debug_traceBlockByNumber

Returns tracing results by executing all transactions in the specified block number.

Parameters

- blockNumber
- : (string)[required]
- block number as a hexadecimal string, or one of the string tagslatest
- ,earliest
- , orpending
- , asdescribed in the default block parameters
- .
- Optional tracing options object with the following fields:* tracer
    - : (string)[optional]
    - type of tracer. SupportscallTracer
    - orprestateTracer
    - .
    - tracerConfig
    - : (object)[optional]
    - tracer configuration options:* onlyTopCall
        - : (boolean)[optional]
        - whentrue
        - , 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 acallTracer object orprestateTracer object.

Example

Replace with an API key from yourInfura dashboard .

Request

- cURL
- WSS

curl https://scroll-mainnet.infura.io/v3/ \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc": "2.0", "method": "debug_traceBlockByNumber", "params": ["0x4d0c", {"tracer": "callTracer"}], "id": 1}' wscat -c wss://scroll-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc": "2.0", "method": "debug_traceBlockByNumber", "params": ["0x4d0c", {"tracer": "callTracer"}], "id": 1}'

Result

{ "jsonrpc": "2.0", "id": 1, "result": [{ "result": { "from": "0xa5ba45f484bc67fe293cf01f7d92d5ba3514dd42", "gas": "0x5208", "gasUsed": "0x5208", "input": "0x", "to": "0x45a318273749d6eb00f5f6ca3bc7cd3de26d642a", "type": "CALL", "value": "0x2ca186f5fda8004" } }, { "result": { "from": "0x25f2650cc9e8ad863bf5da6a7598e24271574e29", "gas": "0xfe0e", "gasUsed": "0xafee", "input": "0xd0e30db0", "to": "0xe5d7c2a44ffddf6b295a15c148167daaaf5cf34f", "type": "CALL", "value": "0x2386f26fc10000" } } ...] }