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Gov Parameters

In IRIShub, there are some special parameters that can be modified through on-chain governance. All the IRIS holders may participate in the on-chain governance. If the community is not satisfied with certain modifiable parameters, it is available to submit a [parameter-change](#) proposal, and the params will be changed online automatically when the proposal passes.

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Parameters in Auth

key Description Range Current auth/MaxMemoCharacters Maximum number of characters in the memo field in a transaction (0, 18446744073709551615] 256 auth/TxSigLimit Maximum number of signatures per transaction (0, 18446744073709551615] 7 auth/TxSizeCostPerByte The amount of gas consumed per byte of the transaction (0, 18446744073709551615] 10 auth/SigVerifyCostED25519 Gas spent on edd2519 algorithm signature verification (0, 18446744073709551615] 590 auth/SigVerifyCostSecp256k1 Gas spent on secp256k1 algorithm signature verification (0, 18446744073709551615] 1000

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Parameters in Bank

key Description Range Current bank/SendEnabled Tokens that support transfer

[] bank/DefaultSendEnabled Whether to enable the transfer function by default {true,false} true Details in [Bank](#)

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Parameters in Coinswap

key Description Range Current coinswap/Fee Swap Fee (0,1) 0.003000000000000000 Details in [Coinswap](#)

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Parameters in Distribution

key Description Range Current distribution/communitytax Fees charged for withdrawal [0, 1] 0.02 distribution/baseproposerreward The base reward rate of the block proposer [0, 1] 0.01 distribution/bonusproposerreward Reward rate for block proposers [0, 1] 0.04 distribution/withdrawaddrenabled Whether to support setting the withdrawal address {true,false} true Details in [Distribution](#)

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Parameters in Gov

key Description Range Current gov/depositparams Related parameters of the deposit mortgage phase max_deposit_period: (0, 9223372036854775807] {"min_deposit": [{"denom": "uiris", "amount": "1000000000"}], "max_deposit_period": "86400s" } gov/votingparams Related parameters of the voting mortgage phase voting_period:(0, 9223372036854775807] {"voting_period": "432000s"} gov/tallyparams Related parameters of the voting tally phase quorum:[0,1] threshold:(0,1] veto_threshold:(0,1] {"quorum":"0.500000000000000000","threshold":"0.500000000000000000","veto_threshold":"0.330000000000000000"} Details in [Governance](#)

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Parameters in IBC

key Description Range Current ibc/AllowedClients Clients that support ibc

["06-solomachine","07-tendermint"] transfer/SendEnabled Whether to enable the transfer function {true,false} false transfer/ReceiveEnabled Whether to enable the receive function {true,false} false

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Parameters in Mint

key Description Range Current mint/Inflation Token issuance frequency [0, 0.2] 0.04 mint/MintDenom Denom of the token mintable

uiris Details in [Mint](#)

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Parameters in Service

key Description Range Current service/ArbitrationTimeLimit Maximum time of dispute resolution (0, 9223372036854775807] 120h0m0s service/ComplaintRetrospect Maximum time for submitting a dispute (0, 9223372036854775807] 360h0m0s service/MaxRequestTimeout Maximum number of blocks to wait for service invocation (0, 9223372036854775807] 100 service/MinDepositMultiple A multiple of the minimum deposit amount of service binding (0, 9223372036854775807] 1000 service/ServiceFeeTax Tax rate of service fee [0, 1] 0.05 service/SlashFraction Slash fraction [0, 1] 0.001 service/TxSizeLimit The limit of the service tx size (0, 18446744073709551615] 4000 service/MinDeposit Minimum deposit amount amount: (0, +∞) [{"denom": "uiris", "amount": "5000000000"}] service/BaseDenom Token denom that must be used for deposits

uiris Details in [Service](#)

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Parameters in Slashing

key Description Range Current slashing/DowntimeJailDuration Maximum downtime (continuous) (0, 9223372036854775807] 10m0s slashing/MinSignedPerWindow Minimum signature rate in each window [0, 1] 0.7 slashing/SignedBlocksWindow Sliding window for downtime slashing (0, 18446744073709551615] 34560 slashing/SlashFractionDoubleSign Penalty coefficient for double sign [0, 1] 0.01 slashing/SlashFractionDowntime Penalty coefficient for downtime [0, 1] 0.0003 Details in [Slashing](#)

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Parameters in Staking

key Description Range Current staking/UnbondingTime Mortgage redemption time (0, 9223372036854775807] 1814400s staking/MaxValidators Maximum number of validators (0, 4294967295] 100 staking/MaxEntries The maximum number of unbinding/redelegation orders in progress (0, 4294967295] 7 staking/BondDenom Bond denom

uiris staking/HistoricalEntries Historical entries [0, 4294967295] 10000 Details in [Staking](#)

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Parameters in Token

key Description Range Current token/TokenTaxRate Base rate for issuing/mint tokens [0, 1] 0.4 token/IssueTokenBaseFee Base token for issuing tokens amount: (0, +∞) [{"denom": "iris", "amount": "60000"}] token/MintTokenFeeRatio Rate for mint tokens [0, 1] 0.1 Details in [Token](#)