

trace_block

Get trace information about all the transactions in a given block. This can be useful for debugging purposes or for analyzing the behavior of a blockchain.

Parameters

- block parameter
- [Required
-] A hexadecimal block number, or the string latest
- , earliest
- , or pending
- . See the [default block parameter](#)
- .

Returns

A list of [calls to other contracts](#) containing one object per call, in transaction execution order.

Example

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

Request

- cURL
- WSS

```
curl https://mainnet.infura.io/v3/YOUR-API-KEY \-X POST \-H "Content-Type: application/json" \-d '{"jsonrpc":"2.0","method":"trace_block","params":["0x6"],"id":1}' wscat -c wss://mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"trace_block","params":["0x6"],"id":1}'
```

Response

- JSON

```
{ "jsonrpc": "2.0", "result": [ { "action": { "callType": "call", "from": "0xfe3b557e8fb62b89f4916b721be55ceb828dbd73", "gas": "0xffad82", "input": "0x0000000000000000000000000000000000000000000000000000000000000000", "to": "0x0020000000000000000000000000000000000000000000000000000000000000", "value": "0x0" }, "blockHash": "0x71512d31e18f828cef069a87bc2c7514a8ca334f9ee72625efdf5cc2d43768dd", "blockNumber": 6, "result": { "gasUsed": "0x7536", "output": "0x" }, "subtraces": 1, "traceAddress": [], "transactionHash": "0x91eeabc671e2dd2b1c8ddebb46ba59e8cb3e7d189f80bcc868a9787728c6e59e", "transactionPosition": 0, "type": "call" }, { "action": { "address": "0x0020000000000000000000000000000000000000000000000000000000000000", "balance": "0x300", "refundAddress": "0x0000000000000000000000000000000000000000000000000000000000000000", "blockHash": "0x71512d31e18f828cef069a87bc2c7514a8ca334f9ee72625efdf5cc2d43768dd", "blockNumber": 6, "result": null, "subtraces": 0, "traceAddress": [0], "transactionHash": "0x91eeabc671e2dd2b1c8ddebb46ba59e8cb3e7d189f80bcc868a9787728c6e59e", "transactionPosition": 0, "type": "suicide" }, { "action": { "author": "0x0000000000000000000000000000000000000000000000000000000000000000", "rewardType": "block", "value": "0x1bc16d674ec80000" }, "blockHash": "0x71512d31e18f828cef069a87bc2c7514a8ca334f9ee72625efdf5cc2d43768dd", "blockNumber": 6, "result": null, "subtraces": 0, "traceAddress": [], "transactionHash": null, "transactionPosition": null, "type": "reward" } ], "id": 1 }
```

Last updated on Apr 19, 2024 [Previous Trace methods](#) [Next trace_call](#)