starknet_estimateFee

Returns an estimate of the fee required for the network to process the specified transactions, at the specified block.

Parameters

- request
- : (array) [Required
-] A sequence of [StarkNet transactions](#)
- to estimate gas fees for.
- If multiple transactions are provided, each transaction is simulated on the state resulting from
- applying the previous transactions.
- block_id
- : [Required
-] The block parameter object containing one of the following:* block_hash
    - : (string) Block hash.
    - block_number
    - : (integer) Decimal block number.
    - One of the string tagslatest
    - orpending
    - .

Returns

A sequence of fee estimates corresponding to the sequence of requested transactions. Each fee estimate object contains:

- gas_consumed
- : The Ethereum gas consumption of the transaction.
- gas_price
- : The gas price (in gwei) that was used in the cost estimation.
- overall_fee
- : The estimated fee for the transaction (in gwei), product ofgas_consumed
- andgas_price
- .

Example

ReplaceYOUR-API-KEY with an API key from your [Infura dashboard](#) .

Request

- cURL

curl https://starknet-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{ "jsonrpc": "2.0", "method": "starknet_estimateFee", "params": { "request": [{ "type": "INVOKE", "max_fee": "0x28ed6103d0000", "version": "0x1", "signature": ["0x42527ffe9912b338983cbed67e139cfcc26a4d8cf1d1c2a85e4125fdf5f59ed", "0x636147d06fefd02ed37984b752556d4b9aefdac1a50b3df0528ec7c201ad84b"], "sender_address": "0x13e3ca9a377084c37dc7eacbd1d9f8c3e3733935bcbad887c32a0e213cd6fe0", "calldata": ["0x2", "0x57c4b510d66eb1188a7173f31cccee47b9736d40185da8144377b896d5ff3", "0x2f0b3c5710379609eb5495f1ecd348cb28167711b73609fe565a72734550354", "0x0", "0x1", "0x57c4b510d66eb1188a7173f31cccee47b9736d40185da8144377b896d5ff3", "0x2f0b3c5710379609eb5495f1ecd348cb28167711b73609fe565a72734550354", "0x1", "0x1", "0x2", "0x0", "0x1"], "nonce": "0x1" }], "block_id": { "block_number": 59999 } }, "id": 0 }'

Response

- JSON

{ "jsonrpc": "2.0", "result": [{ "gas_consumed": "0x41de", "gas_price": "0x67edb4f57", "overall_fee": "0x1abd7b153e472" }], "id": 0 }

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