

trace_callMany

Performs multiple call-traces on top of the same block. You can analyze the interactions between different transactions and contracts.

Parameters

- block parameter
- :[Required]
- The hexadecimal block number, or the string latest
- ,earliest
- , or pending
- . See the [default block parameter](#)
- .
- options
- : A list of tracing options. Tracing options are [trace](#)
- and [stateDiff](#)
- . Specify both options or none.

Returns

- result
- : A trace object that includes the [trace](#)
- and [stateDiff](#)
- .

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_callMany","params":
[[[{"from":"0x407d73d8a49eeb85d32cf465507dd71d507100c1","to":"0xa94f5374fce5edbc8e2a8697c15331677e6ebf0b","value":"0x186a0"},
["trace"]],
[{"from":"0x407d73d8a49eeb85d32cf465507dd71d507100c1","to":"0xa94f5374fce5edbc8e2a8697c15331677e6ebf0b","value":"0x186a0"},
["trace"]]],["latest"],["latest"],["id":1}
wscat -c wss://mainnet.infura.io/ws/v3/YOUR-API-KEY -x
'{"jsonrpc":"2.0","method":"trace_callMany","params":
[[[{"from":"0x407d73d8a49eeb85d32cf465507dd71d507100c1","to":"0xa94f5374fce5edbc8e2a8697c15331677e6ebf0b","value":"0x186a0"},
["trace"]],
[{"from":"0x407d73d8a49eeb85d32cf465507dd71d507100c1","to":"0xa94f5374fce5edbc8e2a8697c15331677e6ebf0b","value":"0x186a0"},
["trace"]]],["latest"],["latest"],["id":1}]'
```

Response

- JSON

```
{ "jsonrpc": "2.0", "result": [ { "output" : "0x", "stateDiff" : null, "trace" : [ { "action" : { "callType" : "call", "from" :
"0x407d73d8a49eeb85d32cf465507dd71d507100c1", "gas" : "0x1dcd12f8", "input" : "0x", "to" :
"0xa94f5374fce5edbc8e2a8697c15331677e6ebf0b", "value" : "0x186a0" }, "result" : { "gasUsed" : "0x0", "output" : "0x" }, "subtraces" : 0,
"traceAddress" : [ ], "type" : "call" } ], "vmTrace" : null }, { "output" : "0x", "stateDiff" : null, "trace" : [ { "action" : { "callType" : "call", "from" :
"0x407d73d8a49eeb85d32cf465507dd71d507100c1", "gas" : "0x1dcd12f8", "input" : "0x", "to" :
"0xa94f5374fce5edbc8e2a8697c15331677e6ebf0b", "value" : "0x186a0" }, "result" : { "gasUsed" : "0x0", "output" : "0x" }, "subtraces" : 0,
"traceAddress" : [ ], "type" : "call" } ], "vmTrace" : null }, ], "id" : 1 }
```

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