PostgreSQL

Package Manager - pnpm (Workspaces)

Auth Engine - node-oidc-provider

Architecture Notes

Logto is a textbook example of a modern TypeScript monorepo. It cleanly separates the 'Auth Engine' (`core`) from the 'Management UI' (`console`) and the 'End-User UI' (`experience`). This separation allows them to scale the authentication logic independently of the administrative dashboard.

Key Directories

packages/core/ - The heart of the system. Handles the OIDC protocol, token issuance, and user authentication flow.

packages/connectors/ - A pluggable system for adding identity providers (Google, GitHub) and notification services (SendGrid, Twilio).

packages/shared/ - Contains TypeScript interfaces and Zod schemas shared between the backend and frontend, ensuring type safety across the network boundary.

Why This Structure?

If you're building a complex full-stack product in TypeScript, study Logto. It demonstrates how to manage multiple frontend and backend applications in a single repo, share code effectively, and build a plugin system (connectors).