Introduction

- Alchemy API Reference Overview
 - Chain APIs Overview
- Enhanced APIs Overview
- Alchemy Quickstart Guide

Resources

- FAQ
- - Feature Support By Chain
- Throughput
- _
- Batch Requests
- Gas Limits
- Error Reference
- Compute Units
- .
 - Pricing Plans
 - Compute Unit Costs

NFT API

- NFT API Quickstart
- NFT API Endpoints Overview
- NFT API FAQ
- Ownership & Token Gating
- getNFTsForOwner get
 - getOwnersForNFT get
- getOwnersForContract get
- isHolderOfContract get
- getContractsForOwner get
- getCollectionsForOwner get
- NFT Metadata Access
 - getNFTMetadata get
 - getNFTMetadataBatch post
- getContractMetadata get
- getCollectionMetadata get
- invalidateContract get
- getContractMetadataBatch post
- getNFTsForContract get
- getNFTsForCollection get
 - searchContractMetadata get
- refreshNftMetadata post

- Spam Detection getSpamContracts get isSpamContract get isAirdropNFT get reportSpam get Rarity Data • summarizeNFTAttributes get computeRarity get Sales & Marketplace Data

 - - getFloorPrice get
 - getNFTSales get
 - NFT API V2 to V3 Migration Guide
 - NFT API V2 vs. V3 Endpoint Differences
 - NFT API V2 Methods (Older Version)
 - getNFTs get
 - getNFTMetadata get
 - getNFTMetadataBatch post
 - getContractMetadata get
 - getContractMetadataBatch post
 - getNFTsForCollection get
 - getOwnersForToken get
 - getOwnersForCollection get
 - getSpamContracts get
 - isSpamContract get
 - isAirdrop get
 - · invalidateContract get
 - getFloorPrice get
 - computeRarity get
 - searchContractMetadata get
 - summarizeNFTAttributes get
 - isHolderOfCollection get
 - getNFTSales get
 - getContractsForOwner get
 - reportSpam get

Transfers API (Tx History)

- Transfers API Quickstart
- **Transfers API Endpoints**

alchemy getAssetTransfers post

Transaction Receipts API

- **Transaction Receipts Endpoints**
 - alchemy getTransactionReceipts post

Token API

- Token API Quickstart
- Token API Endpoints
- - alchemy getTokenBalances post
 - alchemy_getTokenMetadata post
 - alchemy getTokenAllowance post

Alchemy Rollups

- Rollups Quickstart
- Supported Stacks

Subgraphs

- Subgraphs Quickstart
- Supported Subgraph Chains
- Developing a Subgraph
 - Graph CLI
 - · Creating a Subgraph
- Project Structure
- Data Sources
- Writing Mappings Moving your Subgraph to Production
 - Deploying a Subgraph
 - Subgraph Versioning
- Querying a Subgraph
- Deleting a Subgraph
 - Direct Database Access
- Community subgraphs

Webhooks

- Notify API Quickstart
 - Notify Tutorials and Applications
 - Notify API FAQ
- **Custom Webhooks Quickstart**
- Custom Webhooks FAQ
 - Custom Webhooks GraphQL Examples

- Custom Webhook Filters
 Custom Webhook Variables
 Custom Webhook API Methods
 - Read Variable Elements get
 - Create a Variable post
 - Delete a Variable delete
 - Update a Variable patch
- Notify API Methods
 - Get all webhooks get
 - Get all addresses for an Address Activity webhook get
- Create webhook post
- Add and remove webhook addresses patch
- Replace webhook addresses put
 - Update webhook status put
 - Update webhook NFT filters patch
 - Update NFT metadata webhook filters patch
- Get all webhook NFT filters get
- Delete webhook delete
- Webhook Types
 - Custom Webhook
 - Address Activity Webhook
 - Mined Transaction Webhook
- Dropped Transaction Webhook
- NFT Activity Webhook
 - NFT Metadata Updates Webhook

Websockets

- Subscription API Quickstart
- Best Practices for Using WebSockets in Web3
- Subscription API Endpoints
 - alchemy_minedTransactions
 - alchemy_pendingTransactions
 - newPendingTransactions
 - newHeads
 - logs

Trace API

- Trace API Quickstart
- Trace API Endpoints

- trace_block posttrace_call post
 - trace_get post
 - trace_rawTransaction post
 - trace_replayBlockTransactions post
 - trace_replayTransaction post
 - trace transaction post
 - trace filter post
- Trace API Resources
 - What are EVM Traces?
 - Trace API vs. Debug API

 - What is trace_transaction?
 - What is trace block?
 - What is trace_filter?
 - trace_call vs debug_traceCall

Debug API

- Debug API Quickstart
- Debug API Endpoints
 - debug traceCall post
 - debug_traceTransaction post
 - debug_traceBlockByNumber post
 - debug_traceBlockByHash post

ACCOUNT ABSTRACTION

- Bundler API Quickstart
- Bundler API Endpoints
 - eth_getUserOperationReceipt post
 - eth_supportedEntryPoints post
 - eth_getUserOperationByHash post
 - eth_sendUserOperation post
- rundler_maxPriorityFeePerGas post
 - eth estimateUserOperationGas post
- Bundler API Fee Logic
- Bundler RPC Errors
- Factory Addresses
- Gas Manager Coverage API Quickstart
- Gas Manager Coverage API Endpoints
- alchemy_requestPaymasterAndData post

•

- alchemy requestGasAndPaymasterAndData post
- Gas Manager Coverage API Fee Logic & Usage Limits
- Gas Manager Deployment Addresses
- **UserOperation Simulation Endpoints**

- <u>alchemy_simulateUserOperationAssetChanges post</u>
- AA-SDK
- **Account Abstraction FAQ**
- **EntryPoint Revert Codes**
 - AA10 sender already constructed
 - AA13 initCode failed or OOG
- AA14 initCode must return sender
 - AA15 initCode must create sender
 - AA20 account not deployed
- AA21 Didn't pay prefund
 - AA22 expired or not due

 - AA23 reverted (or OOG)
 - AA24 signature error
 - AA25 Invalid account nonce
- AA30 paymaster not deployed
- AA31 paymaster deposit too low
 - AA32 Paymaster expired or not due
 - AA33 reverted (or OOG)
- AA34 Signature Error
 - AA40 over verificationGasLimit
- AA41 too little verificationGas
 - AA50 postOp reverted
 - AA51 prefund below actualGasCost
- AA90 invalid beneficiary
- AA91 failed send to beneficiary
- · AA92 internal call only
- AA93 invalid paymasterAndData
- AA94 gas values overflow
- AA95 out of gas
 - · AA96 invalid aggregator

Embedded Accounts

- **Accounts API Endpoints**
- Create Account post

- Send Auth Email post
- Authenticate User post
- Get User post
- Sign Message post
 - Register New Authenticator post

Gas Manager Admin API

- Gas Manager Admin API Quickstart
- Gas Manager Admin API Endpoints
 - Create Policy post
- Get Policy get
- - Delete Policy delete
- Replace Policy put
- Get All Policies get
- Update Policy Status put
- Get Policy Stats get
 - Get Sponsorships get

Alchemy Transact

- Transact Quickstart
- Reinforced Transactions
- Transaction Simulation
- Asset Changes
- Execution Simulation
 - Bundle Simulation
 - Transaction Simulation Examples
- Transaction Simulation FAQs
- Transaction Simulation Endpoints
 - alchemy simulateAssetChanges post
 - alchemy_simulateAssetChangesBundle post
 - alchemy_simulateExecution post
 - alchemy_simulateExecutionBundle post
- Gas Optimized Transactions
 - alchemy getGasOptimizedTransactionStatus post
 - alchemy sendGasOptimizedTransaction post
- Private Transactions
 - eth_cancelPrivateTransaction post
 - eth_sendPrivateTransaction post

Alchemy SDK

Alchemy SDK Quickstart How to use Alchemy SDK with Typescript Examples Using the Alchemy SDK How to Manage a Multichain Project Using Alchemy SDK Alchemy SDK Surface Overview Alchemy SDK vs. Raw API Methods **SDK Core Methods** • call - SDK send - SDK estimateGas - SDK findContractDeployer - SDK • getBalance - SDK • getBlock - SDK • getBlockNumber - SDK getBlockWithTransactions - SDK getCode - SDK getFeeData - SDK getGasPrice - SDK getLogs - SDK • getStorageAt - SDK • getTokenBalances - SDK • getTokenMetadata - SDK • getTokensForOwner - SDK getTransactionCount - SDK getTransactionReceipt - SDK getTransactionReceipts - SDK isContractAddress - SDK • getAssetTransfers - SDK **SDK NFT Methods** getNftsForOwner - SDK • getNftMetadata -SDK getNftMetadataBatch - SDK • refreshNftMetadata - SDK • getNftSales - SDK

searchContractMetadata - SDK

• summarizeNftAttributes - SDK

 getNftsForOwnerIterator - SDK getNftsForContractIterator - SDK getContractMetadata - SDK getNftsForContract -SDK getTransfersForOwner - SDK • getTransfersForContract - SDK • getMintedNfts - SDK getOwnersForNft - SDK getOwnersForContract - SDK getSpamContracts -SDK • isSpamContract - SDK • refreshContract - SDK getContractsForOwner - SDK getFloorPrice - SDK computeRarity - SDK verifyNftOwnership - SDK **SDK Transact Methods** • getTransaction - SDK • sendTransaction - SDK • sendPrivateTransaction - SDK • cancelPrivateTransaction - SDK • waitForTransaction - SDK estimateGas - SDK getMaxPriorityFeePerGas - SDK • simulateAssetChanges - SDK • simulateAssetChangesBundle - SDK • simulateExecution - SDK simulateExecutionBundle - SDK **SDK Debug Methods** • traceCall - SDK • traceTransaction - SDK traceBlock - SDK **SDK Notify Methods** getAllWebhooks - SDK getAddresses - SDK

- getNftFilters SDK createWebhook - SDK updateWebhook - SDK
 - deleteWebhook SDK
 - **SDK WebSockets Endpoints**
 - **SDK Ethers Utils**
 - arrayify
 - formatUnits
 - concat

 - hexConcat
 - dnsEncode
 - hexDataLength
 - formatEther
 - hexDataSlice
 - hexStripZeros
 - <u>hashMessage</u>
 - isHexString
 - isValidName
 - joinSignature
 - splitSignature
 - toUtf8Bytes
 - <u>hexValue</u>
 - toUtf8String
 - <u>hexZeroPad</u>
 - zeroPad
 - hexlify
 - <u>id</u>
 - isBytes

isBytesLike

- Interface
- namehash
- parseEther
- - parseUnits
- stripZeros
- Alchemy SDK V2 to V3 Migration Guide
- Alchemy SDK V2 vs. V3 Method Differences

- SDK V2 Methods call - SDK
 - getAssetTransfers SDK
 - getMintedNfts SDK
 - verifyNftOwnership SDK
 - getOwnersForNft SDK
 - computeRarity SDK
 - getTransfersForContract SDK
 - getNftsForOwner SDK
 - refreshContract SDK
 - - getOwnersForContract SDK
 - getFloorPrice SDK
 - isSpamContract SDK
 - findContractDeployer -SDK
 - getSpamContracts SDK
 - getGasPrice SDK
 - getBalance SDK
 - getBlock -SDK
 - getBlockWithTransactions SDK
 - estimateGas SDK
 - getBlockNumber SDK
 - getCode SDK
 - getFeeData SDK
 - getLogs SDK
 - getNftMetadataBatch SDK
 - getTokensForOwner SDK
 - getStorageAt SDK
 - getTokenBalances SDK
 - getTransactionCount SDK
 - getTokenMetadata SDK
 - getTransactionReceipt SDK
 - send SDK
 - getTransactionReceipts SDK
- getTransaction SDK

- isContractAddress SDK
- getNftMetadata SDK
- getNftSales SDK
- cancelPrivateTransaction SDK
 - sendPrivateTransaction SDK
 - traceTransaction SDK
- simulateExecutionBundle SDK
- simulateExecution SDK
 - getMaxPriorityFeePerGas SDK
 - simulateAssetChangesBundle SDK
- estimateGas SDK
- simulateAssetChanges SDK
- traceBlock SDK
- waitForTransaction SDK
- traceCall SDK
- sendTransaction SDK
- updateWebhook SDK
 - refreshNftMetadata -SDK
- createWebhook SDK
- getNftFilters SDK
- getAddresses SDK
- summarizeNftAttributes SDK
 - deleteWebhook SDK
- searchContractMetadata SDK
- getAllWebhooks SDK
- getNftsForOwnerIterator SDK
- getNftsForContractIterator -SDK
- getContractMetadata SDK
- getTransfersForOwner SDK
- getNftsForContract SDK

Ethereum

- Ethereum API Quickstart
- Ethereum API FAQ
 - Ethereum Developer Guide to the Merge
- How to decode an eth_call response

 How do I distinguish between a contract address and a wallet address? **Ethereum API Endpoints** • eth_blockNumber - Ethereum post • eth_getBalance - Ethereum post eth_getLogs - Ethereum post · eth_chainId - Ethereum post • eth_getBlockByNumber - Ethereum post · eth accounts - Ethereum post eth_feeHistory - Ethereum post eth estimateGas - Ethereum post · eth gasPrice - Ethereum post eth_getBlockTransactionCountByHash - Ethereum post • eth_getBlockTransactionCountByNumber - Ethereum post eth_getCode - Ethereum post eth_getProof - Ethereum post eth_getStorageAt - Ethereum post eth_getTransactionByBlockHashAndIndex - Ethereum post eth_getTransactionByHash - Ethereum post • eth_getTransactionCount - Ethereum post · eth_getTransactionReceipt - Ethereum post • eth_getUncleByBlockHashAndIndex - Ethereum post • eth_getUncleByBlockNumberAndIndex - Ethereum post • eth_getUncleCountByBlockHash - Ethereum post eth_getUncleCountByBlockNumber - Ethereum post eth_maxPriorityFeePerGas - Ethereum post eth_protocolVersion - Ethereum post • eth_sendRawTransaction - Ethereum post net_listening - Ethereum post • net_version - Ethereum post web3_clientVersion - Ethereum post web3_sha3 - Ethereum post • eth_getTransactionByBlockNumberAndIndex - Ethereum post · eth_call - Ethereum post

eth getBlockByHash - Ethereum post

- eth_createAccessList Ethereum post
- eth_newFilter Ethereum post
- eth_getFilterChanges Ethereum post
- eth_getFilterLogs Ethereum post
 - eth_newBlockFilter Ethereum post
 - eth_newPendingTransactionFilter Ethereum post
- eth_uninstallFilter Ethereum post
- eth_getBlockReceipts Ethereum post
- eth_subscribe
 - eth unsubscribe

Polygon PoS

- Polygon PoS API Quickstart
- Polygon SDK Examples
- Polygon PoS API FAQ
- Polygon PoS API Endpoints
 - bor_getAuthor Polygon PoS post
 - bor getCurrentProposer Polygon PoS post
 - bor_getCurrentValidators Polygon PoS post
 - bor_getRootHash Polygon PoS post
- eth_accounts Polygon PoS post
 - eth_call Polygon PoS post
 - eth_chainId Polygon PoS post
- eth_estimateGas Polygon PoS post
- eth_gasPrice Polygon PoS post
- eth_getBalance Polygon PoS post
- eth_getBlockByHash Polygon PoS post
- eth_getBlockByNumber Polygon PoS post
- eth_getBlockTransactionCountByHash Polygon PoS post
- eth_getBlockTransactionCountByNumber Polygon PoS post
 - eth_getCode Polygon PoS post
 - eth_getFilterChanges Polygon PoS post
- eth_getFilterLogs Polygon PoS post
- eth_getLogs Polygon PoS post
- eth_getRootHash Polygon PoS post
 - eth_getSignersAtHash Polygon PoS post

- eth_getStorageAt Polygon PoS post
- eth_getTransactionByBlockHashAndIndex Polygon PoS post
- eth_getTransactionByBlockNumberAndIndex Polygon PoS post
- eth_getTransactionByHash Polygon PoS post
 - eth_getTransactionCount Polygon PoS post
 - eth_getTransactionReceipt Polygon PoS post
- eth_getTransactionReceiptsByBlock Polygon PoS post
- eth_sendRawTransaction Polygon PoS post
 - eth_uninstallFilter Polygon PoS post
 - net listening Polygon PoS post
 - eth_getUncleCountByBlockHash Polygon PoS post
- eth_getUncleCountByBlockNumber Polygon PoS post
 - eth_newBlockFilter Polygon PoS post
 - eth_newFilter Polygon PoS post
 - eth_newPendingTransactionFilter Polygon PoS post
- web3_clientVersion Polygon PoS post
- eth_createAccessList Polygon PoS post
 - eth_blockNumber Polygon PoS post
- bor_getSignersAtHash Polygon PoS post
- net_version Polygon PoS post
- eth_getProof Polygon PoS post
- eth_getUncleByBlockNumberAndIndex Polygon PoS post
- eth_maxPriorityFeePerGas Polygon PoS post
- eth_getBlockReceipts Polygon PoS post
- eth subscribe Polygon PoS
- eth_unsubscribe Polygon PoS

Polygon zkEVM

- Polygon zkEVM API Quickstart
- Polygon zkEVM API FAQ
 - What is the difference between Polygon zkEVM and Ethereum?
- What is the difference between Polygon zkEVM and Polygon PoS?
- Polygon zkEVM Endpoints
 - eth_getTransactionCount Polygon zkEVM post
- eth_call Polygon zkEVM post
 - eth_chainId Polygon zkEVM post

- eth newBlockFilter Polygon zkEVM post
- eth_estimateGas Polygon zkEVM post
- eth_newFilter Polygon zkEVM post
- eth_gasPrice Polygon zkEVM post
- eth_sendRawTransaction Polygon zkEVM post
- eth_getBalance Polygon zkEVM post
- eth_uninstallFilter Polygon zkEVM post
- eth_getBlockByHash Polygon zkEVM post
 - net_version Polygon zkEVM post
 - eth getBlockByNumber Polygon zkEVM post
- web3 clientVersion Polygon zkEVM post
 - eth_getBlockTransactionCountByHash Polygon zkEVM post
- eth_getBlockTransactionCountByNumber Polygon zkEVM post
 - zkevm_batchNumber Polygon zkEVM post
- eth_getCode Polygon zkEVM post
- eth_getFilterChanges Polygon zkEVM post
- eth_getFilterLogs Polygon zkEVM post
- zkevm_getBatchByNumber Polygon zkEVM post
- eth_getLogs Polygon zkEVM post
- zkevm_getBroadcastURI Polygon zkEVM post
 - eth_getStorageAt Polygon zkEVM post
- zkevm_isBlockConsolidated Polygon zkEVM post
 - eth_getTransactionByBlockHashAndIndex Polygon zkEVM post
 - zkevm_isBlockVirtualized Polygon zkEVM post
- eth_getTransactionByBlockNumberAndIndex Polygon zkEVM post
- zkevm_verifiedBatchNumber Polygon zkEVM post
 - eth_getTransactionByHash Polygon zkEVM post
 - zkevm_virtualBatchNumber Polygon zkEVM post
- eth_getCompilers Polygon zkEVM post
- eth_getUncleByBlockHashAndIndex Polygon zkEVM post
- eth_getUncleByBlockNumberAndIndex Polygon zkEVM post
- eth_getUncleCountByBlockHash Polygon zkEVM post
- eth_getUncleCountByBlockNumber Polygon zkEVM post
- eth protocolVersion Polygon zkEVM post

- eth blockNumber Polygon zkEVM post
- eth_getTransactionReceipt Polygon zkEVM post
- zkevm batchNumberByBlockNumber Polygon zkEVM post
- zkevm_consolidatedBlockNumber Polygon zkEVM post
 - zkevm_estimateFee API Polygon zkEVM post
 - zkevm_estimateGasPrice API Polygon zkEVM post

Arbitrum

- Arbitrum API Quickstart
- Arbitrum SDK Examples
- Arbitrum API FAQ
- Arbitrum vs. Ethereum API Differences
- Arbitrum API Endpoints
 - eth_call Arbitrum post
 - eth_estimateGas Arbitrum post
- eth_accounts Arbitrum post
 - eth_blockNumber Arbitrum post
 - eth chainId Arbitrum post
 - eth gasPrice Arbitrum post
 - eth_getBalance Arbitrum post
 - eth_getBlockTransactionCountByHash Arbitrum post
 - eth_getBlockTransactionCountByNumber Arbitrum post
 - eth_getCode Arbitrum post
- eth_getFilterChanges Arbitrum post
- eth_getFilterLogs Arbitrum post
- eth_getLogs Arbitrum post
- eth_getStorageAt Arbitrum post
- eth_getTransactionByBlockHashAndIndex Arbitrum post
- eth_getTransactionCount Arbitrum post
 - eth_getUncleByBlockNumberAndIndex Arbitrum post
 - eth_getUncleCountByBlockHash Arbitrum post
 - eth_getUncleCountByBlockNumber Arbitrum post
- eth_newBlockFilter Arbitrum post
- eth_newFilter Arbitrum post
- eth_newPendingTransactionFilter Arbitrum post
- eth_uninstallFilter Arbitrum post

- net_listening Arbitrum post
- net_version Arbitrum post
- web3_clientVersion Arbitrum post
- web3_sha3 Arbitrum post
- eth_sendRawTransaction Arbitrum post
 - eth_createAccessList Arbitrum post
- eth_maxPriorityFeePerGas Arbitrum post
- eth_getBlockByHash Arbitrum post
 - eth_getBlockByNumber Arbitrum post
 - eth_getTransactionByBlockNumberAndIndex Arbitrum post
 - eth_getTransactionByHash Arbitrum post
 - eth_getProof Arbitrum post
 - eth_getTransactionReceipt Arbitrum post
 - eth_getUncleByBlockHashAndIndex Arbitrum post
 - eth_getBlockReceipts Arbitrum post
 - eth_feeHistory Arbitrum post
 - eth_subscribe
 - eth_unsubscribe

Optimism

- Optimism API Quickstart
- Optimism SDK Examples
- Optimism API FAQ
 - Optimism Error Codes
- Optimism API Endpoints
- eth_call Optimism post
 - eth_estimateGas Optimism post
- eth_accounts Optimism post
- eth_blockNumber Optimism post
- eth_chainId Optimism post
- eth_gasPrice Optimism post
- eth_getBalance Optimism post
- eth_getBlockTransactionCountByHash Optimism post
- eth_getBlockTransactionCountByNumber Optimism post
- eth_getCode Optimism post
 - eth_getFilterChanges Optimism post

- eth_getFilterLogs Optimism post
- eth_getLogs Optimism post
- eth_getStorageAt Optimism post
- eth_getTransactionByBlockHashAndIndex Optimism post
- eth_getTransactionByBlockNumberAndIndex Optimism post
- eth_getTransactionByHash Optimism post
- eth_getTransactionCount Optimism post
- eth_getTransactionReceipt Optimism post
 - eth_getUncleByBlockHashAndIndex Optimism post
- eth_getUncleByBlockNumberAndIndex Optimism post
- eth_getUncleCountByBlockHash Optimism post
- eth_getUncleCountByBlockNumber Optimism post
- eth_newBlockFilter Optimism post
 - eth_newFilter Optimism post
 - eth_newPendingTransactionFilter Optimism post
- eth_protocolVersion Optimism post
 - eth_sendRawTransaction Optimism post
 - eth_syncing Optimism post
 - eth_uninstallFilter Optimism post
- net_listening Optimism post
- net_version Optimism post
- web3 clientVersion Optimism post
 - web3_sha3 Optimism post
- eth_getBlockByHash Optimism post
- eth_getBlockByNumber Optimism post
- eth_getProof Optimism post
- eth_getBlockReceipts Optimism post
 - eth_subscribe
 - eth unsubscribe

Base

- Base API Quickstart
- Base API FAQ
- Base API Endpoints
- eth_accounts Base post
 - eth_blockNumber Base post

- eth call Base post
- eth_chainId Base post
 - eth_estimateGas Base post
- eth_feeHistory Base post
- eth_gasPrice Base post
 - eth_getBalance Base post
- eth_getBlockByHash Base post
- eth_getBlockByNumber Base post
 - eth_getBlockTransactionCountByHash Base post
- eth_getBlockTransactionCountByNumber Base post
- eth_getCode Base post
 - eth_getFilterChanges Base post
- eth_getFilterLogs Base post
 - eth_getLogs Base post
- eth_getProof Base post
- eth_getStorageAt Base post
 - eth_getTransactionByBlockHashAndIndex Base post
 - eth_getTransactionByBlockNumberAndIndex Base post
 - eth_getTransactionByHash Base post
- eth_getTransactionCount Base post
- eth_getTransactionReceipt Base post
- eth_getUncleByBlockHashAndIndex Base post
 - eth_getUncleByBlockNumberAndIndex Base post
 - eth_getUncleCountByBlockHash Base post
- eth_getUncleCountByBlockNumber Base post
- eth_maxPriorityFeePerGas Base post
 - eth_newBlockFilter Base post
 - eth_newFilter Base post
- eth_newPendingTransactionFilter Base post
- eth_protocolVersion Base post
- eth_sendRawTransaction Base post
 - eth_syncing Base post
- eth_uninstallFilter Base post
- net_listening Base post

- web3_sha3 Base post
- eth_getBlockReceipts Base post

* Solana

- Solana API Quickstart
- Solana API FAQ
- Solana API Endpoints
- a a t A
 - getAccountInfo post
- •
- simulateTransaction post
- •
- getBalance post
- - getBlock post
- getBlockCommitment post
 - getBlockProduction post
- getBlocks post
- getBlocksWithLimit post
- getBlockTime post
- - getClusterNodes post
 - getEpochInfo post
 - getEpochSchedule post
- getFeeForMessage post
- getFirstAvailableBlock post
- getGenesisHash post
- getHealth post
- getHighestSnapshotSlot post
- getIdentity post
- getInflationGovernor post
- getInflationRate post
- getInflationReward post
- getLargestAccounts post
- getMaxRetransmitSlot post
 - getMaxShredInsertSlot post
- getMinimumBalanceForRentExemption post
- getMultipleAccounts post
- getProgramAccounts post
- •
- getRecentPerformanceSamples post
- getSignaturesForAddress post

- getSignatureStatuses postgetSlot post
 - getSlotLeader post
 - getSlotLeaders post
 - getSupply post
- getTokenAccountBalance post
- getTokenAccountsByOwner post
- getTokenSupply post
 - getTransaction post
- getVersion post
 - getVoteAccounts post
- isBlockhashValid post
- minimumLedgerSlot post
- sendTransaction post
 - requestAirdrop post
- getBlockHeight post
- getRecentBlockhash post
 - getRecentPrioritizationFees post

Astar

- Astar API Quickstart
- Astar API FAQ
- Astar API Endpoints
 - eth_accounts Astar post
 - eth_getTransactionReceipt Astar post
- eth_maxPriorityFeePerGas Astar post
 - eth_blockNumber Astar post
 - eth_call Astar post
- eth_chainId Astar post
 - eth_gasPrice Astar post
 - eth_getBalance Astar post
 - eth_getBlockByHash Astar post
- eth_getBlockByNumber Astar post
- eth_getBlockTransactionCountByHash Astar post
- eth_getBlockTransactionCountByNumber Astar post
 - eth_getCode Astar post

- eth_getStorageAt Astar post
- eth_getTransactionByBlockHashAndIndex Astar post
- eth_getTransactionByBlockNumberAndIndex Astar post
- eth_getTransactionByHash Astar post
 - eth_getTransactionCount Astar post
 - eth_getUncleByBlockNumberAndIndex Astar post
- eth_sendRawTransaction Astar post
- net version Astar post
 - web3_clientVersion Astar post
- web3 sha3 Astar post
- eth_getLogs Astar post
 - eth_getFilterChanges Astar post
 - eth_getFilterLogs Astar post
 - eth_newFilter Astar post
 - eth_newPendingTransactionFilter Astar post
- eth_uninstallFilter Astar post
- eth_newBlockFilter Astar post
 - eth_estimateGas Astar post
- eth_getBlockReceipts Astar post
- eth subscribe
- eth_unsubscribe

STARKNET

- Starknet API Quickstart
- Starknet API FAQ
- Starknet API Endpoints
 - starknet_addDeclareTransaction post
 - starknet_getClassAt post
- starknet_addDeployAccountTransaction post
- starknet_getClassHashAt post
 - starknet addInvokeTransaction post
 - starknet_getEvents post
- starknet_blockHashAndNumber post
- starknet_getNonce post
- starknet_blockNumber post
- .
- starknet_getStateUpdate post

- starknet_call post
- starknet_getStorageAt post
- starknet chainId post
- starknet_getTransactionByBlockIdAndIndex post
 - starknet_estimateFee post
 - starknet_getTransactionByHash post
- starknet_getBlockTransactionCount post
- starknet_getTransactionReceipt post
 - starknet_getBlockWithTxHashes post
 - starknet pendingTransactions post
- starknet_getBlockWithTxs post
- starknet_syncing post
- starknet_getClass post
 - starknet_estimateMessageFee post

zksync

- zkSync Era API Quickstart
- zkSync Era API FAQ
- zkSync Era API Endpoints
 - eth_accounts zkSync post
 - eth_blockNumber zkSync post
 - eth_call zkSync post
- eth_chainId zkSync post
- eth_createAccessList zkSync post
- eth_estimateGas zkSync post
- eth_feeHistory zkSync post
 - eth_gasPrice zkSync post
 - eth_getBalance zkSync post
- eth_getBlockByHash zkSync post
- eth_getBlockByNumber zkSync post
 - eth_getBlockTransactionCountByHash zkSync post
- eth_getBlockTransactionCountByNumber zkSync post
- eth_getCode zkSync post
- eth_getFilterChanges zkSync post
- eth_getFilterLogs zkSync post
- eth_getLogs zkSync post

- eth_getProof zkSync post
- eth_getStorageAt zkSync post
 - eth_getTransactionByBlockHashAndIndex zkSync post
- eth_getTransactionByBlockNumberAndIndex zkSync post
 - eth_getTransactionByHash zkSync post
 - eth_getTransactionCount zkSync post
 - eth_getTransactionReceipt zkSync post
- eth_getUncleByBlockHashAndIndex zkSync post
- eth_getUncleByBlockNumberAndIndex zkSync post
- eth_getUncleCountByBlockHash zkSync post
- eth_getUncleCountByBlockNumber zkSync post
- eth_maxPriorityFeePerGas zkSync post
- eth_newBlockFilter zkSync post
 - eth_newFilter zkSync post
 - eth_newPendingTransactionFilter zkSync post
- eth_protocolVersion zkSync post
- eth_sendRawTransaction zkSync post
 - eth_uninstallFilter zkSync post
 - net_listening zkSync post
 - net_version zkSync post
- web3_clientVersion zkSync post
- web3 sha3 zkSync post
 - zks_estimateFee zkSync post
 - zks_estimateGasL1ToL2 zkSync post
- zks_getAllAccountBalances zkSync post
- zks_getBlockDetails zkSync post
 - zks_getBridgeContracts zkSync post
 - zks_getBytecodeByHash zkSync post
- zks_getL1BatchBlockRange zkSync post
- zks_getL1BatchDetails zkSync post
- zks_getL2ToL1LogProof zkSync post
 - zks_getL2ToL1MsgProof zkSync post
- zks_getMainContract zkSync post
- zks getProof zkSync post

- zks_getRawBlockTransactions zkSync post
- zks_getTestnetPaymaster zkSync post
- zks_getTransactionDetails zkSync post
 - zks_L1BatchNumber zkSync post
 - zks_L1ChainId zkSync post
 - eth_getBlockReceipts zkSync post

AA13 initCode failed or OOG

The initCode failed to create the smart account. There are two possible reasons:

- 1. The
- 2. initCode
- 3. ran out of gas (OOG)
- 4. The
- 5. initCode
- 6. reverted during the account deployment process

Possible Solutions

- 1. Check the account has native token to pay for its deployment if you aren't using a paymaster.
- 2. Check that the factory address in the
- 3. initCode
- 4. is correct (the factory address is the first 20 bytes of the
- 5. initCode
- 6.).
- 7. Check that the
- 8. verificationGasLimit
- 9. is high enough for the
- 10. initCode
- 11. to complete without running out of gas.
- 12. If the
- 13. initCode
- 14. reverted, investigate why using tools likeTenderly
- 15.

Updated 2 days ago

AA10 sender already constructed AA14 initCode must return sender Did this page help you?Yes No