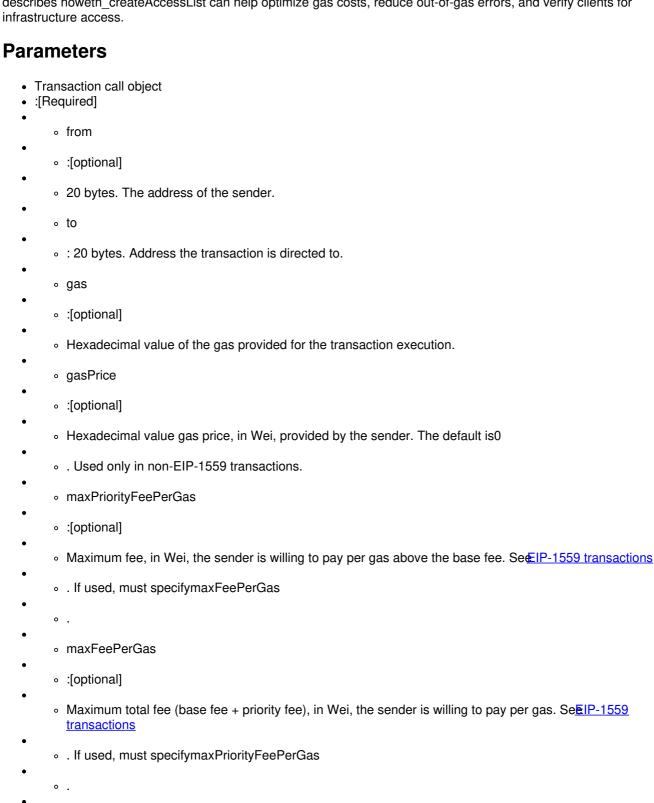
eth createAccessList

Creates an EIP-2930 access list that you can include in atransaction .

Use this method to optimize your smart contract interactions. Access lists are a part of Ethereum's EIP-2930, which aims to improve the network's scalability and reduce gas costs by specifying an explicit list of addresses and storage keys that a transaction intends to access.

Optimizing Ethereum Transactions See the Infura articleOptimizing Ethereum Transactions with eth createAccessList that describes howeth_createAccessList can help optimize gas costs, reduce out-of-gas errors, and verify clients for



Hexadecimal of the value transferred, in Wei.

value

:[optional]

- data
 - :[optional]
 - Hash of the method signature and encoded parameters. See thereum contract ABI specification
- block number
- orblock hash
- :[required]
- · A string representing a block number, block hash, or one of the string tagslatest
- ,earliest
- ,pending
- .safe
- · , orfinalized
- See thedefault block parameter
- .

Returns

Access list object with the following fields:

- accessList
- : A list of objects with the following fields:* address
 - : Addresses to be accessed by the transaction.
- storageKeys
- o Storagericy s
 - : Storage keys to be accessed by the transaction.
- gasUsed
- : A hexadecimal string representing the approximate gas cost for the transaction if the access list is included.

Example

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

Request

- cURL
- WSS

 $\label{lem:curl-https://mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"method":"eth_createAccessList","params":[{"from": "0xaeA8F8f781326bfE6A7683C2BD48Dd6AA4d3Ba63", "data": "0x608060806080608155"}, "pending"],"id":1,"jsonrpc":"2.0"}' wscat -c wss://mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"method":"eth_createAccessList","params":[{"from": "0xaeA8F8f781326bfE6A7683C2BD48Dd6AA4d3Ba63", "data": "0x608060806080608155"}, "pending"],"id":1,"jsonrpc":"2.0"}'$

Response

JSON

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