

Sprint Plan - EOS Blocks GraphQL API

Sprint completion date: June 12, 2018

High-Level Goals: Run a dockerized EOS node, build a Node.js GraphQL API server, and link them to each other to fetch block info.

Tasks:

1. User Story 1: As a Developer I want a GraphQL endpoint of recent blocks.
 - a. Make project skeleton and dockerize API server, linking it to the dockerized EOS node (1-2 hour)
 - b. Write function for asynchronously getting block info based on block number passed in (or latest block if no number provided) (1-2 hour)
 - c. Write graphql schema for queries to API (2-3 hour)
 - d. Use Node.js cluster module to multi-thread API (<1 hour)
 - e. Cache block data in mongoDB including writing schema and controller so block don't need to be re-queried and allow for multiple api-servers to use the same cache (2-3 hours)
 - f. Write tests in js using eosjs to make many transactions and then print the results of querying the API for the most recent as well as specific blocks with varying query structures (3-5 hours)

Roles:

- Vikram Melkote: Developer