

Running a node

Before you begin * Ensure Nethermind is installed according to the [installation guide](#) * . * Check out the [security considerations](#) * before using Nethermind for critical operations. In addition to the foundational Layer 1 networks, Nethermind supports various Layer 2 networks and sidechains out of the box. Running Nethermind on a supported network is as simple as specifying the respective [configuration file](#) with the `-c, --config` option.

tip We urge you to always [explicitly specify](#) Nethermind's data directory outside of the Nethermind installation directory to avoid data loss during upgrades or reinstallation. The data directory must be on a disk with sufficient space and read/write permissions.

Ethereum

Supported networks

- [Mainnet](#)
- [Holesky](#)
- (testnet)
- [Sepolia](#)
- (testnet)

tip We highly recommend checking out the [Spin up your own Ethereum node](#) guide by the Ethereum Foundation. Important [Aconsensus client](#) of your choice must be running before you start Nethermind. For instance, to launch the client with the default configuration for the Mainnet and custom data directory, run:

```
nethermind \ -c mainnet \ -dd path/to/data/dir \ --JsonRpc.JwtSecretFile path/to/jwt.hex
```

 For more info about configuring the JWT secret, see [Configuring JSON-RPC interface](#) .

For archive (aka full) nodes, Nethermind provides separate configuration files prefixed with `_archive` . Thus, to run Nethermind on the Mainnet as an archive node, simply change `mainnet` to `mainnet_archive` in the above command as follows:

```
nethermind \ -c mainnet_archive \ -dd path/to/data/dir \ --JsonRpc.JwtSecretFile path/to/jwt.hex
```

 Archive nodes are generally more resource-demanding. If you intend to run one, we recommend checking out the [hardware requirements](#) .

OP Stack

Supported networks

- Optimism* [OP Mainnet](#)
- - [OP Sepolia](#)
- - (testnet)
- Base* [Base Mainnet](#)
- - [Base Sepolia](#)
- - (testnet)

To run Nethermind on an OP Stack network, see [Layer 2 networks](#) .

Gnosis Chain

Supported networks

- [Gnosis](#)
- [Chiado](#)
- (testnet)

To run Nethermind on the Gnosis Chain, see the [Gnosis Chain documentation](#) .

Energy Web Chain

Supported networks

- [Energy Web](#)

- [Volta](#)
- (testnet)

info As the Energy Web Chain is an Aura-based network, running a node does not require a consensus client. To run Nethermind on the Energy Web Chain, see the [Energy Web Chain documentation](#) . [Edit this page](#) Last updated on Nov 2, 2024 [Previous](#) [Installing Nethermind](#) [Next](#) [Consensus clients](#)