

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/v0.17.2
31. git
32. checkout
33. tags/v0.17.2
34. bash
35. git
36. checkout
37. tags/v0.18.3-mocha
38. git
39. checkout
40. tags/v0.18.3-mocha
41. bash
42. git
43. checkout
44. tags/v0.20.0-arabica
45. git
46. checkout
47. tags/v0.20.0-arabica
48. Build the celestia
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 named `celestia`. Depending on your chosen installation option, the `celestia` 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
v0.17.2
```

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
v0.17.2 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](#) []