

Ogmios

Ogmios is a lightweight bridge interface for [cardano-node](#). It offers a WebSockets API that enables local clients to speak [Ouroboros' mini-protocols](#) via JSON/RPC.

The tutorial to build Ogmios manually: <https://ogmios.dev/getting-started/building/> and via Docker: <https://ogmios.dev/getting-started/docker/>

This is the docker-compose to connect Ogmios to Cardano node via node socket file:

```

services:
  cardano-node:
    image: ghcr.io/intersectmbo/cardano-node:8.9.1
    container_name: cardano-node
    volumes:
      - ./devnet:/devnet
    environment:
      - CARDANO_BLOCK_PRODUCER=true
      - CARDANO_SOCKET_PATH=/devnet/node.socket # used by cardano-node
      - CARDANO_NODE_SOCKET_PATH=/devnet/node.socket # used by cardano-cli
    ports:
      - 3001:3001
    command:
      [
        "run",
        "--config",
        "/devnet/cardano-node.json",
        "--topology",
        "/devnet/topology.json",
        "--database-path",
        "/devnet/db",
        "--shelley-kes-key",
        "/devnet/kes.skey",
        "--shelley-vrf-key",
        "/devnet/vrf.skey",
        "--shelley-operational-certificate",
        "/devnet/opcert.cert",
        "--byron-delegation-certificate",
        "/devnet/byron-delegation.cert",
        "--byron-signing-key",
        "/devnet/byron-delegate.key",
        "--host-addr",
        "0.0.0.0",
        "--port",
        "3001"
      ]

  cardano-node-ogmios:
    image: cardanosolutions/ogmios:v5.5.7-preprod
    logging:
      driver: "json-file"
      options:
        max-size: "400k"
        max-file: "20"
    ports:
      - ${OGMIOS_PORT:-1337}:1337
    restart: on-failure
    depends_on:
      - cardano-node
    volumes:
      - ./devnet:/devnet
      - ./devnet/db:/db
    command:
      [
        "--node-config",
        "/devnet/cardano-node.json",
        "--host",
        "0.0.0.0",
        "--node-socket",
        "/devnet/node.socket"
      ]

```