Indexers and Connectors

Kupo

Work in progress

Oura

Work in progress

Node interaction

Ogmios

Vector Omgmios is a Haskell package that provides a WebSocket interface to interact with Vector. It is open source and can be found here. It is used by the Blockfrost Backend RYO to evaluate and submit transactions to the Vector network. You can use it to interact with the Vector network programmatically.

Read more about the API Reference.

If you don't want to mess around with running this locally, you can just use Demeter's Ogmios instance.

You can use either the precompiled binaries, docker or the source code to run it. We will cover how to run it with docker.

Make sure you have a socket to connect to a fully synced node. Let's assume, you have a socket at **`path-to-socket-directory/node.socket`**, you can run the following command to start up the server:

```
docker run \
    -p 1337:1337 \
    -v path-to-socket-directory:/mnt/ipc \
    ghcr.io/apex-fusion/vector-ogmios:latest \
    --node-socket /mnt/ipc/node.socket \
    --node-config /config/testnet/cardano-node/config.json \
    --host 0.0.0.0
```

You can connect to it by running the following command:

```
websocat ws://localhost:1337
```

You can send this message to the websocket to see the current node tip:

```
{ "jsonrpc": "2.0", "method": "queryLedgerState/tip", "id": null }
```

Or send this message to see protocol parameters:

```
{ "jsonrpc": "2.0", "method": "queryLedgerState/protocolParameters",
```

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