Deno
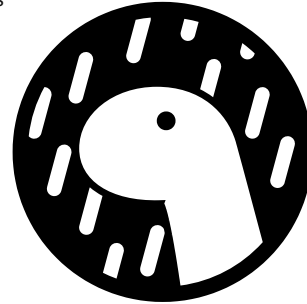
Deno is a *simple*, *modern* and *secure* runtime for **JavaScript** and **TypeScript** that uses V8 and is built in Rust.

Features

- Secure by default. No file, network, or environment access, unless explicitly enabled.
- Supports TypeScript out of the box.
- Ships only a single executable file.
- Built-in utilities.
- Set of reviewed standard modules that are guaranteed to work with Deno.

Install

Shell (Mac, Linux):

```
curl -fsSL https://deno.land/install.sh | sh
```

PowerShell (Windows):

```
iwr https://deno.land/install.ps1 -useb | iex
```

Homebrew (Mac):

```
brew install deno
```

Chocolatey (Windows):

```
choco install deno
```

Scoop (Windows):

```
scoop install deno
```

Build and install from source using Cargo:

```
cargo install deno --locked
```

See deno_install and releases for other options.

Getting Started

Try running a simple program:

```
deno run https://deno.land/std/examples/welcome.ts
```

Or a more complex one:

```
const listener = Deno.listen({ port: 8000 });
console.log("http://localhost:8000/");

for await (const conn of listener) {
  serve(conn);
}

async function serve(conn: Deno.Conn) {
  for await (const { respondWith } of Deno.serveHttp(conn)) {
    respondWith(new Response("Hello world"));
  }
}
```

You can find a deeper introduction, examples, and environment setup guides in the manual.

The complete API reference is available at the runtime documentation.

Contributing

We appreciate your help!

To contribute, please read our contributing instructions.