# 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
- 
  - 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

## 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
  - alchemy_simulateUserOperationAssetChanges post
- EntryPoint Revert Codes
  - AA10 sender already constructed
  - AA13 initCode failed or OOG
  - AA14 initCode must return sender
  - AA15 initCode must create sender
  - AA20 account not deployed
  - AA21 Didn’t pay prefund
  - AA22 expired or not due
  - AA23 reverted (or OOG)
  - AA24 signature error
  - AA25 Invalid account nonce
  - AA30 paymaster not deployed
  - AA31 paymaster deposit too low
  - AA32 Paymaster expired or not due
  - AA33 reverted (or OOG)
  - AA34 Signature Error
  - AA40 over verificationGasLimit
  - AA41 too little verificationGas
  - AA50 postOp reverted
  - AA51 prefund below actualGasCost
  - AA90 invalid beneficiary
  - AA91 failed send to beneficiary

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

## Optimism

- Optimism API Quickstart
  - Optimism SDK Examples
- Optimism API FAQ
  - Optimism Error Codes
- Optimism API Endpoints
  - eth_call - Optimism post

- eth_estimateGas - Optimism post
- eth_accounts - Optimism post
- eth_blockNumber - Optimism post
- eth_chainId - Optimism post
- eth_gasPrice - Optimism post
- eth_getBalance - Optimism post
- eth_getBlockTransactionCountByHash - Optimism post
- eth_getBlockTransactionCountByNumber - Optimism post
- eth_getCode - Optimism post
- eth_getFilterChanges - Optimism post
- eth_getFilterLogs - Optimism post
- eth_getLogs - Optimism post
- eth_getStorageAt - Optimism post
- eth_getTransactionByBlockHashAndIndex - Optimism post
- eth_getTransactionByBlockNumberAndIndex - Optimism post
- eth_getTransactionByHash - Optimism post
- eth_getTransactionCount - Optimism post
- eth_getTransactionReceipt - Optimism post
- eth_getUncleByBlockHashAndIndex - Optimism post
- eth_getUncleByBlockNumberAndIndex - Optimism post
- eth_getUncleCountByBlockHash - Optimism post
- eth_getUncleCountByBlockNumber - Optimism post
- eth_newBlockFilter - Optimism post
- eth_newFilter - Optimism post
- eth_newPendingTransactionFilter - Optimism post
- eth_protocolVersion - Optimism post
- eth_sendRawTransaction - Optimism post
- eth_syncing - Optimism post
- eth_uninstallFilter - Optimism post
- net_listening - Optimism post
- net_version - Optimism post
- web3_clientVersion - Optimism post
- web3_sha3 - Optimism post
- eth_getBlockByHash - Optimism post
-

- eth_getBlockByNumber - Optimism post
- eth_getProof - Optimism post
- eth_getBlockReceipts - Optimism post
- eth_subscribe
- eth_unsubscribe

## Base

- Base API Quickstart
- Base API FAQ
- Base API Endpoints
- eth_accounts - Base post
- eth_blockNumber - Base post
- eth_call - Base post
- eth_chainId - Base post
- eth_estimateGas - Base post
- eth_feeHistory - Base post
- eth_gasPrice - Base post
- eth_getBalance - Base post
- eth_getBlockByHash - Base post
- eth_getBlockByNumber - Base post
- eth_getBlockTransactionCountByHash - Base post
- eth_getBlockTransactionCountByNumber - Base post
- eth_getCode - Base post
- eth_getFilterChanges - Base post
- eth_getFilterLogs - Base post
- eth_getLogs - Base post
- eth_getProof - Base post
- eth_getStorageAt - Base post
- eth_getTransactionByBlockHashAndIndex - Base post
- eth_getTransactionByBlockNumberAndIndex - Base post
- eth_getTransactionByHash - Base post
- eth_getTransactionCount - Base post
- eth_getTransactionReceipt - Base post
- eth_getUncleByBlockHashAndIndex - Base post
- eth_getUncleByBlockNumberAndIndex - Base post
- eth_getUncleCountByBlockHash - Base post

- eth_getUncleCountByBlockNumber - Base post
- eth_maxPriorityFeePerGas - Base post
- eth_newBlockFilter - Base post
- eth_newFilter - Base post
- eth_newPendingTransactionFilter - Base post
- eth_protocolVersion - Base post
- eth_sendRawTransaction - Base post
- eth_syncing - Base post
- eth_uninstallFilter - Base post
- net_listening - Base post
- web3_sha3 - Base post
- eth_getBlockReceipts - Base post

## ❇ Solana

- Solana API Quickstart
- Solana API FAQ
- Solana API Endpoints
- 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
- 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

### 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

# Linea Chain API Quickstart

Get started building on Linea Chain and using the JSON-RPC API

*To use the Linea Chain API you'll need to create a free Alchemy account first. Also, we're offering up to 20,000 to help you start building. It's easy to qualify. Learn more here !*

## Introduction

Linea is an EVM-compatible blockchain designed to provide scalability and efficiency for decentralized applications (dApps). Known for its high throughput and low transaction costs, Linea offers a robust environment for deploying Ethereum-based applications.

## What is the Linea Chain API?

The Linea Chain API facilitates interaction with the Linea 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 Linea 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 the npm 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 linea-api-quickstart cd linea-api-quickstart npm init --yes mkdir linea-api-quickstart cd linea-api-quickstart yarn init --yes This creates a new directory named linea-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:

Bash npm install axios# Or with yarn

# yarn add axios

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

JavaScript const axios = require ('axios' );const url =https://linea-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 Linea Chain, run:

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

Block Number: 0x6d68e

## Next Steps

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

Updated 3 months ago

Scroll Chain API Endpoints Linea Chain API FAQ Did this page help you?Yes No