

#

Staking

Staking module provides a set of subcommands to query staking state and send staking transactions.

#

Available Commands

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#

iris query staking validator

#

Query a validator by validator address

iris query staking validator< iva.. .>

#

iris query staking validators

#

Query all validators

iris query staking validators

#

iris query staking delegation

Query a delegation based on delegator address and validator address.

iris query staking delegation[delegator-addr] [validator-addr]

#

Query a delegation

iris query staking delegation< iaa.. .> < iva.. .> Example Output:

Delegation: Delegator: iaa13lcwnxpyn2ea3skzmek64vvnp97jsk8qrcezhvm Validator:
iva15grv3xg3ekxh9xrf79zd0w077krv5xfzzunhs Shares:1.00000000000000000000000000000000 Height:26

#

iris query staking delegations

Query all delegations delegated from one delegator.

iris query staking delegations[delegator-address] [flags]

#

Query all delegations of a delegator

iris query staking delegations< iaa.. .>

#

iris query staking delegations-to

Query all delegations to one validator.

iris query staking delegations-to[validator-address] [flags]

#

Query all delegations to one validator

iris query staking delegations-to< iva.. .> Example Output:

Delegation: Delegator: iaa13lcwnxpyn2ea3skzmek64vvnp97jsk8qrcezvm Validator: iva1yclscskdtqu9rgufgws293wpx3njsesxxlnhnmh Shares:100.000000000000000000000000000000 Height:0 Delegation: Delegator: iaa1td4xnefkthfs6jg469x33shzf578fed6n7k7ua Validator: iva1yclscskdtqu9rgufgws293wpx3njsesxxlnhnmh Shares:1.00000000000000000000000000000000 Height:26

#

iris query staking unbonding-delegation

Query an unbonding-delegation record based on delegator and validator address.

iris query staking unbonding-delegation[delegator-addr] [validator-addr] [flags]

#

Query an unbonding delegation record

iris query staking unbonding-delegation< iaa.. .> < iva.. .>

#

iris query staking unbonding-delegations

#

Query all unbonding delegations records of a delegator

iris query staking unbonding-delegations< iaa.. .>

#

iris query staking unbonding-delegations-from

#

Query all unbonding delegations from a validator

iris query staking unbonding-delegations-from< iva.. .>

#

iris query staking redelegations-from

Query all outgoing redelegations of a validator

iris query staking redelegations-from[validator-address] [flags]

#

Query all outgoing redelegations of a validator

iris query staking redelegations-from< iva.. .>

#

iris query staking redelegation

Query a redelegation record based on delegator and source validator address and destination validator address.

iris query staking redelegation[delegator-addr] [src-validator-addr] [dst-validator-addr] [flags]

#

Query a redelegation record

iris query staking redelegation< iaa.. .> < iva.. .> < iva.. .>

#

iris query staking redelegations

#

Query all redelegations records of a delegator

iris query staking redelegations< iaa.. .>

#

iris query staking pool

#

Query the current staking pool values

iris query staking pool Example Output:

Pool: Loose Tokens:1409493892.759816067399143966 Bonded Tokens:590526409.65743521209068061 Token
Supply:2000020302.417251279489824576 Bonded Ratio:0.2952602076

#

iris query staking params

#

Query the current staking parameters information

iris query staking params

#

iris query staking historical-info

#

Query historical info at given height

iris query staking historical-info< height>

#

iris tx staking create-validator

Send a transaction to apply to be a validator and delegate a certain amount of iris to it.

iris tx staking create-validator[flags] Flags:

Name, shorthand type Required Default Description --amount string Yes

Amount of coins to bond --commission-rate float Yes 0.0 The initial commission rate percentage --commission-max-rate float

0.0 The maximum commission rate percentage --commission-max-change-rate float

0.0 The maximum commission change rate percentage (per day) --min-self-delegation string

The minimum self delegation required on the validator --details string

Optional details --genesis-format bool

false Export the transaction in gen-tx format; it implies --generate-only --identity string

Optional identity signature (ex. UPort or Keybase) --ip string

Node's public IP. It takes effect only when used in combination with --node-id string

The node's ID --moniker string Yes

Validator name --pubkey string Yes

Go-Amino encoded hex PubKey of the validator. For Ed25519 the go-amino prepend hex is 1624de6220 --website string

Optional website --security-contact string

The validator's (optional) security contact email

#

Create a validator

iris tx staking create-validator --chain-id= irishub--from = < key-name> --fees = 0 .3iris--pubkey = < validator-pubKey> --commission-rate= 0.1 --amount = 100iris--moniker = < validator-name> TIP

Follow the[Mainnet](#) instructions to learn more.

#

iris tx staking edit-validator

Edit an existing validator's settings, such as commission rate, name, etc.

iris tx staking edit-validator[flags] Flags:

Name, shorthand type Required Default Description --commission-rate float

0.0 Commission rate percentage --moniker string

Validator name --identity string

Optional identity signature (ex. UPort or Keybase) --website string

Optional website --details string

Optional details --security-contact string

The validator's (optional) security contact email --min-self-delegation string

The minimum self delegation required on the validator

#

Edit validator information

iris tx staking edit-validator--from

< key-name> --chain-id= irishub--fees = 0 .3iris --commission-rate= 0.10 --moniker = < validator-name>

#

Upload validator avatar

Please refer to [How to upload my validator's logo to the Explorers](#)

#

iris tx staking delegate

Delegate tokens to a validator.

iris tx staking delegate[validator-addr] [amount] [flags] iris tx staking delegate< iva.. .> < amount> --chain-id= irishub--from = < key-name> --fees = 0 .3iris

#

iris tx staking unbond

Unbond tokens from a validator.

iris tx staking unbond[validator-addr] [amount] [flags]

#

Unbond some tokens from a validator

iris tx staking unbond< iva.. .> 10iris--from = < key-name> --chain-id= irishub--fees = 0 .3iris

#

iris tx staking redelegate

Transfer delegation from one validator to another.

TIP

There is nounbonding time during the redelegation, so you will not miss the rewards. But you can only redelegate once per validator, until a period (=unbonding time) exceed. iris tx staking redelegate[src-validator-addr] [dst-validator-addr] [amount] [flags]

#

Redelegate some tokens to another validator

iris tx staking redelegate< iva.. .> < iva.. .> 10iris --chain-id= irishub--from = < key-name> --fees = 0 .3iris