Debug methods

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

- debug_storageRangeAt
- debug_traceBlock
- debug_traceBlockByHash
- debug_traceBlockByNumber
- debug_traceTransaction
- debug_traceCall
- debug_traceTransaction

Debug tracing types

The debug methods support thecallTracer andprestateTracer tracing types, which return different results when specified in the supported debug methods.

callTracer

ThecallTracer 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.

ThecallTracer 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 occurs during the call, this field contains the error message. revertReason string If the contract execution reverts, this field contains the reason for the revert (if provided by Solidity). calls array Sub-calls made by the contract during the execution of the transaction.

prestateTracer

TheprestateTracer 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 updatedonJun 5, 2024 [Previous JSON-RPC methods](Previous) [Next debug_storageRangeAt](Next)