# eth call

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

Gas parameter is capped To prevent API abuse, thegas parameter ineth estimateGas and thiseth call method is capped at 10x (1000%) the current block gas limit.

#### **Parameters**

- from
- : 20 bytes [Required
- Address the transaction is sent from
- : 20 bytes Address the transaction is directed to.
- 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 thegasPrice
- used for each paid gas maxPriorityFeePerGas
- : Maximum fee, in Wei, the sender is willing to pay per gas above the base fee. Se EIP-1559 transactions
- : Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. See 1P-1559 transactions
- : Hexadecimal of the value sent with this transaction.
- : Hash of the method signature and encoded parameters. Setethereum contract ABI specification
- block parameter
- : [Required ] A hexadecimal block number, or one of the string tagslatest
- ,earliest
- pending
- ,safe
- , orfinalized
- See thedefault block parameter

#### Returns

The returned value of the executed contract.

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

}}

#### Example

ReplaceYOUR-API-KEY with an API key from yourInfura dashboard

### Request

- cURL
- WSS

 $curl \ https://optimism-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": "0xd46e8dd67c5d32be8058bb8eb970870f072445675058bb8eb970870f072445675", "latesi"],"id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"eth_call","params": {{"from": "0xb60e8dd61c5d32be8058bb8eb970870f07233155","to": "0xd46e8dd67c5d32be8058bb8eb970870f072445675", "gasPrice": "0x9184e72a000","value": "0x9184e72a","data": "0xd46e8dd67c5d32be8dd68cd67c5d32be8dd68cd67c5d32be8058bb8eb970870f072445675", "latesi"], "id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"eth_call","params": {{"from": "0xb60e8dd61c5d32be8058bb8eb970870f07233155","to": "0xd46e8dd67c5d32be8058bb8eb970870f072445675", "latesi"], "id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"eth_call","params": {{"from": "0xb60e8dd61c5d32be8058bb8eb970870f07233155","to": "0xd46e8dd67c5d32be8058bb8eb970870f072445675", "latesi"], "id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"eth_call","params": {{"from": "0xb60e8dd61c5d32be8058bb8eb970870f07233155","to": "0xd46e8dd67c5d32be8058bb8eb970870f072445675", "latesi"], "id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc": "0xd46e8dd67c5d32be8058bb8eb970870f072445675058bb8eb970870f072445675", "latesi"], "id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '' '{"jsonrpc": "0xd46e8dd67c5d32be8058bb8eb970870f072445675058bb8eb970870f072445675", "latesi"], "id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '' '{"jsonrpc": "0xd46e8dd67c5d32be8058bb8eb970870f072445675058bb8eb970870f072445675", "latesi"], "id":1}' wsc$ 

## Response

• JSON

{ "jsonrpc" :

"2.0" , "id" : 1 , "result" :

"0x" }

Last updatedonApr 19, 2024 Previous eth blockNumber Next eth chainle