

Debug methods

The debug API methods allow you to inspect and debug the network. Infura supports the following debug methods on the Linea network:

- [debug_traceBlockByHash](#)
- [debug_traceBlockByNumber](#)
- [debug_traceTransaction](#)

Debug tracing types

The debug methods support the `callTracer` and `prestateTracer` tracing types, which return different results when specified in the supported debug methods.

callTracer

The `callTracer` tracing type tracks all the call frames executed during a transaction, including the initial call. It returns a nested list of call frames, resembling how the EVM works. They form a tree with the top-level call at root and sub-calls as children of the higher levels.

The `callTracer` type returns an object with the following results:

Field Type Description
`type` string The type of call.
`from` string The address the transaction is sent from.
`to` string The address the transaction is directed to.
`value` string The amount transferred in the call (hex-encoded).
`gas` string The amount of gas provided for the call (hex-encoded).
`gasUsed` string The amount of gas used by the call (hex-encoded).
`input` string The call data.
`output` string The return data.
`error` string If an error occurred during the call, this field will contain the error message.
`revertReason` string If the contract execution was reverted, this field will contain the reason for the revert (if provided by Solidity).
`calls` array Sub-calls made by the contract during the execution of the transaction.

prestateTracer

The `prestateTracer` tracing type records and tracks every change made to the state during the execution of transactions. It generates an object that contains keys representing the addresses of the accounts involved in the transactions. The corresponding values are objects that include specific fields related to the state changes made during the transaction:

Field Type Description
`balance` string The account balance.
`nonce` uint64 The nonce value for the transaction.
`code` string The hex-encoded bytecode.
`storage` map The storage slots of the contract.

Last updated on Apr 19, 2024 [Previous JSON-RPC methods](#) [Next debug_traceBlockByHash](#)