starknet_getEvents

Returns all event objects matching the conditions in the specified filter.

Parameters

filter : (object) [Required] The conditions used to filter the returned events, including:

- from_block
- : [Required
-] Block parameter object containing one of the following:* block_hash
-
    - : (string) Block hash.
-
    - block_number
-
    - : (integer) Decimal block number.
-
    - One of the string tagslatest
-
    - orpending
-
    - .
- to_block
- : [Required
-] Block parameter object containing one of the following:* block_hash
-
    - : (string) Block hash.
-
    - block_number
-
    - : (integer) Decimal block number.
-
    - One of the string tagslatest
-
    - orpending
-
    - .
- address
- : (string) Sender contract address.
- keys
- : (array) The values used to filter the events.
- continuation_token
- : (string) The token returned from the previous query.
- If no token is provided, the first page is returned.
- chunk_size
- : (integer) [Required
-] Chunk size.

Returns

An object containing:

- continuation_token
- : Use this token in a subsequent query to obtain the next page.
- This is not included if there are no more pages.
- events
- : An array of all event objects matching the specified filter.

Example

ReplaceYOUR-API-KEY with an API key from your[Infura dashboard](Infura dashboard) .

Request

- cURL

```
curl https://starknet-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{ "jsonrpc":
"2.0", "method": "starknet_getEvents", "params": { "filter": { "from_block": "latest", "to_block": "latest", "address":
"0x04c0a5193d58f74fbace4b74dcf65481e734ed1714121bdc571da345540efa05", "chunk_size": 10 } }, "id": 0 }'
```

Response

- JSON

{ "jsonrpc": "2.0", "id": 0, "result": { "continuation_token": "637544-10", "events": [{ "block_hash":
"0x38b2028fb31299733c25f55316721a90497f3300970f4a69b8774fe4d8cb600", "block_number": 637544, "data": [
"0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7", "0x33e67938997ade7b38b7f23",
"0x34c84c75bde3dc72f961baa"], "from_address":
"0x4c0a5193d58f74fbace4b74dcf65481e734ed1714121bdc571da345540efa05", "keys": [
"0x30c296ae369716818de77cb5b71ce9cda7cc2c0e8456f474e0abb1ae8d017da"], "transaction_hash":
"0x642fcafc5bdaa756c410cc6a968497551e86a783a5f21ea34c0f9214c2240af" }, { "block_hash":
"0x38b2028fb31299733c25f55316721a90497f3300970f4a69b8774fe4d8cb600", "block_number": 637544, "data": [
"0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7", "0x6db7e61ded25004dc0620",
"0x14e3778ef54505dfab26bf"], "from_address":
"0x4c0a5193d58f74fbace4b74dcf65481e734ed1714121bdc571da345540efa05", "keys": [
"0xa2fb82b5656725dad81c7112b2c4ef0119096677c3c0fd82632d0a74f07666"], "transaction_hash":
"0x642fcafc5bdaa756c410cc6a968497551e86a783a5f21ea34c0f9214c2240af" }, { "block_hash":
"0x38b2028fb31299733c25f55316721a90497f3300970f4a69b8774fe4d8cb600", "block_number": 637544, "data": [
"0x227fa960f90cd98fff1ddbcddbded55d4793a308b08ff920556408c466c5c64",
"0x227fa960f90cd98fff1ddbcddbded55d4793a308b08ff920556408c466c5c64",
"0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7", "0x616f08fd61feb9", "0x6379da05b60000"
], "from_address": "0x4c0a5193d58f74fbace4b74dcf65481e734ed1714121bdc571da345540efa05", "keys": [
"0x7ae0ab7952bbfc33a72035e5eccec7c8816723421c0acb315bd4690a71d46e"], "transaction_hash":
"0x642fcafc5bdaa756c410cc6a968497551e86a783a5f21ea34c0f9214c2240af" }] } }

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