### 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

## **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 post
- trace\_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
- Factory Addresses
- Gas Manager Coverage API Quickstart
- Gas Manager Coverage API Endpoints
  - alchemy requestPaymasterAndData post
  - alchemy requestGasAndPaymasterAndData post
- Gas Manager Coverage API Fee Logic
- Gas Manager Deployment Addresses
- <u>UserOperation Simulation Endpoints</u>
  - alchemy simulateUserOperationAssetChanges post

- AA-SDK
- **Account Abstraction FAQ**

### **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 • hashMessage • isHexString • isValidName • joinSignature splitSignature • toUtf8Bytes <u>hexValue</u> • toUtf8String <u>hexZeroPad</u> • <u>zeroPad</u> hexlify • <u>id</u> isBytes • isBytesLike • Interface

- namehashparseEtherparseUnits
- 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
  - gotin

### **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\_getBlockReceipts 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
  - all and Dischelling Ethanson
- eth\_newBlockFilter Ethereum post
- eth\_newPendingTransactionFilter Ethereum post
- eth\_uninstallFilter 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\_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\_feeHistory 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\_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\_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
- otti\_drimotam iitor \_bacc pot

- net\_listening Base post
- web3\_sha3 Base post

### \* Solana

- Solana API Quickstart
- Solana API FAQ
- Solana API Endpoints
- •
- 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 post
- getSlot 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

### **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\_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

# sendTransaction - SDK

Submits transaction to the network to be mined. The transaction must be signed, and be valid (i.e. the nonce is correct and the account has sufficient balance to pay for the transaction).

#### All CSS

/ dont have api sec start/.api key instruct ban{ background: #F5FCFF; border: 1px solid rgba(207, 217, 240, 0.2); border-radius: 12px; -webkit-border-radius: 12px; display: flex; flex-wrap; wrap; padding: 33px; } .markdown-body h3 { color: #00000 limportant; } .api key instruct ban Ift h3{ font-size: 24px; line-height: 1.3; letter-spacing: -0.03em; font-weight: 700; font-family: 'Inter', sans-serif; margin-bottom: 7px; margin-top: 0px; color: #00000 limportant; } .api key instruct ban Ift h3:last-child{ margin-bottom: 0; } .api\_key\_instruct\_ban\_lft p{ font-size: 14px; line-height: 1.3; color: #000000; font-family: 'Inter', sans-serif; font-weight: 400; } .gt\_startd\_vbtn{ display: inline-block; color: #FFFFFF !important; background: lineargradient(126.33deg, #36BEFF 5.38%, #733FF1 108.32%); border-radius: 6px; font-size: 16px; line-height: 1.3; font-weight: 600; font-family: 'Inter', sans-serif; padding: 9px 16px; } .gt\_startd\_vbtn:hover{ background: #000; color: #fff; } .api key instruct ban lft{ flex-basis: 60%; max-width: 60%; padding-right: 15px; } .api key instruct ban rtt{ flex-basis: 40%; max-width: 40%; padding-left: 15px; align-self: center; \ / dont have api sec end/

```
/* ======= responsive css ======= */
@media(min-width:1025px) {}
@media(max-width:1199px) {
  .api_main {
    max-width: 100%;
  .api_main_cont ul li a {
    width: 100%:
  .left_icon .evm_part {
    width: 73%:
    margin: 22px auto auto auto;
  .api_main_cont ul li a {
    padding: 10px 18px:
    border-radius: 12px;
  .api_main_cont ul li a:hover::before {
    border-radius: 12px;
  .learn_box,
  .lear outer {
    height: 100%;
  .navbar-nav>li>a {
    font-size: 15px;
    padding: 8px 10px;
```

```
.top header links ul li a{
    font-size: 15px;
  .footer_links_box ul li a{
    font-size: 13px;
  /* dont_have_api_sec_start */
  .api_key_instruct_ban{
       display: block;
       text-align: center:
       background: linear-gradient(180deg, #EBF9FF 0%, #EEF3FE 100%);
     .api_key_instruct_ban_lft,.api_key_instruct_ban_rtt{
       padding: 0;
       flex-basis: 100%;
     .api_key_instruct_ban_lft{
       margin-bottom: 30px;
  /* dont_have_api_sec_end */
@media (max-width: 768px) {
    /* dont_have_api_sec_start */
     .api_key_instruct_ban_lft h3{
       font-size: 30px;
     .api_key_instruct_ban_lft p{
       font-size: 16px;
     .wrapper_body_cmn_out{
       max-width: 100%;
     .api_key_instruct_ban_lft h3 {
       font-size: 40px;
       margin-bottom: 16px;
    /* dont_have_api_sec_end */
@media (max-width: 350px){
  /* dont_have_api_sec_start */
  .api_key_instruct_ban_lft h3{
    font-size: 36px;
  .api_key_instruct_ban{
    padding: 30px;
    dont_have_api_sec_end */
```

whole\_Section\_wrapperdont\_have\_api\_sec\_start### Don't have an API key?

Start using this method in your app today. Get started for free dont\_have\_api\_sec\_end

# **Description**

Submits transaction to the network to be mined. The transaction must be signed, and valid (i.e. the nonce is correct and the account has sufficient balance to pay for the transaction).

# **Parameters**

Name Type Description signedTransaction string The signed transaction to send.

# Response

Property Type Description Promise object Returns the transaction response.

### **TransactionResponse**

. object parameters

Property Type Description hash string The transaction hash. from string 20 Bytes. The from address. blockNumber? number The block number where this log was in. null when its pending. null when its pending log. blockHash? string 32 Bytes - hash of the block where this log was in. null when its pending. null when its pending log. timestamp? number Optional . Returns only if a transaction has been mined. confirmations number number of transaction confirmations. raw string Raw value.

# **Example Request and Response**

Prerequisite: You will need to install the Alchemy SDK before making requests with it.

The commands for installing it using npm or yarn are given below:

npm yarn npm install alchemy-sdk yarn add alchemy-sdk

### Request

index.js // Imports the Alchemy SDK const {Alchemy ,Network ,Wallet ,Utils }= require ("alchemy-sdk" );const dotenv = require ("dotenv" );dotenv .config ();//Replace with your own private key const {PRIVATE\_KEY }= process .env ;// Configures the Alchemy SDK const config = {apiKey :"alchemy-replit" ,// Replace with your API key network :Network .ETH\_MAINNET ,// Replace with your network };// Creates an Alchemy object instance with the config to use for making requests const alchemy = new Alchemy (config );const wallet = new Wallet (PRIVATE\_KEY );const main = async ()=> {// define the transaction const transaction = {to :"0xa238b6008Bc2FBd9E386A5d4784511980cE504Cd" ,value :Utils .parseEther ("0.001" ),gasLimit :"21000" ,maxPriorityFeePerGas :Utils .parseUnits ("5" ,"gwei" ),maxFeePerGas :Utils .parseUnits ("20" ,"gwei" ),nonce :await alchemy .core .getTransactionCount (wallet .getAddress ()),type :2 ,chainId :5 ,// Corresponds to ETH\_GOERLI };const rawTransaction = await wallet .signTransaction (transaction );const response = await alchemy .transact .sendTransaction (rawTransaction )//Logging the response to the console console .log (response ) }main ();

### Response

Shell { value: { to:'0xa238b6008Bc2FBd9E386A5d4784511980cE504Cd' , value: BigNumber { \_hex:'0x038d7ea4c68000' , \_isBigNumber:true }, gasLimit:'21000' , maxPriorityFeePerGas: BigNumber { \_hex:'0x012a05f200' , \_isBigNumber:true }, maxFeePerGas: BigNumber { \_hex:'0x04a817c800' , \_isBigNumber:true }, type:2 , chainId:5 } }

#### Code Sandbox

You can test out the sendTransaction method using the code sandbox below:

# **Use Cases**

Here are some potential use cases for the sendTransaction method:

- Sending ETH
- :
- sendTransaction
- can be used to send Ether from one Ethereum address to another. This is one of the most common use cases for sendTransaction.
- · Deploying a smart contract
- : When you deploy a smart contract to the Ethereum blockchain, you need to send a transaction that includes the bytecode of the contract.
- sendTransaction
- can be used to send this transaction.
- · Interacting with a smart contract
- : Once a smart contract has been deployed, you can interact with it by sending transactions that call its functions.
- sendTransaction
- · can be used to send these transactions.
- Token transfers
- : Tokens on the Ethereum blockchain are often built using smart contracts.
- sendTransaction
- can be used to transfer tokens from one Ethereum address to another.

# **Related Methods**

Here are the methods related to sendTransaction :

- <u>sendPrivateTransaction</u>
- : Used to send a single transaction to Flashbots. Flashbots will attempt to send the transaction to miners for the next 25 blocks.

Updated 5 months ago

traceCall - SDK updateWebhook - SDK Did this page help you?Yes No