System Requirements

This guide assumes a pre-installed and hardened Ubuntu installation as well as Docker . Excellent introductory resources to start with are: Coincashew , and Rocketpool's Securing your Node

Requirements for different systems

Execution + Beacon Requirements

- Software
- : Execution client, beacon node client (instructions for clients below) curl
- OS
- : 64-bit Linux, Mac OS X 10.14+, Windows 10+ 64-bit
- CPU
- : 4+ cores @ 2.8+ GHz
- Memory
- : 16GB+ RAM
- Storage
- : SSD with at least 2TB free space
- Network:
- 8 MBit/sec broadband

tip There are variations in client resource usage. Please review CoinCashew's Client Usage Guide for more details!

Validator Requirements

- Everything above, plus...
- Software:
- Validator client, browser-based crypto wallet (instructions below)
- Hardware
- (Recommended): A new machine that has never been connected to the internet that you can use to securely generate your mnemonic phrase and keypair
- 32 ETH
- (Mainnet)
- 32 testnet ETH
- (Testnets)

MEV-Boost Requirements

- Can run on any beacon-node system, and requires almost no resources.

Consensus client configuration guides

MEV-Boost Client Guides Teku Guide Prysm Guide Lighthouse Guide Lodestar Guide Nimbus Guide Edit this page Last updatedonFeb 13, 2024