Required Node Configs

These configurations must be applied for both full nodes and validators.

Note: failure to set up below configurations on a validator node may compromise chain functionality.

Node Configs

The dYdX Chain has important node configurations required for normal chain operation. This includes:

- Theconfig.toml
- file read by CometBFT* ([Full documentation(opens in a new tab)](#)
-
    -)
- Theapp.toml
- file read by CosmosSDK* ([Full documentation(opens in a new tab)](#)
-
    -)

config.toml

Consensus Configs

[consensus] timeout_commit = "500ms"

app.toml

Base Configuration

ReplaceNATIVE_TOKEN_DENOM at the end of the field with the correct value from[Network Constants](#)

Gas Prices

minimum-gas-prices = "0.025ibc/8E27BA2D5493AF5636760E354E46004562C46AB7EC0CC4C1CA14E9E20E2545B5,12500000000NATIVE_TOKEN_DENOM"

Pruning

pruning = "custom"

Small numbers >= "2" for validator nodes.

Larger numbers could be used for full-nodes if they are used for historical queries.

pruning-keep-recent = "7"

Any prime number between "13" and "97", inclusive.

pruning-interval = "17"

gRPC Configs

[grpc]

Enable grpc. The Cosmos gRPC service is used by various daemon processes,

and must be enabled in order for the protocol to operate:

enable = true

Non-standard gRPC ports are not supported at this time. Please

run on port 9090, which is the default

port specified in the config file.

Note: grpc can be also be configured via start flags. Be careful not to change the default settings

with either of the following flags: --grpc.enable, --grpc.address.

address = "0.0.0.0:9090" Last updated onMay 30, 2024[Hardware Requirements](#) [How to set up a full node](#)