eth_getTransactionByBlockNumberAndIndex

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

Parameters

- blockParameter
- : (string) [required
-] A hexadecimal block number, or one of the tagslatest
- ,earliest
- ,pending
- orfinalized
- . See thedefault block parameter
- .
- warning
- safe
- isn't supported. Usefinalized
- instead.
- 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:

- accessList
- : [optional
-] A list of addresses and storage keys accessed by the transaction. Seeaccess 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 forEIP-1559 transactions
- .
- from
- : 20 bytes. The address of the sender.
- gas
- : 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. SeeEIP-1559 transactions
- .
- maxFeePerGas
- : [optional
-] Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. SeeEIP-1559 transactions
- .
- nonce
- : The number of transactions made by the sender prior to this one.
- r
- : 32 bytes. The ECDSA signaturer
- .
- s
- : 32 bytes. The ECDSA signatures

- .
- to
- : 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.
- type
- : The[transaction type](#)
- .
- v
- : The ECDSA recovery ID.
- value
- : The value transferred in Wei.
- yParity
- : [optional
-] Parity (0x0
- for even,0x1
- for odd) of the y-value of a[secp256k1](#)
- signature.

Example

Replace YOUR-API-KEY 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": "eth_getTransactionByBlockNumberAndIndex", "params": ["0x5BAD55","0x0"], "id": 1}' wscat -c wss://scroll-mainnet.infura.io/ws/v3/ -x '{"jsonrpc": "2.0", "method": "eth_getTransactionByBlockNumberAndIndex", "params": ["0x5BAD55","0x0"],"id": 1}'

Response

- JSON

{ "id" : 1, "jsonrpc" : "2.0", "result" : { "accessList":[],
"blockHash":"0x1682216b3a937e57aeb8c7fcf64a8851ac9a5dd2407f7a76e01aad1ccc0aee19",
"blockNumber":"0x11dca94", "chainId":"0x1", "from":"0x1f9090aae28b8a3dceadf281b0f12828e676c326", "gas":"0x565f",
"gasPrice":"0xef8230501", "hash":"0x140fc3229057d6a484227cbcae16331f586310f68f2095dbc75b3af53d4874bd",
"input":"0x", "maxFeePerGas":"0xef8230501", "maxPriorityFeePerGas":"0x0", "nonce":"0x63b1f",
"r":"0x483a889fdbe4bcebd02fcef8b0644dd710de2b2b2f36f4762b90738016e5c639",
"s":"0x39efb4a71072e6585223e9e77e63920fa65f3de5091d510667782d4cd34ce0a4",
"to":"0x388c818ca8b9251b393131c08a736a67ccb19297", "transactionIndex":"0xa4", "type":"0x2", "v":"0x1",
"value":"0x12ff2241f48fc83", "yParity":"0x1" } }