

# Overview

## System Requirements

This is the hardware configuration required to set up an Avail node:

Component Minimum Recommended RAM 8GB 16GB CPU (amd64/x86 architecture) 4 core 8 core Storage (SSD) 20-40 GB 200-300 GB While we do not favor any operating system, more secure and stable Linux server distributions (like CentOS) should be preferred over desktop operating systems (like Mac OS and Windows). Also, the minimum storage requirements will change over time as the network grows. It is recommended to use more than the minimum requirements to run a robust full node.

## Methods to Run an Avail Node

There are three primary methods to run an Avail node, each with its own set of instructions:

1. Using Binaries:
2. You can follow the instructions provided in the next page for setting up an Avail node using binary releases.
3. This method is suitable for users who prefer manual installation and configuration.
4. For reference, you can also explore the [GitHub Releases\(opens in a new tab\)](#)
5. page for
6. a list of binary releases.
7. Building from source:
8. The Avail node is based on open-sourced code. Feel free to [clone the repo\(opens in a new tab\)](#)
9. and build it locally.
10. Using Docker:
11. If you have docker engine installed on your machine, you can use it to run
12. [a pre-built docker image for the Avail node\(opens in a new tab\)](#)
13. .

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