

# Deno Core Crate

crates.io v0.148.0 docs passing

The main dependency of this crate is [rusty\\_v8](#), which provides the V8-Rust bindings.

This Rust crate contains the essential V8 bindings for Deno's command-line interface (Deno CLI). The main abstraction here is the JsRuntime which provides a way to execute JavaScript.

The JsRuntime implements an event loop abstraction for the executed code that keeps track of all pending tasks (async ops, dynamic module loads). It is user's responsibility to drive that loop by using

`JsRuntime::run_event_loop` method - it must be executed in the context of Rust's future executor (eg. tokio, smol).

Rust functions can be registered in JavaScript using `deno_core::Extension`. Use the `Deno.core.opSync()` and `Deno.core.opAsync()` functions to trigger the op function callback. A conventional way to write ops is using the [deno\\_ops](#) crate.

Documentation for this crate is thin at the moment. Please see [hello\\_world.rs](#) and [http\\_bench\\_json\\_ops.rs](#) as examples of usage.

TypeScript support and lots of other functionality are not available at this layer. See the [CLI](#) for that.