

API Overview

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API Overview

Info

The API exposed by the EN is designed to be Web3-compliant. Any deviation from the Ethereum behavior is likely unintended, and we encourage users to report such discrepancies.

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eth_Namespace

Data getters in this namespace operate in the L2 domain. They deal with L2 block numbers, check balances in L2, and more.

Method Notes [eth_blockNumber](#) [eth_chainId](#) [eth_call](#) [eth_estimateGas](#) [eth_gasPrice](#) [eth_newFilter](#) Maximum amount of installed filters is configurable [eth_newBlockFilter](#) Same as above [eth_newPendingTransactionsFilter](#) Same as above [eth_uninstallFilter](#) [eth_getLogs](#) Maximum amount of returned entities can be configured [eth_getFilterLogs](#) Same as above [eth_getFilterChanges](#) Same as above [eth_getBalance](#) [eth_getBlockByNumber](#) [eth_getBlockByHash](#) [eth_getBlockTransactionCountByNumber](#) [eth_getBlockTransactionCountByHash](#) [eth_getCode](#) [eth_getStorageAt](#) [eth_getTransactionCount](#) [eth_getTransactionByHash](#) [eth_getTransactionByBlockHashAndIndex](#) [eth_getTransactionByBlockNumberAndIndex](#) [eth_getTransactionReceipt](#) [eth_protocolVersion](#) [eth_sendRawTransaction](#) [eth_syncing](#) EN is considered synced if it's less than 11 blocks behind the main node. [eth_coinbase](#) Always returns a zero address [eth_accounts](#) Always returns an empty list [eth_getCompilers](#) Always returns an empty list [eth_hashrate](#) Always returns zero [eth_getUncleCountByBlockHash](#) Always returns zero [eth_getUncleCountByBlockNumber](#) Always returns zero [eth_mining](#) Always returns false

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PubSub

This is exclusively available on the WebSocket servers.

Method Notes [eth_subscribe](#) Maximum amount of subscriptions is configurable [eth_subscription](#)

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net_Namespace

Method Notes [net_version](#) [net_peer_count](#) Always returns 0 [net_listening](#) Always returns false

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web3_Namespace

Method Notes [web3_clientVersion](#)

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debug_Namespace**

This namespace provides a set of non-standard RPC methods for developers to inspect and debug calls and transactions. By default, this namespace is disabled but can be activated using the `EN_API_NAMESPACES` setting. Please refer to the configuration section for more details.;

Method Notes [debug_traceBlockByNumber](#) [debug_traceBlockByHash](#) [debug_traceCall](#) [debug_traceTransaction](#)

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zks Namespace

This namespace holds rollup-specific extensions to the Web3 API. Only the methods documented are deemed public. Other methods in this namespace, though exposed, are not stable and may change without notice.

Method Notes zks_estimateFee zks_estimateGasL1ToL2 zks_getAllAccountBalances zks_getBlockDetails
zks_getBridgeContracts zks_getBytecodeByHash zks_getConfirmedTokens zks_getL1BatchBlockRange
zks_getL1BatchDetails zks_getL2ToL1LogProof zks_getL2ToL1MsgProof zks_getMainContract
zks_getRawBlockTransactions zks_getTestnetPaymaster zks_getTokenPrice zks_getTransactionDetails
zks_L1BatchNumber zks_L1ChainId

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en Namespace

This namespace includes methods that external nodes call on the main node during syncing. If this namespace is active, other ENs can sync using this node.

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