

Running a celestia RPC Node

Requirements

Recommended Specifications

CPU: 4+ cores RAM: 8 GB+ Disk 1 TB Connection Speed: 25+ mbps/sec

Setup celestia consensus and DA node

Follow celestia docs for instructions on how to setup and run the nodes: Data availability light node <https://docs.celestia.org/nodes/light-node> Consensus node <https://docs.celestia.org/nodes/full-consensus-node>

Important note: When running the light DA node we need to make sure to do one of the following:

- disable authentication with the flag `--rpc.skip-auth` to let provider use the node without authentication
- example:

`celestia light start --core.ip public-celestia-mocha4-consensus.numia.xyz --p2p.network celestia --rpc.skip-auth * configure the provider process to use the authentication token`

`export`

CELESTIA_NODE_AUTH_TOKEN

`(celestia light auth admin --p2p.network celestia)`

Setup your Provider on Lava Network

To set up your provider on the Lava Network, you can refer to the [provider setup documentation](#) available elsewhere in our docs. This should provide you with the necessary information to configure and operate your provider node.

Celestia providers must supply endpoint for both consensus and DA node:

- consensus node: rest, tendermint, grpc (this is the same as every other cosmos node)
- DA node: jsonrpc (when running the light DA node the default port will be 26658)

example for provider configuration file (use the "auth-config:" configuration only if you choose to configure the token)

endpoints : -

api-interface : jsonrpc chain-id : CELESTIA network-address : address : 0.0.0.0 : 2221 node-urls : -

url : http : //127.0.0.1 : 26658 auth-config : auth-headers : Authorization : Bearer { CELESTIA_NODE_AUTH_TOKEN } -

api-interface : tendermintgrpc chain-id : CELESTIA network-address : address : 0.0.0.0 : 2221 node-urls : -

url : ws : //127.0.0.1 : 26657/websocket -

url : http : //127.0.0.1 : 26657 -

api-interface : grpc chain-id : CELESTIA network-address : address : 0.0.0.0 : 2221 node-urls : -

url : 127.0.0.1 : 9090 -

api-interface : rest chain-id : CELESTIA network-address : address : 0.0.0.0 : 2221 node-urls : -

url : http : //127.0.0.1 : 1317 [Edit this page](#) [Previous celestia x Lava Next Developers](#)