Running a Full Node

Save your Chain ID indydxprotocold

config

Save thechain-id . This will make it so you do not have to manually pass in the chain-id flag for every CLI command.

dydxprotocold config

chain-id CHAIN_ID

Getting a Snapshot

Seesnapshot service .

Starting a Full Node

Find the seed node's ID and the IP address fromResources . Then, run the following command to start a non-validating full node.

For example,

dydxprotocold start

--p2p.seeds= "..."

--bridge-daemon-eth-rpc-endpoint= ""

--non-validating-full-node=true Note : if you want to disable gRPC on your full node, it is important to start the node with the--non-validating-full-node=true flag. Otherwise, the application will require that gRPC be enabled.

Staying up-to-date with the Latest State

Connecting to Healthy Peers

In order for the full node to have the latest state, it needs to connect to peers which have the latest state Use the following links to get a list of live peers which have the latest state

https://services.lavenderfive.com/mainnet/dydx#live-peers(opens in a new tab)

https://polkachu.com/live_peers/dydx(opens in a new tab)

Updatepersistent_peers in the config.toml file to include a randomly selected list of 5 peers from the list of live peers obtained using the links above

Snapshots

Snapshots contain a compressed copy of the chain data which allow the full node to bootstrap to a recent state in the blockchain. A list of snapshot services can be foundhere .

State sync (Alternative to snapshots)

State Sync enables a new node to join the network by obtaining a snapshot of the application state from a state sync node at a recent height. This eliminates the need to fetch and replay all historical blocks. A list of state sync services with instructions are listed below

https://polkachu.com/state_sync/dydx(opens in a new tab)

https://services.lavenderfive.com/mainnet/dydx/statesync(opens in a new tab)

https://autostake.com/networks/dydx/#state-sync(opens in a new tab)

Address Book

Theaddrbook.json file is used to store configuration details that help a node connect to other peers in the network more efficiently. This can be obtained from the one of the below services and needs to be stored in theconfig folder.

https://polkachu.com/addrbooks/dydx(opens in a new tab)

https://services.lavenderfive.com/mainnet/dydx#latest-addrbook(opens in a new tab)

https://autostake.com/networks/dydx/(opens in a new tab)

Pruning Settings

For optimal storage, use the following pruning setting in the app.toml file:

2 latest states will be kept; pruning at 10 block intervals.

pruning

"everything" If the full node is being used for historical queries, a custom strategy should be used to maintain more states. This will increase storage requirements.

Last updated onMay 30, 2024 How to set up a full node Running a Validator