# #

Join The Mainnet

TIP

Requirements: install iris

#

Run a Full Node

#

Start node from genesis

TIP

We recommend running a full node via state sync (see the next subsection). But if you want to start from genesis, you must use irishubv1.0.1open in new windowto initialize your node.

initialize node configurations

iris init< moniker> --chain-id= irishub-1# download mainnet public config.toml and genesis.json curl -o ~/.iris/config/config.toml https://raw.githubusercontent.com/irisnet/mainnet/master/config/config.tomlcurl -o ~/.iris/config/genesis.json https://raw.githubusercontent.com/irisnet/mainnet/master/config/genesis.json# start the node (you can also use "nohup" or "systemd" to run in the background) iris start Next, your node will process all chain upgrades. Between each upgrade, you must use the specified version to catch up with the block. Don't worry about using the old version at the upgrade height, the node will be halted automatically.

Proposal Start height Upgrade height irishub version genesis 9146456 9593205v1.0.1open in new window#1open in new window 9593206

v1.1.0open in new window ,v1.1.1open in new window#8open in new window 12393048 12534300 v1.2.0open in new window ,v1.2.1open in new window#11open in new window 14166918 14301916 v1.3.0open in new window#19open in new window

17685953 v1.4.1open in new window#39open in new window

19514010 v2.0.0open in new window TIP

You may see some connection errors, it does not matter, the P2P network is trying to find available connections

Try to add some of theCommunity Peersopen in new windowtopersistent_peers in the config.toml

If you want to quickly start the node and join IRIS Hub without historical data, you can consider using thestate_sync function.

#

Quick Start via State Sync

To quickly get started, node operators can choose to sync via State Sync. State Sync works by replaying larger chunks of application state directly rather than replaying individual blocks or consensus rounds.

The newest state sync configs can be foundhereopen in new window .Please remember to modify state sync configs.

Build iris binary and initialize chain

iris init< moniker> --chain-id= irishub-1# Configure State sync [statesync] enable = true rpc_servers= "http://34.82.96.8:26657,http://34.77.68.145:26657" trust_height= 19511000 trust_hash= "65cbc3a14f81d07ff2367202af1bd1a9c958800e643aedfc80518ec642e89eb8" trust_period= "168h"

2/3 of unbonding time

Start Iris

iris start --x-crisis-skip-assert-invariants

#

Upgrade to Validator Node

#

Create a Wallet

You cancreate a new wallet orimport an existing one , then get some IRIS from the exchanges or anywhere else into the wallet you just created, .e.g.

create a new wallet

iris keysadd < key-name> WARNING

Important

write the seed phrase in a safe place! It is the only way to recover your account if you ever forget your password.

#

Confirm your node has caught-up

if you have not installed jq

apt-get update && apt-get install -y jq

if the output is false, means your node has caught-up

iris status| jq .sync_info.catching_up

#

Create Validator

Only if your node has caught-up, you can run the following command to upgrade your node to be a validator.

iris tx staking create-validator\ --pubkey = (iris tendermint show-validator) \ --moniker = < your-validator-name> \ --amount = < amount-to-be-delegated, e.g. 10000iris> \ --min-self-delegation= 1 \ --commission-max-change-rate= 0.1 \ --commission-max-rate= 0.1 \ --commission-rate= 0.1 \ --gas = 100000 \ --fees = 0 .6iris\ --chain-id= irishub-1\ --from = < key-name> WARNING

Important

Backup theconfig directory located in your iris home (default ~/.iris/) carefully! It is the only way to recover your validator. If there are no errors, then your node is now a validator or candidate (depending on whether your delegation amount is in the top 100)

Read more:

- Concepts* General Concepts
-
    - Validator FAQ
- Validator Security* Sentry Nodes (DDOS Protection)
-
    - Key Management

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Faucet

Request IRISnet mainnet tokens from the Faucet powered by Stakely.

For the usage, please refer to the guideline on the Faucet page: https://stakely.io/faucet/irisnet-iris