ergo-graphql - Final Report

As the Ergo ecosystem grows and new use cases emerge, the constant need of changes on the current explorer's API, to attend such scenarios, and the heavy traffic load, becomes an important issue and a considerable bottleneck for the entire ecosystem. ergo-graphql aims to address this by serving blockchain data for dApps in an easy, flexible and scalable way.

During the ErgoHack Fest we focused on delivering an equivalent solution to explorer’s API that was pluggable, easy to deploy and heavily cached. As a result we achieved a very solid and resource-efficient build.

Important milestones achieved during ErgoHack

- Parity with current explorer's API for data serving endpoints
- Query caching mechanism, which is invalidated when a new block is found

Next on

- Fine tune SQL queries for improved performance on uncached requests
- Add documentation
- Transaction broadcasting
- Data state subscriptions (a dApp can get notified when a transaction gets confirmed, or when a box is spent, for example)
- TypeScript/JavaScript client library
- Alternative explorer front-end on top of ergo-graphql server

Repository

- https://github.com/capt-nemo429/ergo-graphql