

Investec Open Banking CLI









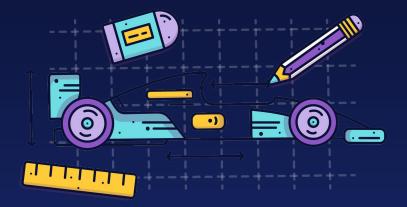
I'm Adrian Hope-Bailie and I work at Coil

This is my Investec Open Banking CLI

- CLI for working with your bank account(s)
- No need to log into app or Web
- Built to learn Deno







How it works





How it works

- Very simple (one Typescript file)
- REPL (Read Eval Print Loop)
- Basic state held in-memory and shown in prompt (e.g. 🔐 vs 🔒)
 - Logged in (valid access token)
 - Selected Account
 - Privacy mode
- Auto-login if possible (looks in ENV variables for credentials)





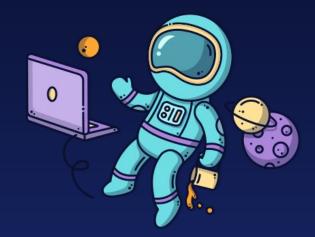


- ... a simple, modern and secure runtime for JavaScript and TypeScript
- Uses V8 (like Node) but built in Rust
- No file, network, or environment access, unless explicitly enabled.
- Built-in dependency inspector (deno info) and a code formatter (deno fmt).
- No npm/yarn. Modules loaded via URLs









Get Involved!



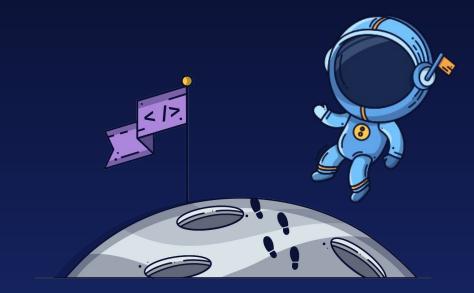


Challenges encountered

- Deno uses Browser APIs not Node APIs (No Buffer etc 🤔)
- Fewer 3rd party libraries (Couldn't use yargs 🧐)
- Read-only Open Banking APIs (no payments/transfers 😢)







Next Steps





Next steps

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- Some minor tweaks and TODOs (documented in README)
- Implement pay using *puppeteer* to show how the API might work
- Make Investec Open Banking usable for settlements with Interledger



interledger.org

openpayments.dev

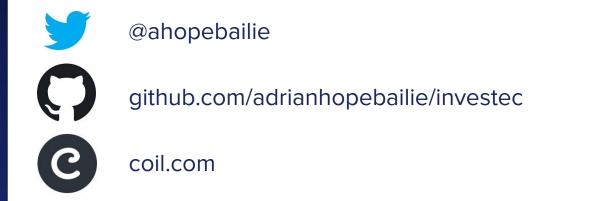












Adrian Hope-Bailie on OfferZen Community Slack







Questions



