Building from source

The Nethermind's source code can be obtained from [our repository](#) on GitHub:

git clone --recursive https://github.com/nethermindeth/nethermind.git There are two options buiding Nethermind from source code:

- [Standalone binaries](#)
- [Docker image](#)

Building standalone binaries

Prerequisites

To build Nethermind from source, install [.NET SDK](#) 8 or later.

Building

To build both the client and tests, run the following command from the project's root directory:

dotnet build src/Nethermind/Nethermind.sln -c release To simply run the client with a specific configuration without building tests, see below.

info Before running the client or tests, ensure the platform-specific [prerequisites](#) are met.

Running

Nethermind can be launched immediately without compiling explicitly (thus, the previous step can be skipped). The following command builds Nethermind if needed and runs it:

cd src/Nethermind/Nethermind.Runner dotnet run -c release -- -c mainnet All Nethermind-specific parameters can be specified after -- . For instance, the command above specifies the Mainnet configuration only.

The build artifacts can be found in the src/Nethermind/artifacts/bin/Nethermind.Runner/release directory. By default, the logs and database directories are located here as well.

For more info, see [Running Nethermind](#) .

Testing

There are two test suites — Nethermind and Ethereum Foundation. Tests can be run with the following commands (the initial step of the build is not required):

cd src/Nethermind

Run Nethermind tests

dotnet test Nethermind.sln -c release

Run Ethereum Foundation tests

dotnet test EthereumTests.sln -c release

Bulding Docker image

To build Nethermind Docker image, run the following command from the project's root directory:

docker build -t nethermind . For more info about running Docker containers, see [Installing Nethermind](#) . [Edit this page](#) Last updatedonFeb 17, 2024 [Previous Aura-based validators](#) [Next Plugins](#)