Configuration

The router is accepts configuration using the config fileconfig.json in the root directory of the [docker-compose repo](#) .

The JSON schema accepts the following keys:

- redis
- :Required
- . Object containing the following keys to configure an external redis instance:

  - host

  - :Required

  - . The hostname of the redis instance.

  - port

  - :Required

  - . The port of the redis instance.
- *
- server
- :Required
- . Object containing the following keys to configure the HTTP server:

  - adminToken

  - :Required

  - . Secret token used to authenticate admin requests.

  - port

  - :Optional

  - . The port the router will listen on. Defaults to8080

  - .

  - host

  - :Optional

  - . The host the router will listen on. Defaults to0.0.0.0

  - .
- *
- web3SignerUrl
- :Recommended
- . The URL for a running[Web3Signer](#)
- instance. This is the recommended approach to private key storage.
- mnemonic
- :Optional, Discouraged
- . The mnemonic used to generate the private key. Using the mnemonic directly in the config file is unsafe and not recommended.
- chains
- :Required
- . The chain configuration. A JSON object with the following keyed by Domain IDs with the following object schema as value:

  - providers

  - :Required

  - . An array of providers URLs for a chain. Use a minimum of 1 URL, but additional URLs provide more fallback protection against provider issues.

- assets
  - :Required
  - . An array of assets. Each asset is a JSON object with the following keys:
    - assetId
    - :Required
    - . The asset ID (ERC20 token address). This needs to represent the "local" asset which is the Connext bridge minted asset.
    - name
    - :Required
    - . The Asset Name.

- *
- network
- :Required
- .mainnet
- ortestnet
- .
- environment
- :Optional
- .production
- orstaging
- .mainnet
- network config will always beproduction
- .
- logLevel
- :Optional
- . The log level. Defaults toinfo
- . Acceptsdebug
- ,info
- ,warn
- ,error
- ,fatal
- ,trace
- ,silent
- .
- sequencerUrl
- :Optional
- . The URL for the sequencer. Only used to override defaults.
- cartographerUrl
- :Optional
- . The URL for the cartographer. Only used to override defaults.
-

Example Configuration File

These are example RPC URLs. Please get your own RPC URLs!

```

Copy { "chains":{ "1634886255":{ "assets":[ { "address":"0x8c556cF37faa0eeDAC7aE665f1Bb0FbD4b2eae36",
"name":"USDC" }, { "address":"0x2983bf5c334743Aa6657AD70A55041d720d225dB", "name":"WETH" } ], "providers":[
"https://arb-mainnet.g.alchemy.com/v2/...", "https://rpc.ankr.com/arbitrum" ] }, "1869640809":{ "assets":[ {
"address":"0x67E51f46e8e14D4E4cab9dF48c59ad8F512486DD", "name":"USDC" }, {
"address":"0xbAD5B3c68F855EaEcE68203312Fd88AD3D365e50", "name":"WETH" } ], "providers":[ "https://opt-

mainnet.g.alchemy.com/v2/...", "https://rpc.ankr.com/optimism" ] }, "1886350457":{ "assets":[ {
"address":"0xF96C6d2537e1af1a9503852eB2A4AF264272a5B6", "name":"USDC" }, {
"address":"0x4b8BaC8Dd1CAA52E32C07755c17eFadeD6A0bbD0", "name":"WETH" } ], "providers":[ "https://polygon-
mainnet.g.alchemy.com/v2/...", "https://rpc.ankr.com/polygon" ] }, "6450786":{ "assets":[ {
"address":"0x5e7D83dA751F4C9694b13aF351B30aC108f32C38", "name":"USDC" }, {
"address":"0xA9CB51C666D2AF451d87442Be50747B31BB7d805", "name":"WETH" } ], "providers":[ "https://bsc-
dataseed1.binance.org", "https://bsc-dataseed2.binance.org", "https://rpc.ankr.com/bsc" ] }, "6648936":{ "assets":[ {
"address":"0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48", "name":"USDC" }, {
"address":"0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2", "name":"WETH" } ], "providers":[ "https://eth-
mainnet.alchemyapi.io/v2/...", "https://rpc.ankr.com/eth" ] }, "6778479":{ "assets":[ {
"address":"0x44CF74238d840a5fEBB0eAa089D05b763B73faB8", "name":"USDC" }, {
"address":"0x538E2dDbfDf476D24cCb1477A518A82C9EA81326", "name":"WETH" } ], "providers":[
"https://rpc.gnosischain.com", "https://rpc.ankr.com/gnosis" ] } }, "environment":"production", "logLevel":"debug",
"messageQueue":{ "uri":"amqp://guest:guest@rabbitmq:5672" }, "redis":{ "host":"redis", "port":6379 }, "server":{
"adminToken":"supersecret" }, "web3signer":"http://signer:9000", "network":"mainnet" }

```