## 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
  - <u>alchemy\_getTokenBalances post</u>
- 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
- <u>Direct Database Access</u>
- 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
- 7 Madress Motivity Westion

- 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
- \_\_\_
- <u>trace\_filter post</u>
   <u>Trace API Resources</u>
- - 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
- **UserOperation Simulation Endpoints**

- 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 <u>hexDataLength</u> • formatEther • hexDataSlice • <u>hexStripZeros</u> • <u>hashMessage</u> • isHexString • isValidName • joinSignature • splitSignature • toUtf8Bytes • hexValue • toUtf8String hexZeroPad 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
- ∘ <u>send SDK</u>
- getTransactionReceipts SDK

• getTransactionReceipt - 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 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
- 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 • <u>zkevm\_virtualBatchNumber - Polygon zkEVM post</u> • 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
- Other Page Po
  - 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

#### \* 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 • <a href="mailto:eth\_getBlockTransactionCountByHash">eth\_getBlockTransactionCountByHash</a> - 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
- <u>starkfiet\_perioling fransactions pos</u>
- starknet\_getBlockWithTxs post
- starknet syncing post
  - starknet getClass post
  - starknet estimateMessageFee post

# eth\_estimateUserOperationGas

post https://{network}.g.alchemy.com/v2/{apiKey} Estimates the gas values for a UserOperation .

#### NOTE

This endpoint does not require a valid signature field in userOperation . It just requires a dummy signature for gas estimation. You can use the dummy signature mentioned below when the sender account is <u>LightAccount</u> or SimpleAccount:

## **Network Support**

Chain Mainnet Testnet Ethereum Polygon Arbitrum Optimism Base

Path Params apiKey string required .custom-style { color: #048FF4; } For higher throughput, create your own API key Body Params id integer jsonrpc string method string params array 1. Object - TheUserOperation 2. object (gas limits and prices are optional) 3. String - Theentrypoint 4. address the request should be sent through. This MUST be one of the entry points returned by the supportedEntryPoints rpc call.

NOTE: You'll see two of each parameters below, this has to do with OpenAPI formatting. To test the request, please fill in the User Operation field in the first box and the Entrypoint Address in the second box. params User Operation Entrypoint Address User Operation Entrypoint Address

Response

# 200

Successful response

Response body object id integer jsonrpc string result object preVerificationGas integer Gas overhead of this UserOperation verificationGasLimit integer Actual gas used by the validation of this UserOperation callGasLimit integer Value used by inner account execution

Updated 2 months ago

rundler maxPriorityFeePerGas Bundler API Fee Logic Did this page help you?Yes No