

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 to [Rémy Roy's guide](#)
- .
- Ensure you have [Go 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 releases [here](#) .

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 the[releases](#) 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 available[releases](#)
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 the[portable 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 updatedonFeb 13, 2024 [Previous System Requirements](#) [Next Usage](#)