

# starknet\_traceBlockTransactions

Returns the execution trace of all transactions in the specified block. This provides the exact sequence of operations that were performed during the execution of each transaction, and can be useful for debugging.

## Parameters

block\_id : [Required ] The 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
- .

## Returns

A list of execution traces of all transactions in the requested block.

## Example

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

## Request

- cURL

```
curl https://starknet-mainnet.infura.io/v3/YOUR-API-KEY \-X POST \-H "Content-Type: application/json" \-d '{ "id": 1, "jsonrpc": "2.0", "method": "starknet_traceBlockTransactions", "params": { "block_id": { "block_number": 456600 } } }'
```

## Response

- JSON

```
{ "jsonrpc": "2.0", "id": 1, "result": [ { "execute_invocation": { "call_type": "CALL", "calldata": [ "0x3", "0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7", "0x219209e083275171774dab1df80982e9df2096516f06319c5c6d71ae0a8480c", ... ], "caller_address": "0x0", "calls": [ { "call_type": "CALL", "calldata": [ "0xffff107e2403123c7df78d91728a7ee5cfd557aec0fa2d2bdc5891c286bbfff", "0x984e103a8acd6", "0x0" ], "caller_address": "0x569b13e8164bc8000c0bbcf4887856516643af123c5bc3b01e229e92f9cfd10", "calls": [], "class_hash": "0x2760f25d5a4fb2bdde5f561fd0b44a3dee78c28903577d37d669939d97036a0", "contract_address": "0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7", "entry_point_selector": "0x219209e083275171774dab1df80982e9df2096516f06319c5c6d71ae0a8480c", "entry_point_type": "EXTERNAL", "events": [ { "data": [ "0x569b13e8164bc8000c0bbcf4887856516643af123c5bc3b01e229e92f9cfd10", "0xffff107e2403123c7df78d91728a7ee5cfd557aec0fa2d2bdc5891c286bbfff", "0x984e103a8acd6", "0x0" ], "keys": [ "0x134692b230b9e1ffa39098904722134159652b09c5bc41d88d6698779d228ff" ], "order": 0 } ], "messages": [], "result": [ "0x1" ] } ], "class_hash": "0xd0e183745e9dae3e4e78a8ffedcce0903fc4900beace4e0abf192d4c202da3", "contract_address": "0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7", "entry_point_selector": "0x219209e083275171774dab1df80982e9df2096516f06319c5c6d71ae0a8480c", "entry_point_type": "EXTERNAL", "events": [], "messages": [], "result": [ "0x1" ] }, ... ], "class_hash": "0x1a736d6ed154502257f02b1ccd4d9d1089f80811cd6acad48e6b6a9d1f2003", "contract_address": "0x569b13e8164bc8000c0bbcf4887856516643af123c5bc3b01e229e92f9cfd10", "entry_point_selector": "0x15d40a3d6ca2ac30f4031e42be28da9b056fef9bb7357ac5e85627ee876e5ad", "entry_point_type": "EXTERNAL", "events": [ { "data": [ "0x3", "0x1", "0x1", ... ], "keys": [ "0x1dcde06aabdca2f80aa51392b345d7549d7757aa855f7e37f5d335ac8243b1", "0x24cfba646f79dd32c47a61d6de300f2ab1c9e2aff2e92f790c1368cd177d69c" ], "order": 10 } ], "messages": [], "result": [ "0x3", "0x1", "0x1", ... ], "state_diff": { "declared_classes": [], "deployed_contracts": [], "deprecated_declared_classes": [], "nonces": [ { "contract_address": "0x569b13e8164bc8000c0bbcf4887856516643af123c5bc3b01e229e92f9cfd10", "nonce": "0x52" } ], "replaced_classes": [], "storage_diffs": [ { "address": "0xffff107e2403123c7df78d91728a7ee5cfd557aec0fa2d2bdc5891c286bbfff", "storage_entries": [ { "key": "0x2bc92130481261ac8ebf05490c8f1799f651a4ebd2d64f0101f2a3f41bb441", "value": "0x569b13e8164bc8000c0bbcf4887856516643af123c5bc3b01e229e92f9cfd10" }, { "key":
```

```
"0x180cda4fd6c0599dc8ed498cc36eb9cab3ecad0efb3ccfd59043fbdd692374b", "value":  
"0x49d36570d4e46f48e99674bd3fcc84644ddd6b96f7c741b1562b82f9e004dc7" }, ... ] }, { "address":  
"0x1114c7103e12c2b2ecbd3a2472ba9c48ddcbf702b1c242dd570057e26212111", "storage_entries": [ { "key":  
"0x3fa65d6912e7d8d82b149d0cc034a285d8c33ae49e659642a4fd2e380937b7", "value": "0x74272944c439" }, { "key":  
"0x3fa65d6912e7d8d82b149d0cc034a285d8c33ae49e659642a4fd2e380937b8", "value": "0x648be4d87207" }, ... ] }, {  
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"0x14b36f2f827c4728ecac41e90cf996e64c4b20c345087b6be56bbe680051a1f", "value": "0x70e0d9aa29d9c159a" }, { "key":  
"0x367c2ac2e63b88cb4382f26a49c62b1dfecb966e92138c574cfbec611723cce", "value": "0x11ba205d123d0fb" }, ... ] }, {  
"address": "0x68f5c6a61780768455de69077e07e89787839bf8166decfbf92b645209c0fb8", "storage_entries": [ { "key":  
"0x14b36f2f827c4728ecac41e90cf996e64c4b20c345087b6be56bbe680051a1f", "value": "0x1860959920" }, { "key":  
"0x367c2ac2e63b88cb4382f26a49c62b1dfecb966e92138c574cfbec611723cce", "value": "0x11b0dac6" }, ... ] } ] }, "type":  
"INVOKE" }, ... ] }
```

Last updated on May 9, 2024 [Previous starknet\\_syncing](#) [Next starknet\\_trace](#) [Transaction](#)