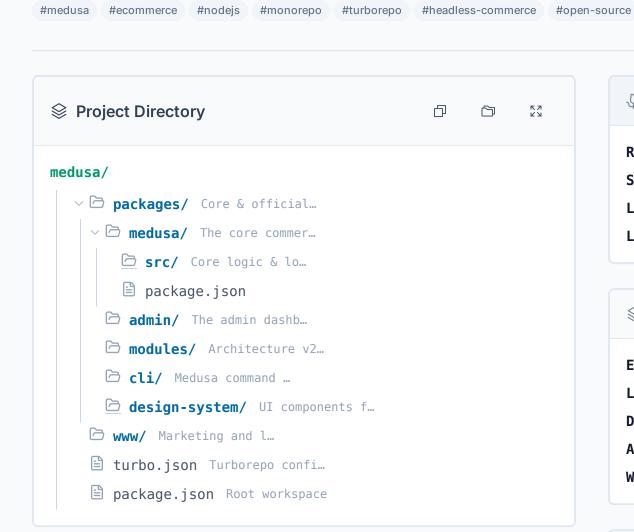
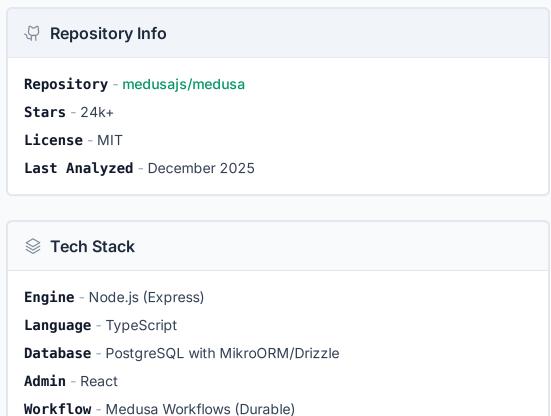
## Medusa Project Structure

The open-source alternative to Shopify. Medusa is a modular, high-performance headless commerce engine built with Node.js, featuring a clean monorepo structure that separates the core engine, admin dashboard, and its extensive module ecosystem.

Updated 2025-12-30





**⋈** PNG

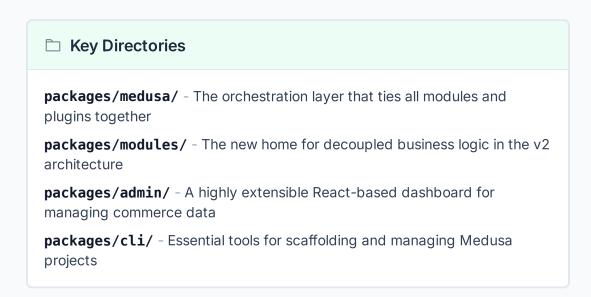
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## Architecture Notes

Medusa v2 has introduced a major shift towards a fully modular architecture. Instead of a monolithic core, commerce functionality is now split into independent 'Modules' (like Product, Cart, Order) that communicate via a central service bus. This allows developers to swap out core components or scale them independently. They also use 'Workflows' to manage complex, multi-step asynchronous business logic with built-in state management and retries.



## **○** Why This Structure?

Medusa is a prime example of modern, scalable Node.js architecture. Its transition to a modular system and its use of durable workflows make it an essential case study for building complex, mission-critical backend systems. It perfectly balances flexibility for developers with a robust core for commerce.