

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. For Growth and Custom service plans This JSON-RPC method allows a request to be forwarded to a partner service provider if Infura should experience a service issue or outage. See [Failover protection](#) and [Enable API request forwarding](#) for complete details.

If you would like failover protection but don't qualify under your current plan, then either self-upgrade to the Growth plan or contact a sales representative to upgrade to a Custom plan.

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 thegasPrice
- 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 tagslatest
- ,earliest
- ,pending
- ,safe
- , orfinalized
- . 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:

[illegible]

Example

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

Request

- cURL
- WSS

```
curl https://polygon-mainnet.infura.io/v3/YOUR-API-KEY -X POST -H 'Content-Type: application/json' -d '{"jsonrpc": "2.0", "method": "eth_call", "params": [{"from": "0xb60e8dd61c5d32be8058bb8eb97087f07244567", "to": "0xd46e8dd67c5d32be8058bb8eb97087f07244567", "gas": "0x76c0", "gasPrice": "0x918472a000", "value": "0x918472a000", "data": "0xb60e8dd67c5d32be8058bb8eb97087f072445675d532be8058bb8eb97087f072445675058bb8eb97087f072445675", "latest": "latest", "id": 1}], [{"wsat -c wss://polygon-mainnet.infura.io/ws/v3/YOUR-API-KEY -x "0x918472a000", "method": "eth_call", "params": [{"from": "0xb60e8dd61c5d32be8058bb8eb97087f07244567", "to": "0xd46e8dd67c5d32be8058bb8eb97087f07244567", "gas": "0x76c0", "gasPrice": "0x918472a000", "value": "0x918472a", "data": "0xd46e8dd67c5d32be8058bb8eb97087f072445675d532be8058bb8eb97087f072445675058bb8eb97087f072445675", "latest": "latest", "id": 1}]}]
```

Response

- JSON

```
{ "jsonrpc" :
```

"2.0" , "id" :

```
1 , "result" :
```

"0x" }

Last updated on Apr 19, 2024 [Previous eth_blockNumber](#) [Next eth_chainId](#)