# Meta Data API

**MetaDataPublicApi**

**GET Server Time**

GET /api/v1/public/meta/getServerTime

Example Response

200 Response

Copy

{ "code": "SUCCESS", "data": { "timeMillis": "1734596189305" }, "msg": null, "errorParam": null, "requestTime": "1734596189305", "responseTime": "1734596189305", "traceId": "a69e6ec51701d7246cb344a719c99cbf"}

**Response Body**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "getservertime)

**GET Meta Data**

GET /api/v1/public/meta/getMetaData

Example Response

200 Response

Copy

{ "code": "SUCCESS", "data": { "global": { "appName": "edgeX", "appEnv": "testnet", "appOnlySignOn": "https://testnet.edgex.exchange", "feeAccountId": "123456", "feeAccountL2Key": "0x1e240", "poolAccountId": "542076087396467085", "poolAccountL2Key": "0x3bf794b4433e0a8b353da361bb7284c670914d27ed04698e6abed0bf1198028", "fastWithdrawAccountId": "542076087396467085", "fastWithdrawAccountL2Key": "0x3bf794b4433e0a8b353da361bb7284c670914d27ed04698e6abed0bf1198028", "fastWithdrawMaxAmount": "100000", "fastWithdrawRegistryAddress": "0xb2846943C2EdA3830Fb784d2a6de93435267b11D", "starkExChainId": "0xaa36a7", "starkExContractAddress": "0xa3Cb2622C532e46c4376FAd4AbFDf9eDC717BABf", "starkExCollateralCoin": { "coinId": "1000", "coinName": "USDT", "stepSize": "0.000001", "showStepSize": "0.0001", "iconUrl": "https://static.edgex.exchange/icons/coin/USDT.svg", "starkExAssetId": "0x33bda5c923bae4e84825b74762d5482889b9512465fbffc50d1ae4b82e345c3", "starkExResolution": "0xf4240" }, "starkExMaxFundingRate": 1120, "starkExOrdersTreeHeight": 64, "starkExPositionsTreeHeight": 64, "starkExFundingValidityPeriod": 604800, "starkExPriceValidityPeriod": 31536000, "maintenanceReason": "" }, "coinList": [ { "coinId": "1000", "coinName": "USDT", "stepSize": "0.000001", "showStepSize": "0.0001", "iconUrl": "https://static.edgex.exchange/icons/coin/USDT.svg", "starkExAssetId": "0x33bda5c923bae4e84825b74762d5482889b9512465fbffc50d1ae4b82e345c3", "starkExResolution": "0xf4240" }, { "coinId": "1001", "coinName": "BTC", "stepSize": "0.001", "showStepSize": "0.001", "iconUrl": "https://static.edgex.exchange/icons/coin/BTC.svg", "starkExAssetId": null, "starkExResolution": null } ], "contractList": [ { "contractId": "10000001", "contractName": "BTCUSDT", "baseCoinId": "1001", "quoteCoinId": "1000", "tickSize": "0.1", "stepSize": "0.001", "minOrderSize": "0.001", "maxOrderSize": "50.000", "maxOrderBuyPriceRatio": "0.05", "minOrderSellPriceRatio": "0.05", "maxPositionSize": "60.000", "riskTierList": [ { "tier": 1, "positionValueUpperBound": "50000", "maxLeverage": "100", "maintenanceMarginRate": "0.005", "starkExRisk": "21474837", "starkExUpperBound": "214748364800000000000" }, { "tier": 22, "positionValueUpperBound": "79228162514264337593543", "maxLeverage": "6", "maintenanceMarginRate": "0.105", "starkExRisk": "450971567", "starkExUpperBound": "340282366920938463463374607431768211455" } ], "defaultTakerFeeRate": "0.00055", "defaultMakerFeeRate": "0.0002", "defaultLeverage": "50", "liquidateFeeRate": "0.01", "enableTrade": true, "enableDisplay": true, "enableOpenPosition": true, "fundingInterestRate": "0.0003", "fundingImpactMarginNotional": "10", "fundingMaxRate": "0.000234", "fundingMinRate": "-0.000234", "fundingRateIntervalMin": "240", "displayDigitMerge": "0.1,0.5,1,2,5", "displayMaxLeverage": "50", "displayMinLeverage": "1", "displayNewIcon": false, "displayHotIcon": true, "matchServerName": "edgex-match-server", "starkExSyntheticAssetId": "0x425443322d31300000000000000000", "starkExResolution": "0x2540be400", "starkExOraclePriceQuorum": "0x1", "starkExOraclePriceSignedAssetId": [ "0x425443555344000000000000000000004d616b6572", "0x425443555344000000000000000000005374437277", "0x4254435553440000000000000000000053746f726b", "0x425443555344000000000000000000004465787472", "0x4254435553440000000000000000000053744b6169" ], "starkExOraclePriceSigner": [ "0x28253746dcd68a62df58cda44db2613ab11c8d17deb036feaec5ece1f8a16c1", "0x41dbe627aeab66504b837b3abd88ae2f58ba6d98ee7bbd7f226c4684d9e6225", "0xcc85afe4ca87f9628370c432c447e569a01dc96d160015c8039959db8521c4", "0x2af704df5467285c5d1bd7c08ee33c49057fb2a05ecdc4f949293190f28ce7e", "0x63f0f8507cc674ff668985a1ea854d3b73835a8181bfbb4564ae422bf68a2c0" ] }, { "contractId": "10000002", "contractName": "ETHUSDT", "baseCoinId": "1002", "quoteCoinId": "1000", "tickSize": "0.01", "stepSize": "0.01", "minOrderSize": "0.01", "maxOrderSize": "500.00", "maxOrderBuyPriceRatio": "0.05", "minOrderSellPriceRatio": "0.05", "maxPositionSize": "800.00", "riskTierList": [ { "tier": 1, "positionValueUpperBound": "50000", "maxLeverage": "100", "maintenanceMarginRate": "0.005", "starkExRisk": "21474837", "starkExUpperBound": "214748364800000000000" }, { "tier": 22, "positionValueUpperBound": "79228162514264337593543", "maxLeverage": "6", "maintenanceMarginRate": "0.105", "starkExRisk": "450971567", "starkExUpperBound": "340282366920938463463374607431768211455" } ], "defaultTakerFeeRate": "0.00055", "defaultMakerFeeRate": "0.0002", "defaultLeverage": "50", "liquidateFeeRate": "0.01", "enableTrade": true, "enableDisplay": true, "enableOpenPosition": true, "fundingInterestRate": "0.0003", "fundingImpactMarginNotional": "100", "fundingMaxRate": "0.000234", "fundingMinRate": "-0.000234", "fundingRateIntervalMin": "240", "displayDigitMerge": "0.01,0.02,0.04,0.1,0.2", "displayMaxLeverage": "50", "displayMinLeverage": "1", "displayNewIcon": true, "displayHotIcon": false, "matchServerName": "edgex-match-server", "starkExSyntheticAssetId": "0x4554482d3900000000000000000000", "starkExResolution": "0x3b9aca00", "starkExOraclePriceQuorum": "0x1", "starkExOraclePriceSignedAssetId": [ "0x455448555344000000000000000000004d616b6572", "0x455448555344000000000000000000005374437277", "0x4554485553440000000000000000000053746f726b", "0x455448555344000000000000000000004465787472", "0x4554485553440000000000000000000053744b6169" ], "starkExOraclePriceSigner": [ "0x28253746dcd68a62df58cda44db2613ab11c8d17deb036feaec5ece1f8a16c1", "0x41dbe627aeab66504b837b3abd88ae2f58ba6d98ee7bbd7f226c4684d9e6225", "0xcc85afe4ca87f9628370c432c447e569a01dc96d160015c8039959db8521c4", "0x2af704df5467285c5d1bd7c08ee33c49057fb2a05ecdc4f949293190f28ce7e", "0x63f0f8507cc674ff668985a1ea854d3b73835a8181bfbb4564ae422bf68a2c0" ] } ], "multiChain": { "coinId": "1000", "maxWithdraw": "100000", "minWithdraw": "0", "minDeposit": "10", "chainList": [ { "chain": "Sepolia - Testnet", "chainId": "11155111", "chainIconUrl": "https://static.edgex.exchange/icons/chain/sepolia.svg", "contractAddress": "0xC820e27D4821071129D4fB04CcD9ae8a370373bc", "depositGasFeeLess": false, "feeLess": false, "feeRate": "0.0001", "gasLess": false, "gasToken": "ETH", "minFee": "2", "rpcUrl": "https://rpc.edgex.exchange/RMZZpeTnB6hjfcm8xNNyo6cKa9Zn4qgB/eth-sepolia", "webTxUrl": "https://sepolia.etherscan.io/tx/", "withdrawGasFeeLess": false, "tokenList": [ { "tokenAddress": "0xd98B590ebE0a3eD8C144170bA4122D402182976f", "decimals": "6", "iconUrl": "https://static.edgex.exchange/icons/coin/USDT.svg", "token": "USDT", "pullOff": false, "withdrawEnable": true, "useFixedRate": false, "fixedRate": "" } ], "txConfirm": "10", "blockTime": "12", "allowAaDeposit": true, "allowAaWithdraw": false, "appRpcUrl": "https://rpc.edgex.exchange/GujYf2XWDvzXDpQdXno92DGRhfy7HuLK/eth-sepolia" }, { "chain": "BNB - Testnet", "chainId": "97", "chainIconUrl": "https://static.edgex.exchange/icons/chain/sepolia.svg", "contractAddress": "0xBe8dCAE2b5E58BdEe4695F7f366fF0A8B0A414D1", "depositGasFeeLess": false, "feeLess": false, "feeRate": "0.0001", "gasLess": false, "gasToken": "BSC", "minFee": "2", "rpcUrl": "https://rpc.edgex.exchange/RMZZpeTnB6hjfcm8xNNyo6cKa9Zn4qgB/bsc-testnet", "webTxUrl": "https://testnet.bscscan.com/tx/", "withdrawGasFeeLess": false, "tokenList": [ { "tokenAddress": "0xda6c748A7593826e410183F05893dbB363D025a1", "decimals": "6", "iconUrl": "https://static.edgex.exchange/icons/coin/USDT.svg", "token": "USDT", "pullOff": false, "withdrawEnable": true, "useFixedRate": false, "fixedRate": "" } ], "txConfirm": "10", "blockTime": "3", "allowAaDeposit": false, "allowAaWithdraw": false, "appRpcUrl": "https://rpc.edgex.exchange/GujYf2XWDvzXDpQdXno92DGRhfy7HuLK/bsc-testnet" }, { "chain": "Arbitrum - Testnet", "chainId": "421614", "chainIconUrl": "https://static.edgex.exchange/icons/chain/sepolia.svg", "contractAddress": "0xeeA926DB072E839063321776ddAdaddeECdF9718", "depositGasFeeLess": false, "feeLess": false, "feeRate": "0.0001", "gasLess": false, "gasToken": "ETH", "minFee": "2", "rpcUrl": "https://rpc.edgex.exchange/RMZZpeTnB6hjfcm8xNNyo6cKa9Zn4qgB/arbitrum-sepolia", "webTxUrl": "https://sepolia.arbiscan.io/tx/", "withdrawGasFeeLess": false, "tokenList": [ { "tokenAddress": "0x608babb39bb03C038b8DABc3D4bF4e0D02d455Cd", "decimals": "18", "iconUrl": "https://static.edgex.exchange/icons/coin/USDT.svg", "token": "USDT", "pullOff": false, "withdrawEnable": true, "useFixedRate": false, "fixedRate": "" } ], "txConfirm": "10", "blockTime": "3", "allowAaDeposit": true, "allowAaWithdraw": true, "appRpcUrl": "https://rpc.edgex.exchange/GujYf2XWDvzXDpQdXno92DGRhfy7HuLK/arbitrum-sepolia" } ] } }, "msg": null, "errorParam": null, "requestTime": "1734595526342", "responseTime": "1734595526343", "traceId": "1ee9b62c30925f0df6bd6c8604f32df4"}

**Response Body**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "MetadataResult)

**Data Models**

**MetadataResult**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, others for failure.

data

[MetaData](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemametadata)

false

none

Global metadata

errorParam

object

false

none

Parameter information in error message

requestTime

string(timestamp)

false

none

Server request receiving time

responseTime

string(timestamp)

false

none

Server response returning time

traceId

string

false

none

Call traceId

**schemametadata**

Name

Type

Required

Constraints

Description

global

[Global](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemaglobal)

false

none

Global meta information

coinList

[[Coin](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemacoin)]

false

none

All coin meta information

contractList

[[Contract](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemacontract)]

false

none

All contract meta information

multiChain

[MultiChain](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemamultichain)

false

none

Cross-chain withdrawal related class

**schemamultichain**

Name

Type

Required

Constraints

Description

coinId

string(int64)

false

none

Asset id for deposit and withdrawal

maxWithdraw

string

false

none

Maximum withdrawal amount

minWithdraw

string

false

none

Minimum withdrawal amount

minDeposit

string

false

none

Minimum deposit amount

chainList

[[Chain](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemachain)]

false

none

Supported chains

**schemachain**

Name

Type

Required

Constraints

Description

chain

string

false

none

Main chain name

chainId

string(int64)

false

none

chainId

chainIconUrl

string

false

none

Main chain icon url

contractAddress

string

false

none

Contract address

depositGasFeeLess

boolean

false

none

Whether to charge deposit fee

feeLess

boolean

false

none

Whether to exempt from fees

feeRate

string

false

none

Fee rate

gasLess

boolean

false

none

Whether to charge gas fee

gasToken

string

false

none

Main chain token name

minFee

string

false

none

Minimum withdrawal fee. If gas + value\*fee\_rate is less than min\_fee, it will be charged according to min\_fee

rpcUrl

string

false

none

Online node service of the chain

webTxUrl

string

false

none

Transaction tx link

withdrawGasFeeLess

boolean

false

none

Whether to charge withdrawal fee

tokenList

[[MultiChainToken](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemamultichaintoken)]

false

none

Collection of cross-chain related token information

txConfirm

string(int64)

false

none

Number of confirmations for on-chain deposit

blockTime

string

false

none

Block time

appRpcUrl

string

false

none

none

**schemamultichaintoken**

Name

Type

Required

Constraints

Description

tokenAddress

string

false

none

Token contract address

decimals

string(int64)

false

none

Token precision

iconUrl

string

false

none

Token icon url

token

string

false

none

Token name

pullOff

boolean

false

none

Whether to delist, default is false

withdrawEnable

boolean

false

none

Whether to support withdrawal of this type of asset

useFixedRate

boolean

false

none

Whether to use a fixed exchange rate

fixedRate

string

false

none

Fixed exchange rate

**schemacontract**

Name

Type

Required

Constraints

Description

contractId

string(int64)

false

none

Perpetual contract pair identifier

contractName

string

false

none

Perpetual contract pair name

baseCoinId

string(int64)

false

none

e.g., 10000001 (BTC)

quoteCoinId

string(int64)

false

none

e.g., 1001 (USD/USDT)

tickSize

string(decimal)

false

none

Minimum price increment (quoteCoinId)

stepSize

string(decimal)

false

none

Minimum quantity increment (baseCoinId)

minOrderSize

string(decimal)

false

none

Minimum order quantity (baseCoinId)

maxOrderSize

string(decimal)

false

none

Maximum order quantity (baseCoinId)

maxOrderBuyPriceRatio

string(decimal)

false

none

Maximum limit buy order price ratio (compared to oracle price), decimal (quote\_coin\_id)

minOrderSellPriceRatio

string(decimal)

false

none

Minimum limit sell order price ratio (compared to oracle price), decimal (quote\_coin\_id)

maxPositionSize

string(decimal)

false

none

Maximum position quantity (baseCoinId)

riskTierList

[[RiskTier](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemarisktier)]

false

none

List of risk limit tiers

defaultTakerFeeRate

string(decimal)

false

none

Default taker fee rate for the contract

defaultMakerFeeRate

string(decimal)

false

none

Default maker fee rate for the contract

defaultLeverage

string(decimal)

false

none

Initial default leverage multiplier when user has not set a trading leverage

liquidateFeeRate

string(decimal)

false

none

Liquidation fee rate

enableTrade

boolean

false

none

Whether trading is allowed. true: allowed, false: not allowed

enableDisplay

boolean

false

none

Whether to display. true: display, false: hide

enableOpenPosition

boolean

false

none

Whether opening positions is allowed. true: allowed to open and close, false: only allowed to close positions

fundingInterestRate

string(decimal)

false

none

Default value of overall interest rate, e.g., 0.0003

fundingImpactMarginNotional

string(decimal)

false

none

Quantity for calculating depth-weighted bid/ask price, e.g., 8000

fundingMaxRate

string(decimal)

false

none

Maximum funding rate, e.g., 0.000234

fundingMinRate

string(decimal)

false

none

Minimum funding rate, e.g., -0.000234

fundingRateIntervalMin

string(decimal)

false

none

Settlement interval of funding rate (in minutes, must be an integer multiple of 60 minutes, settlement starts from 00:00 UTC) decimal

displayDigitMerge

string(decimal)

false

none

Depth merge. e.g., "1,0.1,0.001"

displayMaxLeverage

string(decimal)

false

none

Maximum leverage multiplier to display, decimal. e.g., 20

displayMinLeverage

string(decimal)

false

none

Minimum leverage multiplier to display, decimal. e.g., 1

displayNewIcon

boolean

false

none

Whether it is a newly listed pair

displayHotIcon

boolean

false

none

Whether it is a hot pair

matchServerName

string

false

none

Matching service name, e.g., xxx-match-server-a. This value cannot be changed once configured, otherwise data migration is required.

starkExSyntheticAssetId

string(int64)

false

none

Synthetic asset id of the current pair, bigint for hex str.

starkExResolution

string(int64)

false

none

Processing precision of the quantity held by the current pair, bigint for hex str

starkExOraclePriceQuorum

string(int64)

false

none

Legal number of oracle prices, bigint for hex str

starkExOraclePriceSignedAssetId

[string]

false

none

bigint for hex str

starkExOraclePriceSigner

[string]

false

none

bigint for hex str

**schemarisktier**

Name

Type

Required

Constraints

Description

tier

integer(int32)

false

none

Tier, starting from 1

positionValueUpperBound

string(decimal)

false

none

Upper limit of position value for the tier (inclusive)

maxLeverage

string(decimal)

false

none

Maximum available leverage for the tier

maintenanceMarginRate

string(decimal)

false

none

Maintenance margin rate for the tier (only for display, the actual maintenance margin rate used is stark\_ex\_risk / 2^32 as an accurate maintenance margin rate), decimal

starkExRisk

string(int64)

false

none

1 ≤ risk < 2^32

starkExUpperBound

string(int64)

false

none

bigint. 0 ≤ upper\_bound ≤ 2^128-1

**schemacoin**

Name

Type

Required

Constraints

Description

coinId

string(int64)

false

none

Coin id

coinName

string

false

none

Coin name

stepSize

string(decimal)

false

none

Minimum quantity unit

showStepSize

string(decimal)

false

none

Minimum unit displayed to the user

iconUrl

string(url)

false

none

Coin icon url

starkExAssetId

string(int64)

false

none

starkex asset id. If empty, it means it does not exist

starkExResolution

string

false

none

starkex processing precision. If empty, it means it does not exist

**schemaglobal**

Name

Type

Required

Constraints

Description

appName

string

false

none

xxx

appEnv

string

false

none

dev/testnet/mainnet

appOnlySignOn

string

false

none

https://xxx.exchange

feeAccountId

string(int64)

false

none

Fee account id

feeAccountL2Key

string

false

none

Fee account l2Key, bigint for hex str

poolAccountId

string(int64)

false

none

Asset pool account id

poolAccountL2Key

string

false

none

Asset pool account l2Key, bigint for hex str

fastWithdrawAccountId

string(int64)

false

none

Fast withdrawal account id

fastWithdrawAccountL2Key

string

false

none

Fast withdrawal account l2Key, bigint for hex str

fastWithdrawMaxAmount

string

false

none

Maximum amount for fast withdrawal

fastWithdrawRegistryAddress

string

false

none

Fast withdrawal account address

starkExChainId

string

false

none

Chain id of starkex. bigint for hex str

starkExContractAddress

string

false

none

starkex contract address.

starkExCollateralCoin

[Coin](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemacoin)

false

none

Coin meta information

starkExMaxFundingRate

integer(int32)

false

none

Maximum funding rate per second after starkex precision processing. i.e. stark\_ex\_max\_funding\_rate \* 2^32 is the actual maximum funding rate per second. E.g.: 1120

starkExOrdersTreeHeight

integer(int32)

false

none

Order merkle tree height. E.g.: 64

starkExPositionsTreeHeight

integer(int32)

false

none

Account merkle tree height. E.g.: 64

starkExFundingValidityPeriod

integer(int32)

false

none

Funding rate submission validity period in seconds. E.g.: 86400

starkExPriceValidityPeriod

integer(int32)

false

none

Oracle price submission validity period in seconds. E.g.: 86400

maintenanceReason

string

false

none

Maintenance reason, empty if no maintenance

**getservertime**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, others for failure.

data

[GetServerTime](https://edgex-1.gitbook.io/edgeX-documentation/api/public-api/metadata-api" \l "schemagetservertime)

false

none

Server time

errorParam

object

false

none

Parameter information in error message

requestTime

string(timestamp)

false

none

Server request receiving time

responseTime

string(timestamp)

false

none

Server response returning time

traceId

string

false

none

Call traceId

**schemagetservertime**

Name

Type

Required

Constraints

Description

timeMillis

string(int64)

false

none

Server timestamp, milliseconds