

Install celestia-app

This tutorial will guide you through installing celestia-app, both [from source](#) and with [a pre-built binary](#)

Building binary from source

This section of the tutorial presumes you completed the steps in [setting up your own environment](#).

The steps below will create a binary file named `celestia-appd` inside `HOME/go/bin` folder which will be used later to run the node. Be sure to select the correct network to install the binary for.

1. Remove any existing copy of celestia-app, clone the repository, and change into the directory:
2. `bash`
3. `cd`
4. `HOME`
5. `rm`
6. `-rf`
7. `celestia-app`
8. `git`
9. `clone`
10. `https://github.com/celestiaorg/celestia-app.git`
11. `cd`
12. `celestia-app`
13. `cd`
14. `HOME`
15. `rm`
16. `-rf`
17. `celestia-app`
18. `git`
19. `clone`
20. `https://github.com/celestiaorg/celestia-app.git`
21. `cd`
22. `celestia-app`
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/v1.6.0`
31. `-b`
32. `v1.6.0`
33. `git`
34. `checkout`
35. `tags/v1.6.0`
36. `-b`
37. `v1.6.0`
38. `bash`
39. `git`
40. `checkout`
41. `tags/v1.6.0`
42. `-b`
43. `v1.6.0`
44. `git`
45. `checkout`
46. `tags/v1.6.0`
47. `-b`
48. `v1.6.0`
49. `bash`
50. `git`
51. `checkout`
52. `tags/v1.7.0`
53. `-b`
54. `v1.7.0`
55. `git`
56. `checkout`

```

57. tags/v1.7.0
58. -b
59. v1.7.0
60. Build and install thecelestia-appd
61. binary:
62. bash
63. make
64. install
65. make
66. install
67. To check if the binary was successfully installed you can run the binary using the--help
68. flag:
69. sh
70. celestia-appd
71. --help
72. celestia-appd
73. --help

```

You will see an output with the menu forcelestia-appd . Learn more on the [helpful CLI commands page](#)

Installing a pre-built binary

Installing a pre-built binary is the fastest way to get started with your Celestia consensus node. Releases after celestia-app v1.3.0 should have these binaries available.

The steps below will download a binary file namedcelestia-appd . Depending on the setup that you choose during installation, thecelestia-appd binary will be available at either:

- HOME/celestia-temp/celestia-appd
- /usr/local/bin/celestia-appd

Pre-built binaries are available for:

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

To install the latest pre-built binary you can run this command in your terminal:

```

bash bash
-c
"( curl
-sL https://docs.celestia.org/celestia-app.sh)" bash
-c
"( curl
-sL https://docs.celestia.org/celestia-app.sh)" Follow the instructions in the terminal output to choose your installation
preferences.

```

You will see an output with the menu forcelestia-appd . Learn more on the [helpful CLI commands page](#)

View[the script](#) to learn more about what it is doing.

Ports

When interacting with a consensus node, you may need to open ports on your machine to allow communication between nodes, such as bridge nodes. It is essential that specific ports are accessible. Make sure that your firewall allows connections to the correct ports.

If you run a node on a cloud server, make sure that the ports are open on the server's firewall. If you run a node at home, make sure that your router allows connections to the correct ports.

For example, validator ports 9090 and 26657 need to be accessible by the bridge, and port 2121 is required for P2P connections for all node types.

The following ports are used by Celestia app nodes:

Port Protocol Address Description Enabled by default on node Flag 2121 TCP/UDP localhost P2P true N/A 9090 HTTP
0.0.0.0 gRPC true --grpc.address string 26657 TCP localhost RPC false (only open to localhost) --rpc.laddr string []
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