eth_getTransactionByBlockNumberAndIndex

Returns information about a transaction given block number and transaction index position.

Parameters

- · block parameter
- : [Required
- .] A hexadecimal block number, or one of the string tagslatest
- .earliest
- · ,pending
- .safe
- , orfinalized
- See thedefault block parameter
- · transaction index position
- : [Required
-] A hexadecimal of the integer representing the position in the block.

Returns

A transaction object, or null when no transaction was found. The transaction object will consist of the following keys and their values:

-] A list of addresses and storage keys accessed by the transaction. Seaccess list transactions
- blockHash
- : 32 bytes. A hash of the block including this transaction.null
- when it's pending
- blockNumber
- : The number of the block including this transaction.null
- · when it's pending
- chainID
- : [optional
-] chain ID specifying the network. Returned only foEIP-1559 transactions
- : 20 bytes. The address of the sender.
- : Gas provided by the sender.
- gasPrice
- : Gas price provided by the sender in Wei.
- hash
- : 32 bytes. The hash of the transaction.
- input
- : The data sent along with the transaction.
- maxPriorityFeePerGas
- : [optional
-] Maximum fee, in Wei, the sender is willing to pay per gas above the base fee. Se<u>€IP-1559 transactions</u>

- Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. SeeIP-1559 transactions
- : The number of transactions made by the sender prior to this one
- : 32 bytes. The ECDSA signaturer
- : 32 bytes. The ECDSA signatures
- . : 20 bytes. The address of the receiver.null
- · when it's a contract creation transaction.
- transactionIndex
- : The transaction's index position in the block, in hexadecimal.null
- · when it's pending
- : Thetransaction type
- : The ECDSA recovery ID.
- . : The value transferred in Wei.

Example

ReplaceYOUR-API-KEY with an API key from your dashboard

Request

- cURL
- WSS

curl https://optimism-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc":"2.0","method":"eth_getTransactionByBlockNumberAndIndex","params": ["0x5BAD55","0x0"],"id":1}' wscat -c wss://optimism-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"eth_getTransactionByBlockNumberAndIndex","params": ["0x5BAD55","0x0"],"id":1}'

• JSON

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