Introduction

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

Pricing & Resources

- Pricing
- - Compute Units
- - Compute Unit Costs
- Pricing FAQ
- - Pay As You Go Pricing FAQ
- - New Pricing for Existing Scale and Growth Customers
- Resources
- - Feature Support By Chain
- - Throughput
- - Batch Requests
- - Gas Limits
- - Error Reference

Alchemy Rollups

- Rollups Quickstart
- Supported Stacks
- Bridge Contract Address Quickstart

Embedded Accounts

- Quickstart
- Try demo
- Account Kit Docs
- Accounts API Endpoints
- - Create Account post
- - Send Auth Email post
- - Authenticate User post
- - Get User post
- - Sign Message post
- - Register New Authenticator post

BUNDLER API

- Supported Chains
- 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
- UserOperation Simulation Endpoints
-
    - alchemy_simulateUserOperationAssetChanges post
- EntryPoint v0.6 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
- EntryPoint v0.7 Revert Codes

- Factory Addresses
- FAQs

Gas Manager Admin API

- Supported Chains
- Gas Manager Coverage API Quickstart
- Gas Manager Coverage API Endpoints
  - alchemy_requestPaymasterAndData post
  - alchemy_requestGasAndPaymasterAndData post
  - pm_getPaymasterData post
  - pm_getPaymasterStubData post
- 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
- Gas Manager Coverage API Fee Logic & Usage Limits
- Gas Manager Errors
- Gas Manager Deployment Addresses

NFT API

- NFT API Quickstart
- NFT API Endpoints Overview
- NFT API FAQ
- NFT Ownership Endpoints
  - NFTs By Owner get
  - Owners By NFT get
  - Owners By Contract get
  - Is Holder Of Contract get
  - Contracts By Owner get
  - Collections By Owner get
- NFT Metadata Endpoints
  - NFTs By Contract get
  - NFTs By Collection get
  - NFT Metadata By Token ID get
  - NFT Metadata By Token ID [Batch] post
  - Contract Metadata By Address get

- Collection Metadata By Slug get
- Invalidate Contract Cache get
- Contract Metadata By Address [Batch] post
- Attributes Summary By Contract get
- Search Contract Metadata get
- Attribute Rarity By NFT get
- Refresh NFT Metadata post

- NFT Spam Endpoints
  - Spam Contracts get
  - Is Spam Contract get
  - Is Airdrop NFT get
  - Report Spam Address get
- NFT Sales Endpoints
  - Floor Prices By Slug get
  - NFT Sales 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
  - Token Balances By Wallet post
  - Token Metadata By Contract post
  - Token Allowance By Spender & Owner post

Prices API

- Prices API Quickstart
- Prices API FAQ
- Prices API Endpoints
  - Token Prices By Symbol get
  - Token Prices By Address post
  - Historical Token Prices 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

- Webhooks API Quickstart
  - Webhooks Tutorials and Applications
  - Webhooks 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
  - debug_getRawBlock post
  - debug_getRawHeader post
  - debug_getRawReceipts post

Alchemy Transact

- Transact Quickstart
- 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
-
    - hexValue
-
    - toUtf8String
-
    - hexZeroPad
-
    - zeroPad
-
    - hexlify
-
    - id
-
    - 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

OP Mainnet

- OP Mainnet API Quickstart
  - Optimism SDK Examples
- OP Mainnet API FAQ
  - Optimism Error Codes
- OP Mainnet 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
- 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
- getSlot post
- getSlotLeader post
- getSlotLeaders post
- getSupply post
- getVersion post
- getVoteAccounts post
- minimumLedgerSlot post

- requestAirdrop post
- getBlockHeight post
- getSignaturesForAddress post
- getSignatureStatuses post
- getTokenAccountBalance post
- getTokenAccountsByOwner post
- getTokenSupply post
- getTransaction post
- isBlockhashValid post
- sendTransaction post
- getRecentBlockhash post
- getRecentPrioritizationFees post
- getLatestBlockhash 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
- starknet_getBlockWithReceipts 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_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

BNB SMART CHAIN (PAID TIERS)

- BNB Smart Chain Quickstart
- BNB Smart Chain FAQ
- BNB Smart Chain Endpoints
- eth_blockNumber - BNB post
- eth_call - BNB post
- eth_chainId - BNB post
- eth_estimateGas - BNB post
- eth_gasPrice - BNB post
- eth_getBalance - BNB post
- eth_getBlockByHash - BNB post
- eth_getBlockByNumber - BNB post
- eth_getBlockTransactionCountByHash - BNB post
- eth_getBlockTransactionCountByNumber - BNB post
- eth_getCode - BNB post
- eth_getLogs - BNB post
- eth_getProof - BNB post
- eth_getStorageAt - BNB post
- eth_getTransactionByBlockHashAndIndex - BNB post
- eth_getTransactionByBlockNumberAndIndex - BNB post
- eth_getTransactionByHash - BNB post
- eth_getTransactionCount - BNB post
- eth_getTransactionReceipt - BNB post
- eth_getUncleByBlockHashAndIndex - BNB post
- eth_getUncleByBlockNumberAndIndex - BNB post
- eth_getUncleCountByBlockHash - BNB post
- eth_getUncleCountByBlockNumber - BNB post
- eth_sendRawTransaction - BNB post
- net_listening - BNB post
- net_peerCount - BNB post
- net_version - BNB post
- web3_clientVersion - BNB post
- web3_sha3 - BNB post

GNOSIS (Paid Tier)

- Gnosis Chain API Quickstart
- Gnosis Chain API FAQ
- Gnosis Chain API Endpoints

Avalanche C-Chain (PAID TIERS)

- Avalanche C-Chain API Quickstart
- Avalanche C-Chain API FAQ
- Avalanche C-Chain API Endpoints

Arbitrum Nova

- Arbitrum Nova Chain API Quickstart
- Arbitrum Nova Chain API FAQ
- Arbitrum Nova Chain API Endpoints

ZetaChain

- ZetaChain API Quickstart
- ZetaChain API FAQ
- Zetachain API Endpoints

Blast

- Blast Chain API Quickstart
- Blast Chain API FAQ
- Blast Chain API Endpoints

Scroll

- Scroll Chain API Quickstart
- Scroll Chain API FAQ
- Scroll Chain API Endpoints

• Linea

- Linea Chain API Quickstart
- Linea Chain API FAQ
- Linea Chain API Endpoints

■ Mantle

- Mantle Chain API Quickstart
- Mantle Chain API FAQ
- Mantle Chain API Endpoints

Berachain

- Berachain API Quickstart
- Berachain API FAQ
- Berachain API Endpoints

METIS (Paid Tiers)

- Metis Chain API Quickstart
- Metis Chain API FAQ
- Metis Chain API Endpoints

Sonic

- Sonic Chain API Quickstart
- Sonic Chain API FAQ
- Sonic Chain API Endpoints

❇ Flow

- Flow API Quickstart
- Flow API FAQ
- Flow API Endpoints

CrossFi

- CrossFi API Quickstart
- CrossFi API FAQ
- CrossFi API Endpoints

Soneium

- Soneium API Quickstart
- Soneium API FAQ
- Soneium API Endpoints

Unichain

- Unichain API Quickstart
- Unichain API FAQ
- Unichain API Endpoints

■ World Chain

- World Chain API Quickstart
- World Chain API FAQ
- World Chain API Endpoints

Rootstock

- Rootstock API Quickstart
- Rootstock API FAQ
- Rootstock API Endpoints

● Shape

- Shape API Quickstart
- Shape API FAQ
- Shape API Endpoints

Apechain

- ApeChain API Quickstart
- ApeChain API FAQ
- ApeChain API Endpoints

Geist

- Geist API Quickstart
- Geist API FAQ
- Geist API Endpoints

♠ Lens

- Lens API Quickstart
- Lens API FAQ
- Lens API Endpoints

✳ Abstract

- Abstract API Quickstart

- Abstract API FAQ
- Abstract API Endpoints

opBNB (Paid Tier)

- opBNB Chain API Quickstart
- opBNB Chain API FAQ
- opBNB Chain API Endpoints

☮ Ink

- Ink API Quickstart
- Ink API FAQ
- Ink API Endpoints

Lumia

- Lumia API Quickstart
- Lumia API FAQ
- Lumia API Endpoints

Prices API Quickstart

A new developer's guide to fetching current and historical token prices via the Prices API.

This guide will help you fetch token prices via the Prices API.

Whether you're building a DeFi protocol, portfolio tracker, or analytics tool, the Prices API provides simple endpoints for current and historical prices.

Endpoints

The Prices API includes the following REST endpoints:

Endpoint How It Works When to UseToken Prices By Symbol Combines prices from centralized (CEX) and decentralized (DEX) exchanges for each symbol. Use this when you need a current price overview of a token across all supported chains and exchanges. Token Prices By Address Combines prices from DEXes for each contract address and network. Use this when you need the current price of a specific token on a particular blockchain network. Historical Prices By Symbol Or Address Fetches past price data by symbol or address. Use this when you require historical price data for creating charts or performing analysis.

Getting Started

Via Alchemy SDK

TheAlchemy SDK provides a convenient and fully featured way to interact with Alchemy's APIs, including the Prices API.

Installation

Install the alchemy-sdk package using npm or yarn :

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

Usage

Create a new JavaScript file (e.g., prices-alchemy-sdk-script.js) and add one of the following snippets depending on which endpoint you want to call.

By Symbol By Address // prices-alchemy-sdk-script.js import {Alchemy }from "alchemy-sdk" ;// Replace with your Alchemy API key: const apiKey = "demo" ;const alchemy = new Alchemy ({apiKey });// Define the symbols you want to fetch prices for. const symbols = ["ETH" ,"BTC" ,"USDT"];alchemy .prices .getTokenPriceBySymbol (symbols) .then (data => {console .log ("Token Prices By Symbol:");console .log (JSON .stringify (data ,null ,2)); }) .catch (error => console .error ("Error:" ,error)); // prices-alchemy-sdk-script.js import {Alchemy }from "alchemy-sdk" ;// Replace with your Alchemy API key: const

apiKey = "demo" ;const alchemy = new Alchemy ({apiKey });// Define the network and contract addresses you want to fetch prices for. const addresses = [{network :"eth-mainnet" ,address :"0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48" // USDC }, {network :"eth-mainnet" ,address :"0xdac17f958d2ee523a2206206994597c13d831ec7" // USDT }];alchemy .prices .getTokenPriceByAddress (addresses) .then (data => {console .log ("Token Prices By Address:");console .log (JSON .stringify (data ,null ,2)); }) .catch (error => console .error ("Error:" ,error));

Running the Script

Execute the script from your command line:

Bash node prices-alchemy-sdk-script.js Expected Output:

JSON {"data" : [{"symbol" :"ETH" ,"prices" : [{"currency" :"USD" ,"value" :"3000.00" ,"lastUpdatedAt" :"2024-04-27T12:34:56Z" }],"error" :null }, {"symbol" :"BTC" ,"prices" : [{"currency" :"USD" ,"value" :"45000.00" ,"lastUpdatedAt" :"2024-04-27T12:34:56Z" }],"error" :null }, {"symbol" :"USDT" ,"prices" : [{"currency" :"USD" ,"value" :"1.00" ,"lastUpdatedAt" :"2024-04-27T12:34:56Z" }],"error" :null }] }

Via Node Fetch

node-fetch is a lightweight option for making HTTP requests with Javascript.

Installation

Install the node-fetch package using npm or yarn :

npm yarn npm install node-fetch yarn add node-fetch

Usage

Create a new JavaScript file (e.g., prices-fetch-script.js) and add the following code.

By Symbol By Address // prices-fetch-script.js import fetch from 'node-fetch' ;// Replace with your Alchemy API key: const apiKey = "YOUR_ALCHEMY_API_KEY" ;const fetchURL = https://api.g.alchemy.com/prices/v1{ apiKey }/tokens/by-symbol ;// Define the symbols you want to fetch prices for. const symbols = ["ETH" ,"BTC" ,"USDT"];const params = new URLSearchParams ();symbols .forEach (symbol => params .append ('symbols' ,symbol));const urlWithParams = { fetchURL }?{ params .toString ()} ;const requestOptions = {method :'GET' ,headers : {'Content-Type' :'application/json' , }, };fetch (urlWithParams ,requestOptions) .then (response => response .json ()) .then (data => {console .log ("Token Prices By Symbol:");console .log (JSON .stringify (data ,null ,2)); }) .catch (error => console .error ('Error:' ,error)); // prices-fetch-script.js import fetch from 'node-fetch' ;// Replace with your Alchemy API key: const apiKey = "YOUR_ALCHEMY_API_KEY" ;const fetchURL = https://api.g.alchemy.com/prices/v1{ apiKey }/tokens/by-address ;// Define the network and contract addresses you want to fetch prices for. const requestBody = {addresses : [{network :"eth-mainnet" ,address :"0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48" // USDC }, {network :"eth-mainnet" ,address :"0xdac17f958d2ee523a2206206994597c13d831ec7" // USDT }] };const requestOptions = {method :'POST' ,headers : {'Content-Type' :'application/json' ,'Authorization' :Bearer { apiKey } , },body :JSON .stringify (requestBody), };fetch (fetchURL ,requestOptions) .then (response => response .json ()) .then (data => {console .log ("Token Prices By Address:");console .log (JSON .stringify (data ,null ,2)); }) .catch (error => console .error ('Error:' ,error));

Running the Script

Execute the script from your command line:

Bash node prices-fetch-script.js Expected Output:

JSON {"data" : [{"symbol" :"ETH" ,"prices" : [{"currency" :"USD" ,"value" :"3000.00" ,"lastUpdatedAt" :"2024-04-27T12:34:56Z" }],"error" :null }, {"symbol" :"BTC" ,"prices" : [{"currency" :"USD" ,"value" :"45000.00" ,"lastUpdatedAt" :"2024-04-27T12:34:56Z" }],"error" :null }, {"symbol" :"USDT" ,"prices" : [{"currency" :"USD" ,"value" :"1.00" ,"lastUpdatedAt" :"2024-04-27T12:34:56Z" }],"error" :null }] }

API Reference

For more details on the available Prices API methods, check out the docs:

[docs.alchemy.com Prices API Endpoints]

Updated 29 days ago

What’s Next

- Prices API Endpoints Did this page help you?Yes No