Mocha testnet

This guide contains the relevant sections for how to connect to Mocha, depending on the type of node you are running. Mocha testnet is designed to help validators test out their infrastructure and node software. Developers are encouraged to deploy their sovereign rollups on Mocha, but we also recommendArabica devnet for that as it is designed for development purposes.

Mocha is a milestone in Celestia, allowing everyone to test out core functionalities on the network. Readthe announcement . Your best approach to participating is to first determine which node you would like to run. Each node's guide will link to the relevant networks, to show you how to connect to them.

You have a list of options on the types of nodes you can run to participate in Mocha:

Consensus:

- Consensus node
- Validator node

Data Availability:

- Bridge node
- Full storage node
- Light node

Select the type of node you would like to run and follow the instructions on each respective page. Whenever you are asked to select the type of network you want to connect to in those guides, selectMocha to refer to the correct instructions on this page on how to connect to Mocha.

Network details

Detail Value Chain ID mocha-4 Genesis hash B93BBE20A0FBFDF955811B6420F8433904664D45DB4BF51022BE4200C1A1680D Genesis file https://github.com/celestiaorg/networks/blob/master/mocha-4/genesis.json Peers file https://github.com/celestiaorg/networks/blob/master/mocha-4/peers.txt Validators 100

Software version numbers

Software Version celestia-node v0.18.3-mocha celestia-app v2.3.1-mocha

RPC for DA bridge, full, and light nodes

Production RPC endpoints

These RPC providers are meant to be used in production environments.

Provider URL NewMetric https://app.newmetric.xyz/start Numia For RPC access:https://docs.numia.xyz/overview/rpc-api-access Numia For data warehouse access:https://docs.numia.xyz/overview/sql-access/chains/celestia Grove https://www.grove.city/ WARNING

Do not rely on the free community endpoints listed below for production deployments. Production deployments should rely onservice providers with SLAs or your own node.

Community Data availability (DA) RPC endpoints for bridge node sync

These RPC endpoints allow bridge nodes to sync blocks from the Celestia network. For users, they will need to provide a–core.ip string from a consensus node's URL or IP that populates a default RPC port at 26657 to their respective DA node.

Community Data availability (DA) gRPC endpoints for state access

These gRPC endpoints for DA nodes provide state access for querying the chain's state and broadcasting transactions (balances, blobs, etc.) to the Celestia network. For users, they will need to provide a–core.ip string from a consensus node's URL or IP that populates a default gRPC port at 9090 to their respective DA node.

Bridge nodes

Mentioned below RPC endpoints do not guarantee you the download of full blocks from them. We advise that if you are running a bridge node, that you also run a localconsensus node in order to download full blocks from it. * public-celestia-

mocha4-consensus.numia.xyz * mocha-4-consensus.mesa.newmetric.xyz * full.consensus.mocha-4.celestia-mocha.com * consensus-full-mocha-4.celestia-mocha.com * rpc-mocha.pops.one * celestia-testnet-consensus.itrocket.net * * RPC port: 26657 * * gRPC port: 9090 * rpc-celestia-testnet.cryptech.com.ua * * gRPC: grpc-celestia-testnet.cryptech.com.ua:443

Community RPC endpoints

The RPC endpoint is to allow users to interact with Celestia's nodes by querying the node's state and broadcasting transactions on the Celestia network. The default port is 26657.

- public-celestia-mocha4-consensus.numia.xyz:26657
- mocha-4-consensus.mesa.newmetric.xyz:26657
- rpc.celestia-mocha.com
- celestia-testnet.brightlystake.com
- rpc-celestia-mocha.trusted-point.com
- rpc-celestia-testnet-01.stakeflow.io
- mocha.celestia.rpc.cumulo.me
- rpc-mocha-full.avril14th.org
- rpc-1.testnet.celestia.nodes.guru
- rpc-2.testnet.celestia.nodes.guru
- celestia-testnet-rpc.itrocket.net:443
- rpc-celestia-testnet.cryptech.com.ua:443

Community API endpoints

The API endpoint is to allow users to interact with the REST API in Cosmos SDK which is implemented using gRPC-gateway, which exposes gRPC endpoints as REST endpoints. This allows for communication with the node using REST calls, which can be useful if the client does not support gRPC or HTTP2. The default port is 1317.

- https://api-mocha.pops.one
- https://api.celestia-mocha.com/
- https://celestia-testnet.brightlystake.com/api
- https://api-celestia-mocha.trusted-point.com
- https://api-celestia-testnet-01.stakeflow.io/
- https://mocha.api.cumulo.me/
- https://api-mocha-full.avril14th.org
- https://api-1.testnet.celestia.nodes.guru
- https://api-2.testnet.celestia.nodes.guru
- https://celestia-testnet-api.itrocket.net
- https://api-celestia-testnet.cryptech.com.ua

Community gRPC endpoints

The gRPC endpoint is to allow users to interact with a Celestia Node using gRPC, a modern open-source and high-performance RPC framework. The default port is 9090. In the Cosmos SDK, gRPC is used to define state queries and broadcast transactions.

- public-celestia-mocha4-consensus.numia.xyz:9090
- mocha-4-consensus.mesa.newmetric.xyz:9090
- grpc-mocha.pops.one
- grpc.celestia-mocha.com:443
- full.consensus.mocha-4.celestia-mocha.com:9090
- consensus-full-mocha-4.celestia-mocha.com:9090
- celestia-testnet.brightlystake.com:9390
- grpc-celestia-mocha.trusted-point.com:9099
- grpc-celestia-testnet-01.stakeflow.io:16002
- mocha.grpc.cumulo.me:443
- grpc-mocha-full.avril14th.org
- grpc-1.testnet.celestia.nodes.guru:10790
- grpc-2.testnet.celestia.nodes.guru:10790
- celestia-testnet-grpc.itrocket.net:443
- grpc-celestia-testnet.cryptech.com.ua:443

Community bridge and full node endpoints

The endpoints below are for bridge and full nodes only. They can be used to find bootstrapper peers in the p2p network.

Bridge node 1:

- da-bridge-mocha-4.celestia-mocha.com
- bridge-mocha-4.da.celestia-mocha.com

Bridge node 2:

- da-bridge-mocha-4-2.celestia-mocha.com
- bridge-mocha-4-2.da.celestia-mocha.com

Full node 1:

- da-full-1-mocha-4.celestia-mocha.com
- full-1-mocha-4.da.celestia-mocha.com

Full node 2:

- da-full-2-mocha-4.celestia-mocha.com
- full-2-mocha-4.da.celestia-mocha.com

Mocha testnet faucet

WARNING

USING THIS FAUCET DOES NOT ENTITLE YOU TO ANY AIRDROP OR OTHER DISTRIBUTION OF MAINNET CELESTIA TOKENS. THERE ARE NO PUBLIC SALES OF ANY MAINNET CELESTIA TOKENS. You can request from Mocha testnet Faucet on the #mocha-faucet channel on Celestia's Discord server with the following command:

text request request Where is acelestia1** generated address.

NOTE

Faucet has a limit of 10 tokens per week per address/Discord ID.

Analytics

The following websites provide analytics for Mocha Testnet:

- https://cosmoslist.co/testnet/celestia

Explorers

There are several explorers you can use for Mocha:

- https://testnet.mintscan.io/celestia-testnet
- https://celestiascan.com
- https://mocha.celenium.io
- https://explorer.nodestake.top/celestia-testnet/
- https://stakeflow.io/celestia-testnet
- https://testnet.celestia.explorers.guru
- https://testnet.itrocket.net/celestia
- https://explorers.cryptech.com.ua/Celestia-Testnet

Network upgrades

There are a few ways to stay informed about network upgrades on Mocha testnet:

- Telegramannouncement channel
- DiscordMocha announcements

See thenetwork upgrade process page to learn more about specific upgrades like theGinger network upgrade . [][Edit this page on GitHub] Last updated: Previous page Mainnet Beta Next page Arabica devnet []