Testing

Requirements

- Installchromedriver
- . It is required to run tests from./apps/block_scout_web
- of the Umbrella application.
- This set of environment variables is required for each run of the test (mix test
-) suite:
- ```
- Copy
- exportMIX_ENV=test
- exportPOSTGRES_DB=explorer_test
- exportPOSTGRES_PASSWORD=postgres
- exportPOSTGRES_USER=postgres
- exportCHAIN_ID=77
- ```
- Since v6.6.0, there are more flexible options for configuring the database used in testing. Refer to theTEST_DATABASE_URL
- andDATABASE_READ_ONLY_API_URL
- environment variables for more details.
- ```
- Copy
- exportMIX_ENV=test
- exportTEST_DATABASE_URL=postgresql://postgres:postgres@postgres-host:5432/explorer_test
- exportCHAIN_ID=77
- ```

Running tests

1. Build assets.cd apps/block_scout_web/assets && npm run build; cd -
2. Format Elixir code.mix format
3. Lint Elixir code.mix credo --strict
4. Run the dialyzer.mix dialyzer --halt-exit-status
5. Check the Elixir code for vulnerabilities.cd apps/explorer && mix sobelow --config; cd -
6. cd apps/block_scout_web && mix sobelow --config; cd -
7. Lint JavaScript code.cd apps/block_scout_web/assets && npm run eslint; cd -
8. Test JavaScript code.cd apps/block_scout_web/assets && npm run test; cd -
9. Run separate test suites for the Umbrella application
10. -indexer
11. mix do ecto.create --quiet, ecto.migrate && cd apps/indexer && mix do compile, test --no-start && cd -
12. -explorer
13. mix do ecto.create --quiet, ecto.migrate && cd apps/explorer && mix do compile, test --no-start && cd -
14. -block_scout_web
15. mix do ecto.create --quiet, ecto.migrate && cd apps/block_scout_web && mix do compile, test --no-start && cd -
16. -ethereum_jsonrpc
17. mix do ecto.create --quiet, ecto.migrate && cd apps/ethereum_jsonrpc && mix do compile, test --no-start && cd -

Nethermind

Mox

This is the default setup. mix test --no-start will work on its own, but to be explicit, use the following setup :

```

Copy ETHEREUM_JSONRPC_CASE=EthereumJSONRPC.Case.Nethermind.Mox \
ETHEREUM_JSONRPC_WEB_SOCKET_CASE=EthereumJSONRPC.WebSocket.Case.Mox \ mix test --no-start --exclude no_nethermind

```

HTTP / WebSocket

```

Copy ETHEREUM_JSONRPC_CASE=EthereumJSONRPC.Case.Nethermind.HTTPWebSocket \
ETHEREUM_JSONRPC_WEB_SOCKET_CASE=EthereumJSONRPC.WebSocket.Case.Nethermind \ mix test --no-start --exclude no_nethermind

```

```

Protocol URL HTTP http://localhost:8545 WebSocket ws://localhost:8546

Geth

Mox

```

```

Copy ETHEREUM_JSONRPC_CASE=EthereumJSONRPC.Case.Geth.Mox \
ETHEREUM_JSONRPC_WEB_SOCKET_CASE=EthereumJSONRPC.WebSocket.Case.Mox \ mix test --no-start --exclude no_geth

```

```

HTTP / WebSocket

```

```

Copy ETHEREUM_JSONRPC_CASE=EthereumJSONRPC.Case.Geth.HTTPWebSocket \
ETHEREUM_JSONRPC_WEB_SOCKET_CASE=EthereumJSONRPC.WebSocket.Case.Geth \ mix test --no-start --exclude no_geth

```

```

Protocol URL HTTP https://mainnet.infura.io/8lTvJTKmHPCHazkneJsY WebSocket wss://mainnet.infura.io/ws/8lTvJTKmHPCHazkneJsY

Last updated5 months ago