### 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
- NFT Ownership Endpoints
- getNFTsForOwner get
  - getOwnersForNFT get
- getOwnersForContract get
- isHolderOfContract get
- getContractsForOwner get
- getCollectionsForOwner get
- NFT Metadata Endpoints
  - getNFTMetadata get
- summarizeNFTAttributes get
- getNFTMetadataBatch post
- computeRarity get

  - getContractMetadata get
- getCollectionMetadata get
- invalidateContract get
- getContractMetadataBatch post
  - getNFTsForContract get
- getNFTsForCollection get

- searchContractMetadata get
- refreshNftMetadata post
- NFT Spam Endpoints
  - getSpamContracts get
    - isSpamContract get
    - isAirdropNFT get
- reportSpam get
- NFT Sales Endpoints
  - 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

## **Prices API**

- **Prices API Endpoints** 
  - Token Prices By Symbol get
  - Token Prices By Address post

# **Alchemy Rollups**

- Rollups Quickstart
- **Supported Stacks**

## **Subgraphs**

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

#### Webhooks

- 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

### **Websockets**

Subscription API Quickstart

NFT Activity Webhook

Best Practices for Using WebSockets in Web3

NFT Metadata Updates Webhook

- Subscription API Endpoints
  - alchemy minedTransactions
  - alchemy\_pendingTransactions
  - newPendingTransactions
- <u>newHeads</u>

#### **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

## **ACCOUNT ABSTRACTION**

- Account Kit
- 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** Gas Manager Coverage API Quickstart Gas Manager Coverage API Endpoints alchemy\_requestPaymasterAndData post alchemy requestGasAndPaymasterAndData post pm\_getPaymasterData post pm getPaymasterStubData post Gas Manager Coverage API Fee Logic & Usage Limits Gas Manager Errors Gas Manager Deployment Addresses **UserOperation Simulation Endpoints**  <u>alchemy\_simulateUserOperationAssetChanges\_post</u> **EntryPoint Revert Codes**  AA10 sender already constructed AA13 initCode failed or OOG AA14 initCode must return sender AA15 initCode must create sender AA20 account not deployed AA21 Didn't pay prefund AA22 expired or not due AA23 reverted (or OOG) AA24 signature error AA25 Invalid account nonce AA30 paymaster not deployed AA31 paymaster deposit too low AA32 Paymaster expired or not due AA33 reverted (or OOG) AA34 Signature Error • AA40 over verificationGasLimit AA41 too little verificationGas

AA50 postOp reverted

AA90 invalid beneficiary

AA51 prefund below actualGasCost

AA91 failed send to beneficiary

- AA92 internal call only
  - AA93 invalid paymasterAndData
- AA94 gas values overflow
- AA95 out of gas
- AA96 invalid aggregator
- Factory Addresses
- FAQs

### **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\_simulateExecutionBundle post

alchemy\_simulateExecution 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

getSpamContracts -SDK

• isSpamContract - SDK

refreshContract - SDK

getFloorPrice - SDK

computeRarity - SDK

getTransaction - SDK

• sendTransaction - SDK

sendPrivateTransaction - SDK

• cancelPrivateTransaction - SDK

• getMaxPriorityFeePerGas - SDK

waitForTransaction - SDK

estimateGas - SDK

**SDK Transact Methods** 

verifyNftOwnership - SDK

• getOwnersForContract - SDK

getContractsForOwner - 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 • <u>id</u> isBytes • isBytesLike Interface • namehash parseEther parseUnits • stripZeros Alchemy SDK V2 to V3 Migration Guide Alchemy SDK V2 vs. V3 Method Differences SDK V2 Methods • call - SDK • getAssetTransfers - SDK getMintedNfts - SDK verifyNftOwnership - SDK getOwnersForNft - SDK computeRarity - SDK • getTransfersForContract - SDK • getNftsForOwner - SDK • refreshContract - SDK • getOwnersForContract - SDK • getFloorPrice - SDK • isSpamContract - SDK findContractDeployer -SDK getSpamContracts - SDK getGasPrice - SDK • getBalance - SDK getBlock -SDK • getBlockWithTransactions - SDK • estimateGas - SDK • getBlockNumber - SDK getCode - SDK • getFeeData - SDK getLogs - SDK

- getNftMetadataBatch SDK
- getTokensForOwner SDK
- getStorageAt SDK
- getTokenBalances SDK
- getTransactionCount SDK
- getTokenMetadata SDK
- getTransactionReceipt SDK
- send SDK
  - getTransactionReceipts SDK
- getTransaction SDK
- isContractAddress SDK
  - getNftMetadata SDK
  - getNftSales SDK
    - cancelPrivateTransaction SDK
- sendPrivateTransaction SDK
- traceTransaction SDK
- simulateExecutionBundle SDK
  - simulateExecution SDK
- getMaxPriorityFeePerGas SDK
- simulateAssetChangesBundle SDK
- estimateGas SDK
- simulateAssetChanges SDK
  - traceBlock SDK
- waitForTransaction SDK
- traceCall SDK
- sendTransaction SDK
- updateWebhook SDK
- refreshNftMetadata -SDK
- createWebhook SDK
- getNftFilters SDK
- getAddresses SDK
  - summarizeNftAttributes SDK
  - deleteWebhook SDK
- searchContractMetadata SDK
- <del>odaronooniradiwotadata o</del>

- getAllWebhooks SDK
- getNftsForOwnerIterator SDK
- getNftsForContractIterator -SDK
- getContractMetadata SDK
  - getTransfersForOwner SDK
  - getNftsForContract SDK

#### **Ethereum**

- Ethereum API Quickstart
- Ethereum API FAQ
  - Ethereum Developer Guide to the Merge
  - How to decode an eth\_call response
    - How do I distinguish between a contract address and a wallet address?
- Ethereum API Endpoints
  - eth blockNumber Ethereum post
  - eth\_getBalance Ethereum post
- eth\_getLogs Ethereum post
  - eth\_chainId Ethereum post
  - eth\_getBlockByNumber Ethereum post
- eth\_accounts Ethereum post
- eth\_feeHistory Ethereum post
  - eth\_estimateGas Ethereum post
- eth\_gasPrice Ethereum post
- eth\_getBlockTransactionCountByHash Ethereum post
- eth\_getBlockTransactionCountByNumber Ethereum post
- eth\_getCode Ethereum post
- eth\_getProof Ethereum post
- eth\_getStorageAt Ethereum post
- eth\_getTransactionByBlockHashAndIndex Ethereum post
- eth\_getTransactionByHash Ethereum post
  - eth\_getTransactionCount Ethereum post
- eth\_getTransactionReceipt Ethereum post
- eth\_getUncleByBlockHashAndIndex Ethereum post
- eth\_getUncleByBlockNumberAndIndex Ethereum post
- eth\_getUncleCountByBlockHash Ethereum post
  - eth\_getUncleCountByBlockNumber Ethereum post

- eth maxPriorityFeePerGas Ethereum post
- eth\_protocolVersion Ethereum post
- eth\_sendRawTransaction Ethereum post
- · net\_listening Ethereum post
- net\_version Ethereum post
- web3\_clientVersion Ethereum post
- web3\_sha3 Ethereum post
- eth\_getTransactionByBlockNumberAndIndex Ethereum post
  - · eth\_call Ethereum post
- eth\_getBlockByHash Ethereum post
- eth\_createAccessList Ethereum post
  - eth\_newFilter Ethereum post
- · eth\_getFilterChanges Ethereum post
  - eth\_getFilterLogs Ethereum post
  - eth\_newBlockFilter Ethereum post
- eth\_newPendingTransactionFilter Ethereum post
- eth\_uninstallFilter Ethereum post
  - · eth\_getBlockReceipts Ethereum post
  - eth subscribe
  - eth unsubscribe

# **Polygon PoS**

- Polygon PoS API Quickstart
- Polygon SDK Examples
- Polygon PoS API FAQ
- Polygon PoS API Endpoints
  - bor getAuthor Polygon PoS post
  - bor\_getCurrentProposer Polygon PoS post
- bor\_getCurrentValidators Polygon PoS post
  - bor\_getRootHash Polygon PoS post
  - eth\_accounts Polygon PoS post
  - eth\_call Polygon PoS post
- eth\_chainId Polygon PoS post
- eth estimateGas Polygon PoS post
- eth\_gasPrice Polygon PoS post
- eth getBalance Polygon PoS post

- eth\_getBlockByHash Polygon PoS post
- eth\_getBlockByNumber Polygon PoS post
  - eth\_getBlockTransactionCountByHash Polygon PoS post
- eth\_getBlockTransactionCountByNumber Polygon PoS post
  - eth\_getCode Polygon PoS post
- eth\_getFilterChanges Polygon PoS post
- eth\_getFilterLogs Polygon PoS post
- eth\_getLogs Polygon PoS post
  - eth\_getRootHash Polygon PoS post
  - eth getSignersAtHash Polygon PoS post
- eth\_getStorageAt Polygon PoS post
  - eth\_getTransactionByBlockHashAndIndex Polygon PoS post
- eth\_getTransactionByBlockNumberAndIndex Polygon PoS post
  - eth\_getTransactionByHash Polygon PoS post
  - eth\_getTransactionCount Polygon PoS post
- eth\_getTransactionReceipt Polygon PoS post
- eth\_getTransactionReceiptsByBlock Polygon PoS post
  - eth\_sendRawTransaction Polygon PoS post
  - eth\_uninstallFilter Polygon PoS post
- net\_listening Polygon PoS post
- eth\_getUncleCountByBlockHash Polygon PoS post
- eth\_getUncleCountByBlockNumber Polygon PoS post
  - eth\_newBlockFilter Polygon PoS post
  - eth\_newFilter Polygon PoS post
- eth\_newPendingTransactionFilter Polygon PoS post
- web3\_clientVersion Polygon PoS post
  - eth\_createAccessList Polygon PoS post
  - eth\_blockNumber Polygon PoS post
  - bor\_getSignersAtHash Polygon PoS post
- net\_version Polygon PoS post
- eth\_getProof Polygon PoS post
  - eth\_getUncleByBlockNumberAndIndex Polygon PoS post
  - eth\_maxPriorityFeePerGas Polygon PoS post
- eth\_getBlockReceipts Polygon PoS post
- \_

- eth\_subscribe Polygon PoS
- eth\_unsubscribe Polygon PoS

### Polygon zkEVM

- Polygon zkEVM API Quickstart
- Polygon zkEVM API FAQ
  - What is the difference between Polygon zkEVM and Ethereum?
  - What is the difference between Polygon zkEVM and Polygon PoS?
- Polygon zkEVM Endpoints
  - eth\_getTransactionCount Polygon zkEVM post
  - eth\_call Polygon zkEVM post
    - eth\_chainId Polygon zkEVM post
    - eth\_newBlockFilter Polygon zkEVM post
    - eth\_estimateGas Polygon zkEVM post
- eth\_newFilter Polygon zkEVM post
- eth\_gasPrice Polygon zkEVM post
- eth\_sendRawTransaction Polygon zkEVM post
  - eth\_getBalance Polygon zkEVM post
  - eth\_uninstallFilter Polygon zkEVM post
- eth\_getBlockByHash Polygon zkEVM post
- net\_version Polygon zkEVM post
- eth\_getBlockByNumber Polygon zkEVM post
- web3\_clientVersion Polygon zkEVM post
- eth\_getBlockTransactionCountByHash Polygon zkEVM post
  - eth\_getBlockTransactionCountByNumber Polygon zkEVM post
- zkevm\_batchNumber Polygon zkEVM post
- eth\_getCode Polygon zkEVM post
- eth\_getFilterChanges Polygon zkEVM post
- eth\_getFilterLogs Polygon zkEVM post
- zkevm\_getBatchByNumber Polygon zkEVM post
  - eth\_getLogs Polygon zkEVM post
  - zkevm\_getBroadcastURI Polygon zkEVM post
- eth\_getStorageAt Polygon zkEVM post
- zkevm\_isBlockConsolidated Polygon zkEVM post
- eth\_getTransactionByBlockHashAndIndex Polygon zkEVM post
  - zkevm\_isBlockVirtualized Polygon zkEVM post

- eth\_getTransactionByBlockNumberAndIndex Polygon zkEVM post
- zkevm\_verifiedBatchNumber Polygon zkEVM post
  - eth\_getTransactionByHash Polygon zkEVM post
  - zkevm\_virtualBatchNumber Polygon zkEVM post
  - eth\_getCompilers Polygon zkEVM post
  - eth\_getUncleByBlockHashAndIndex Polygon zkEVM post
- eth\_getUncleByBlockNumberAndIndex Polygon zkEVM post
  - eth\_getUncleCountByBlockHash Polygon zkEVM post
  - eth\_getUncleCountByBlockNumber Polygon zkEVM post
  - eth protocolVersion Polygon zkEVM post
  - eth blockNumber Polygon zkEVM post
  - eth\_getTransactionReceipt Polygon zkEVM post
  - zkevm\_batchNumberByBlockNumber Polygon zkEVM post
  - zkevm\_consolidatedBlockNumber Polygon zkEVM post
  - zkevm\_estimateFee API Polygon zkEVM post
  - zkevm\_estimateGasPrice API Polygon zkEVM post

#### **Arbitrum**

- Arbitrum API Quickstart
- Arbitrum SDK Examples
- Arbitrum API FAQ
- Arbitrum vs. Ethereum API Differences
- Arbitrum API Endpoints
  - eth\_call Arbitrum post
  - eth\_estimateGas Arbitrum post
- eth\_accounts Arbitrum post
- eth blockNumber Arbitrum post
- eth\_chainId Arbitrum post
- eth\_gasPrice Arbitrum post
  - eth getBalance Arbitrum post
  - eth\_getBlockTransactionCountByHash Arbitrum post
  - eth\_getBlockTransactionCountByNumber Arbitrum post
- eth\_getCode Arbitrum post
- eth\_getFilterChanges Arbitrum post
- eth\_getFilterLogs Arbitrum post
  - eth\_getLogs Arbitrum post

- eth\_getStorageAt Arbitrum post
- eth\_getTransactionByBlockHashAndIndex Arbitrum post
- eth\_getTransactionCount Arbitrum post
- eth\_getUncleByBlockNumberAndIndex Arbitrum post
  - eth\_getUncleCountByBlockHash Arbitrum post
  - eth\_getUncleCountByBlockNumber Arbitrum post
- eth\_newBlockFilter Arbitrum post
- eth newFilter Arbitrum post
  - eth\_newPendingTransactionFilter Arbitrum post
- eth\_uninstallFilter Arbitrum post
- net\_listening Arbitrum post
- net\_version Arbitrum post
- web3\_clientVersion Arbitrum post
- web3\_sha3 Arbitrum post
- eth\_sendRawTransaction Arbitrum post
- eth\_createAccessList Arbitrum post
- eth\_maxPriorityFeePerGas Arbitrum post
  - eth\_getBlockByHash Arbitrum post
  - eth\_getBlockByNumber Arbitrum post
- eth\_getTransactionByBlockNumberAndIndex Arbitrum post
- eth\_getTransactionByHash Arbitrum post
- eth\_getProof Arbitrum post
- eth\_getTransactionReceipt Arbitrum post
- eth\_getUncleByBlockHashAndIndex Arbitrum post
- eth\_getBlockReceipts Arbitrum post
- eth\_feeHistory Arbitrum post
- eth\_subscribe
  - eth\_unsubscribe

### **Optimism**

- Optimism API Quickstart
- Optimism SDK Examples
- Optimism API FAQ
  - Optimism Error Codes
- Optimism API Endpoints
- eth call Optimism post

- eth\_estimateGas Optimism post
- eth\_accounts Optimism post
- eth\_blockNumber Optimism post
- eth\_chainId Optimism post
  - eth\_gasPrice Optimism post
  - eth\_getBalance Optimism post
- eth\_getBlockTransactionCountByHash Optimism post
- eth\_getBlockTransactionCountByNumber Optimism post
  - eth\_getCode Optimism post
  - eth\_getFilterChanges Optimism post
- eth\_getFilterLogs Optimism post
- <u>on gon moreogo opinnom poc</u>
- 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
- gotbiootbyriaen optimen pol

- 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
- M D : 1101 : .
- 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
- - 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
- <u>ERO\_GOMMAROF GO EROYNO POO</u>

- 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

### **Fantom Opera**

- Fantom Opera Chain API Quickstart
- Fantom Opera Chain API FAQ
- Fantom Opera 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

# opBNB (Paid Tier)

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

# **Blast Chain API Quickstart**

Get started building on Blast and using the JSON-RPC API

To use the Blast Chain API you'll need to reate a free Alchemy account first!

#### Introduction

Blast is an EVM-compatible blockchain designed to provide high performance and scalability for decentralized applications (dApps). Known for its efficient and secure transaction processing, Blast offers a robust environment for deploying Ethereum-based applications.

#### What is the Blast Chain API?

The Blast Chain API facilitates interaction with the Blast network through a collection of JSON-RPC methods. Given its compatibility with the Ethereum ecosystem, developers familiar with Ethereum's JSON-RPC APIs will find working with Blast both intuitive and straightforward.

# **Getting Started Instructions**

#### 1. Choose a Package Manager (npm or yarn)

Your first step involves selecting a package manager, which will be crucial for managing your project's dependencies. The choice between npm and yarn depends on your personal preference or project requirements.

npm yarn Begin with npm by following then pm documentation . For yarn , refer to yarn's installation guide .

#### 2. Set Up Your Project

To kickstart your project, open your terminal and execute the following commands:

npm yarn mkdir blast-api-quickstart cd blast-api-quickstart npm init --yes mkdir blast-api-quickstart cd blast-api-quickstart yarn init --yes This creates a new directory named blast-api-quickstart and initializes a Node.js project within it.

#### 3. Make Your First Request

For making API requests, we'll use Axios, a widely-used HTTP client. Install Axios with the following command:

# yarn add axios

Next, create an index.js file in your project directory. Paste the following code to send a request to the Blast network:

JavaScript const axios = require ('axios' );const url =https://blast-mainnet.g.alchemy.com/v2{ yourAPIKey } ;const payload = {jsonrpc :'2.0' ,id :1 ,method :'eth\_blockNumber' ,params : [] };axios .post (url ,payload ) .then (response => {console .log ('Block Number:' ,response .data .result ); }) .catch (error => {console .error (error ); }); Remember to replace yourAPIKey with your actual Alchemy API key that you can get from yourAlchemy dashboard .

#### 4. Run Your Script

To execute your script and make a request to the Blast Chain, run:

Bash node index.js You should see the current block number on Blast Chain (in hexadecimal format) outputted to your console:

Block Number: 0x6d68e

### **Next Steps**

Well done! You've just made your first request to the Blast Chain API. With this foundation, you can dive deeper into the array of <u>JSON-RPC methods available on Blast Chain</u> and start building your dApps on it!

Updated 4 months ago

Zetachain API Endpoints Blast Chain API FAQ Did this page help you?Yes No