Install celestia-node

Installing from source

This section goes over building and installing celestia-node. This tutorial assumes you completed the steps in setting up your development environment .

Install the celestia-node binary by running the following commands:

1. Remove any existing copy of celestia-node, clone the repository, and change into the directory:
2. bash
3. cd
4. HOME
5. rm
6. -rf
7. celestia-node
8. git
9. clone
10. https://github.com/celestiaorg/celestia-node.git
11. cd
12. celestia-node/
13. cd
14. HOME
15. rm
16. -rf
17. celestia-node
18. git
19. clone
20. https://github.com/celestiaorg/celestia-node.git
21. cd
22. celestia-node/
23. Check out to the desired version, based on the network you will use:
24. Mainnet Beta
25. Mocha
26. Arabica
27. bash
28. git
29. checkout
30. tags/v0.20.4
31. git
32. checkout
33. tags/v0.20.4
34. bash
35. git
36. checkout
37. tags/v0.21.3-mocha
38. git
39. checkout
40. tags/v0.21.3-mocha
41. bash
42. git
43. checkout
44. tags/v0.21.3-arabica
45. git
46. checkout
47. tags/v0.21.3-arabica
48. Build thecelestia
49. binary:
50. a. Standard build
51. bash
52. make
53. build
54. make
55. build
56. b. Experimental build
57. OPTIONAL
58. If you're a node operator comfortable with experimental features and seeking optimal performance with minimal RAM

usage, this option is recommended for you.
59. bash
60. make
61. build-jemalloc
62. make
63. build-jemalloc
64. This build option enables CGO, and downloads and installs jemalloc
65. .Learn more about the build command
66. .
67. Install the binary:
68. bash
69. make
70. install
71. make
72. install
73. Build thecel-key
74. utility:
75. bash
76. make
77. cel-key
78. make
79. cel-key
80. Verify that the binary is working and check the version:
81. bash
82. celestia
83. version
84. celestia
85. version

The output will show the semantic version of celestia-node, commit hash, build date, system version, and Golang version.

Installing a pre-built binary

Installing a pre-built binary is the fastest way to get started with your Celestia data availability node. Releases after celestia-node v0.13.3 have these binaries available.

The installation script will download a binary file namedcelestia . Depending on your chosen installation option, thecelestia binary will be available at one of these locations:

- GOPATH/bin/celestia
- (if Go is installed)
- /usr/local/bin/celestia
- HOME/celestia-node-temp/celestia

Pre-built binaries are available for:

- Operating systems: Darwin (Apple), Linux
- Architectures: x86_64 (amd64), arm64

Installation Options

You can install the latest version or specify a particular version:

bash

Install latest version

bash

-c

"(curl

-sL https://docs.celestia.org/celestia-node.sh)"

Install specific version, Mainnet Beta in this example

bash

-c

"(curl

-sL https://docs.celestia.org/celestia-node.sh)"

--

-v

v0.20.4

Install latest version

bash

-c

"(curl

-sL https://docs.celestia.org/celestia-node.sh)"

Install specific version, Mainnet Beta in this example

bash

-c

"(curl

-sL https://docs.celestia.org/celestia-node.sh)"

--

-v

v0.20.4 The script will:

1. Detect your system's operating system and architecture
2. Download the appropriate binary
3. Verify the checksum for security
4. Provide installation location options based on your environment: *If Go is installed:* Go bin directory (GOPATH/bin
5.
    -
        -)
6.
    -
        - System bin directory (/usr/local/bin
7.
    -
        -)
8.
    -
        - Keep in current directory
9.
    - If Go is not installed:* System bin directory (/usr/local/bin
10.
    -
        -)
11.
    -
        - Keep in current directory

Follow the instructions in the terminal output to choose your installation preferences. After installation, you can verify the setup by checking the version:

bash celestia

version && celestia

--help celestia

version && celestia

--help View the script to learn more about what it is doing.

Note : The script maintains a log file at HOME/celestia-node-temp/logfile.log for troubleshooting purposes.

Next steps

First, we recommend reading the overview of our node types, if you haven't yet.

Now that you've installed Celestia Node, it's time to pick your node type and run your node!

If you're planning to run a light node, we recommend the node RPC CLI tutorial .

Upgrading your binary

To upgrade your binary, you can install the latest version from the instructions above and restart your node. If you run into any issues, Refer to the troubleshooting section . [][Edit this page on GitHub] Last updated: Previous page Setting up environment Next page Install celestia-app []