Installation

Get started with MEV-Boost installation with this guide. Whether you are looking to install it on a machine with the beacon client or multiple beacon clients, this guide will assist you in setting it up smoothly.

Prerequisites

- For a comprehensive guide on preparing for the merge, refer toRémy Roy's guide
- .
- Ensure you haveGo 1.18+
- installed for source-based installations.

Installation Methods

Using Binaries

For convenience, each release includes binaries suitable for Linux, Windows, and macOS (both amd and arm). Find the latest releaseshere .

From Source

Build and install withgo install

The easiest way to build and install MEV-Boost from sources is to usego install . You can simply execute thego install command as shown below:

go install github.com/flashbots/mev-boost@latest mev-boost -help This would install the latest version of MEV-Boost in yourGOPATH/bin directory. You can then run themev-boost command from anywhere in your terminal.

If you want to install a specific version, you can use the@ syntax:

go install github.com/flashbots/mev-boost@VERSION Simply look up the specific version you want to install in thereleases page.

Clone and Build

You can also clone the repository and build the software yourself without usinggo install .

1. Clone the repository:
2. git clone https://github.com/flashbots/mev-boost.git
3. cd mev-boost
4. (Optional) To build a specific release, refer to the availablereleases
5. and checkout the desired tag:
6. git checkout tags/YOUR_VERSION
7. Build the software:
8. make build
9. If you experience issues, use the portable build:
10. make build-portable
11. Verify your installation:
12. ./mev-boost -help

From Docker Image

Flashbots provides maintained Docker images for MEV-Boost.

1. Install Docker Engine
2. .
3. Pull the latest MEV-Boost image:
4. docker pull flashbots/mev-boost:latest
5. Or pull the portable version:
6. docker pull flashbots/mev-boost:latest-portable
7. Run the Docker image:
8. docker run flashbots/mev-boost -help

Systemd Configuration

To keep MEV-Boost running as a service, configure systemd by creating the systemd config file/etc/systemd/system/mev-boost.service .

Below is an example of a config file:

[Unit] Description = mev-boost Wants = network-online.target After = network-online.target

[Service] User = mev-boost Group = mev-boost WorkingDirectory = /home/mev-boost Type = simple Restart = always RestartSec = 5 ExecStart = /home/mev-boost/bin/mev-boost \ -mainnet \ -relay-check \ -relays YOUR_RELAY_CHOICE

[Install] WantedBy = multi-user.target

Troubleshooting

If you encounter an error:"SIGILL: illegal instruction" , you'll need to use the portable build.

There are three ways to install the portable build:

1. Use theportable Docker image
2. .
3. Build the portable version from source:
4. make build-portable
5. Usinggo install
6. :
7. CGO_CFLAGS="-O -D__BLST_PORTABLE__" go install github.com/flashbots/mev-boost@latest Edit this page Last updatedonJan 30, 2024 Previous System Requirements Next Usage