trace_filter

Returns traces matching the specified filter. The response is limited to 10000 traces per response.

Parameters

- filter object
- [Required]
- with the following keys and their values:* fromBlock
-
  - :[optional]
-
  - Trace starts at this block.
-
  - toBlock
-
  - :[optional]
-
  - Trace stops at this block.
-
  - fromAddress
-
  - :[optional]
-
  - Include only traces sent from this address.
-
  - toAddress
-
  - :[optional]
-
  - Include only traces with this destination address.
-
  - after
-
  - :[optional]
-
  - The offset trace number.
-
  - count
-
  - :[optional]
-
  - Number of traces to display in a batch.

Returns

A [trace](#) list that matches the supplied filter.

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_filter","params":[{"fromBlock":"0x1","toBlock":"0x21","after":2,"count":2,"fromAddress": ["0xfe3b557e8fb62b89f4916b721be55ceb828dbd73"]}],"id":415}' wscat -c wss://mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"trace_filter","params":[{"fromBlock":"0x1","toBlock":"0x21","after":2,"count":2,"fromAddress": ["0xfe3b557e8fb62b89f4916b721be55ceb828dbd73"]}],"id":415}'

Response

- JSON

{ "jsonrpc": "2.0", "result": [{ "action": { "callType": "call", "from": "0xfe3b557e8fb62b89f4916b721be55ceb828dbd73", "gas": "0xffad82", "input": "0x00000000000000000000000000000000000000999", "to": "0x0020000000000000000000000000000000000000", "value": "0x0" }, "blockHash": "0xcd5d9c7acdcbd3fb4b24a39e05a38e32235751bb0c9e4f1aa16dc598a2c2a9e4", "blockNumber": 6, "result": { "gasUsed": "0x7536", "output": "0x" }, "subtraces": 1, "traceAddress": [], "transactionHash": "0x91eeabc671e2dd2b1c8ddebb46ba59e8cb3e7d189f80bcc868a9787728c6e59e", "transactionPosition": 0, "type": "call" }, { "action": { "callType": "call", "from": "0xfe3b557e8fb62b89f4916b721be55ceb828dbd73", "gas": "0xffad52", "input": "0xf0000000000000000000000000000000000000000000000000000000000000001", "to": "0x0030000000000000000000000000000000000000", "value": "0x0" }, "blockHash": "0xeed85fe57db751442c826cfe4fdf43b10a5c2bc8b6fd3a8ccced48eb3fb35885", "blockNumber": 7, "result": { "gasUsed": "0x1b", "output": "0xf0000000000000000000000000000000000000000000000000000000000000002" }, "subtraces": 0, "traceAddress": [], "transactionHash": "0x47f4d445ea1812cb1ddd3464ab23d2bfc6ed408a8a9db1c497f94e8e06e85286", "transactionPosition": 0, "type": "call" }], "id": 415 }

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