

Becoming a Testnet Validator

How to become a validator on Secret Network

1. [Run a Full Node](#)

In order to become a validator, your node must be fully synced with the network. You can check this by doing:

...

```
Copy secretstatus|jq.SyncInfo.catching_up
```

...

When the value of `catching_up` is `false`, your node is fully sync'd with the network. You can speed up syncing time by [State Syncing](#) to the current block.

...

```
Copy "sync_info":{
"latest_block_hash":"7BF95EED4EB50073F28CF833119FDB8C7DFE0562F611DF194CF4123A9C1F4640",
"latest_app_hash":"7C0C89EC4E903BAC730D9B3BB369D870371C6B7EAD0CCB5080B5F9D3782E3559",
"latest_block_height":"668538", "latest_block_time":"2020-10-31T17:50:56.800119764Z",
"earliest_block_hash":"E7CAD87A4FDC47DFDE3D4E7C24D80D4C95517E8A6526E2D4BB4D6BC095404113",
"earliest_app_hash":"","earliest_block_height":"1", "earliest_block_time":"2021-09-15T14:02:31Z", "catching_up":false },
```

...

1. Confirm Wallet is Funded:

This is the secret wallet which you used **** to create your full node, and will use to delegate your funds to your own validator. You must delegate at least 1 SCRT (1000000uscrt) from this wallet to your validator.

...

```
Copy secretdqbankbalances(secretdkeyssh-a)
```

...

If you get the following message, it means that you have no tokens, or your node is not yet synced:

...

```
Copy ERROR:unknownaddress:accountsecret1xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxdoesnotexist
```

...

Copy/paste the address to get some test-SCRT from [the faucet](#). Continue when you have confirmed your account has some test-SCRT in it.

1. Create Validator

(remember 1 SCRT = 1,000,000 uSCRT, and so the command below stakes 100 SCRT).

...

```
Copy secretmtxstakingcreate-validator\ --amount=100000000uscrt\ --pubkey=(secretdtendermintshow-validator)\ --identity=
{KEYBASE_IDENTITY}\ --details="To infinity and beyond!" --commission-rate="0.10" --commission-max-rate="0.20" --
commission-max-change-rate="0.01" --min-self-delegation="1" --moniker=\ --from=
```

...

1. Confirm Validator is Created

You should see your moniker listed.

...

```
Copy secretdqstakingvalidators|grepmoniker
```

...

Important CLI Commands for Validators

Staking more tokens

(remember 1 SCRT = 1,000,000 uSCRT)

In order to stake more tokens beyond those in the initial transaction, run:

...

Copy secretcli tx staking delegate (secretcli keys show --bech=val -a) uscrd --from

...

Editing your Validator

...

Copy secretcli tx staking edit-validator \ --moniker " \ --website "https://scrt.network" \ --identity 6A0D65E29A4CBC8E \ --details "To infinity and beyond!" \ --chain-id \ --from \ --commission-rate "0.10"

...

Seeing your rewards from being a validator

...

Copy secretcli q distribution rewards (secretcli keys show -a)

...

Seeing your commissions from your delegators

...

Copy secretcli q distribution commission (secretcli keys show -a --bech=val)

...

Withdrawing rewards

...

Copy secretcli tx distribution withdraw-rewards (secretcli keys show --bech=val -a) --from

...

Withdrawing rewards+commissions

...

Copy secretcli tx distribution withdraw-rewards (secretcli keys show --bech=val -a) --from --commission

...

Removing your validator

Currently deleting a validator is not possible. If you redelegate or unbond your self-delegations then your validator will become offline and all your delegators will start to unbond.

Changing your validator's commission-rate

You are currently unable to modify the --commission-max-rate and --commission-max-change-rate parameters.

Modifying the commission-rate can be done using this:

...

Copy secretcli tx staking edit-validator --commission-rate="0.05" --from

...

Slashing

Unjailing

To unjail your jailed validator

...

Copy secretcli tx slashing unjail --from

...

Signing Info

To retrieve a validator's signing info:

...

Copy secretcli q slashing signing-info

...

Query Parameters

You can get the current slashing parameters via:

...

Copy secretcli q slashing params

...

Query Parameters

You can get the current slashing parameters via:

...

Copy secretcli q slashing params

...

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