eth_getFilterLogs

Returns an array of all logs matching filter with given filter ID.

Parameters

Afilter object with the fillowing keys and their values:

- fromBlock
- :[optional, default:latest
-]
- A hexadecimal block number, orlatest
- for the last mined block. Thepending
- option is not currently supported. See the[default block parameter](#)
- .
- toBlock
- :[optional, default:latest
-]
- A hexadecimal block number, orlatest
- for the last mined block. See the[default block parameter](#)
- .
- address
- :[optional]
- (20 bytes). Contract address or a list of addresses from which logs should originate.
- topics
- :[optional]
- An array of 32 bytes DATA topics. Topics are order-dependent. Each topic can also be an array of DATA withor
- options.
- blockHash:[optional]
- With the addition of EIP-234,blockHash
- restricts the logs returned to the single block with the 32-byte hashblockHash
- . UsingblockHash
- is equivalent tofromBlock
- =toBlock
- = the block number with hashblockHash
- . IfblockHash
- is present in the filter criteria, then neitherfromBlock
- nortoBlock
- are allowed.

Returns

- log object array
- : (array) An array of log objects that match filter. For an array of logs that occurred since the last poll, use[eth_getFilterChanges](#)
- . Log objects contain the following keys and their values:* address
-
  - : 20 bytes. Address from which this log originated.
-
  - blockHash
-
  - : 32 bytes. The hash of the block where this log was in.Null
-
  - when it is a pending log.
-
  - blockNumber
-
  - : The block number where this log was in.Null
-
  - when it is a pending log.
-
  - data
-
  - : DATA. Contains the non-indexed arguments of the log.
-
  - logIndex

-
  - : A hexadecimal of the log index position in the block.Null
-
  - when it is a pending log.
-
  - removed
-
  - :true
-
  - when the log was removed, due to a chain reorganization.false
-
  - if it is a valid log.
-
  - topics
-
  - : Array of DATA. An array of 0 to 4 32-bytes DATA of indexed log arguments. In Solidity the firsttopic
-
  - is the hash of the signature of the event (e.g. Deposit(address,bytes32,uint256)), except when you declared the event with the anonymous specifier.
-
  - transactionHash
-
  - : 32 bytes. A hash of the transactions from which this log was created.Null
-
  - when it is a pending log.
-
  - transactionIndex
-
  - : A hexadecimal of the transactions index position from which this log was created.Null
-
  - when it is a pending log.

Example

ReplaceYOUR-API-KEY 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": "eth_getFilterLogs", "params": ["0x10ff0bfbedb01f0dbd4106d14eb719ec38b6eb5b821c"], "id": 1}' wscat -c wss://scroll-mainnet.infura.io/ws/v3/ -x '{"jsonrpc": "2.0", "method": "eth_getFilterLogs", "params": ["0x10ff0bfbedb01f0dbd4106d14eb719ec38b6eb5b821c"], "id": 1}'

Response

- JSON

{ "jsonrpc": "2.0", "id": 73, "result": [{ "address": "0xb5a5f22694352c15b00323844ad545abb2b11028", "blockHash": "0x99e8663c7b6d8bba3c7627a17d774238eae3e793dee30008debb2699666657de", "blockNumber": "0x5d12ab", "data": "0x00000000000000000000000000000000000000000000000a247d7a2955b61d000", "logIndex": "0x0", "removed": false, "topics": ["0xddf252ad1be2c89b69c2b068fc378daa952ba7f163c4a11628f55a4df523b3ef", "0x000000000000000000000000bdc0afe57b8e9468aa95396da2ab2063e595f37e", "0x0000000000000000000000007503e090dc2b64a88f034fb45e247cbd82b8741e"], "transactionHash": "0xa74c2432c9cf7dbb875a385a2411fd8f13ca9ec12216864b1a1ead3c99de99cd", "transactionIndex": "0x3" } }

Last updatedonNov 5, 2024 Previous eth_getFilterChanges Next eth_newBlockFilter