

# 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 updated on Jan 30, 2024 [Previous Relay Fundamentals](#) [Next Installation](#)