eth_call

Executes a new message call immediately without creating a transaction on the blockchain.

Gas parameter is capped To prevent API abuse, the gas parameter in eth_estimateGas and this eth_call method is capped at 10x (1000%) the current block gas limit.

Parameters

- from
- : 20 bytes [Required
-] Address the transaction is sent from.
- to
- : 20 bytes - Address the transaction is directed to.
- gas
- : Hexadecimal value of the gas provided for the transaction execution. eth_call
- consumes zero gas, but this parameter may be needed by some executions.
- gasPrice
- : Hexadecimal value of the gasPrice
- used for each paid gas.
- maxPriorityFeePerGas
- : Maximum fee, in Wei, the sender is willing to pay per gas above the base fee. See EIP-1559 transactions
- .
- maxFeePerGas
- : Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. See EIP-1559 transactions
- .
- value
- : Hexadecimal of the value sent with this transaction.
- data
- : Hash of the method signature and encoded parameters. See Ethereum contract ABI specification
- .
- block parameter
- : [Required
-] A hexadecimal block number, or one of the string tags latest
- , earliest
- , pending
- , safe
- , or finalized
- . See the default block parameter
- .

Returns

The returned value of the executed contract.

If this call causes the EVM to execute a REVERT operation, an error response of the following form is returned, with the revert reason pre-decoded as a string:

{ "jsonrpc": "2.0", "id": 1, "error": { "code": 3, "message": "execution reverted: Dai/insufficient-balance", "data":
"0x08c379a000000000000000000000000000000000000000000000000000000000000000200000000000000000000000000000000000000000000000000000000000000184461692f696e73756666696...
} }

Example

Replace YOUR-API-KEY with an API key from your Infura dashboard .

Request

- cURL

curl https://base-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc":"2.0","method":"eth_call","params": [{"from": "0xb60e8dd61c5d32be8058bb8eb970870f07233155","to": "0xd46e8dd67c5d32be8058bb8eb970870f07244567","gas": "0x76c0","gasPrice": "0x9184e72a000","value": "0x9184e72a","data": "0xd46e8dd67c5d32be8d46e8dd67c5d32be8058bb8eb970870f072445675058bb8eb970870f072445675"}, "latest"],"id":1}'

Response

- JSON

{ "jsonrpc" :

"2.0" , "id" :

1 , "result" :

"0x" }