

debug_traceCall

Returns the number of possible tracing result by executing aneth_call within the context of the given block execution.

Limited access Infura restrictsdebug_traceCall to a select set of customers. Please[contact the Infura support team](#) to ask about custom plans.

Parameters

- Transaction object with the following fields:
 - - from
 - - : (string) address (20 bytes) the transaction is sent from.
 - - to
 - - : (string)[required]
 - - address (20 bytes) the transaction is directed to.
 - - gas
 - - : (string) 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
 - - : (string) hexadecimal value of thegasPrice
 - - used for each paid gas.
 - - maxPriorityFeePerGas
 - - : (string) maximum fee, in Wei, the sender is willing to pay per gas above the base fee.
 - - maxFeePerGas
 - - : (string) maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas.
 - - value
 - - : (string) hexadecimal of the value sent with this transaction.
 - - data
 - - : (string) hash of the method signature and encoded parameters.
 - - See[Ethereum contract ABI specification](#)
 - - .
 - block parameter
 - : [Required
 -] hexadecimal block number, or one of the string tagslatest
 - ,earliest
 - ,pending
 - , orfinalized
 - .
 - See the[default block parameter](#)
 - .
 - warning
 - safe
 - isn't supported. Usefinalized
 - instead.

- Optional tracing options object with the following fields:
- - tracer
 - : (string)[optional]
 - type of tracer. Supports [callTracer](#)
 - or [prestateTracer](#)
 - .
 - tracerConfig
 - : (object)[optional]
 - tracer configuration options:
 - * onlyTopCall
 - - : (boolean)[optional]
 - - when true
 - - , will only trace the primary (top-level) call and not any
 - - sub-calls. It eliminates the additional processing for each call frame.

Returns

Depending on the specified tracer type, returns a [callTracer](#) object or [prestateTracer](#) object.

Example

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

Request

- cURL
- WSS

```
curl https://scroll-mainnet.infura.io/v3/\ -X POST \-H "Content-Type: application/json" \-d '{"jsonrpc": "2.0", "method":  
"debug_traceCall", "params": [{"to": "0x6b175474e89094c44da98b954eedeac495271d0f", "data":  
"0x70a0823100000000000000000000000000000000000000000000000000000000E0D01A76C3Cf4288372a29124A26D4353EE51BE"}], "latest", {"tracer":  
"callTracer"}], "id": 1}' wscat -c wss://scroll-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc": "2.0", "method":  
"debug_traceCall", "params": [{"to": "0x6b175474e89094c44da98b954eedeac495271d0f", "data":  
"0x70a0823100000000000000000000000000000000000000000000000000000000E0D01A76C3Cf4288372a29124A26D4353EE51BE"}, "latest", {"tracer":  
"callTracer"}], "id": 1}'
```

Result

```
{
  "jsonrpc": "2.0",
  "id": 1,
  "result": {
    "from": "0x00000000000000000000000000000000",
    "gas": "0x28cc0",
    "gasUsed": "0x3635000",
    "to": "0x6b175474e89094c44da98b954eedeac495271d0f",
    "input": "0x70a082310000000000000000000000006e0d01a76c3cf4288372a29124a26d4353ee51be",
    "value": "0x0",
    "type": "CALL"
  }
}
```

Last updated on Nov 5, 2024 [Previous debug_traceBlockByNumber](#) [Next eth_accounts](#)