Introduction

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

Resources

- FAQ
 - Feature Support By Chain

 - Batch Requests

 - Error Reference
- Compute Units
 - Pricing Plans
 - Compute Unit Costs

NFT API

- NFT API Quickstart
- NFT API Endpoints Overview NFT API FAQ
- Ownership & Token Gating
 - getNFTsForOwner get
 - getOwnersForNFT get
 - getOwnersForContract get
 - isHolderOfContract get
 - getContractsForOwner get
- getCollectionsForOwner get
 NFT Metadata Access
- - getNFTMetadata get
 - getNFTMetadataBatch post
 - getContractMetadata get
 - getCollectionMetadata get
 - invalidateContract get
 - getContractMetadataBatch post
- getNFTsForContract get
- getNFTsForCollection get
- searchContractMetadata get
- refreshNftMetadata post Spam Detection

- getSpamContracts get
- isSpamContract get
- isAirdropNFT get
- reportSpam get
 Rarity Data
 - summarizeNFTAttributes get
- computeRarity get
 Sales & Marketplace Data

- 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
 - Transfers API (Tx History)
- Transfers API Quickstart
 Transfers API Endpoints

· reportSpam get

alchemy_getAssetTransfers post

Transaction Receipts API

- Transaction Receipts Endpoints
 - alchemy_getTransactionReceipts post

Token API

- Token API Quickstart
 Token API Endpoints
 - alchemy getTokenBalances post
 - alchemy_getTokenMetadata post
 - alchemy_getTokenAllowance post

Subgraphs

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

Webhooks

- Notify API Quickstart
 - Notify Tutorials and Applications
- Notify API FAQ
 Custom Webhooks Quickstart
- - Custom Webhooks FAQ
 - Custom Webhooks GraphQL Examples
- Custom Webhook Filters
- Custom Webhook Variables
 Custom Webhook API Methods
- Read Variable Elements get
 - Create a Variable post
 - Delete a Variable delete
- Update a Variable patch
- Notify API Methods
 - · Get all webhooks get
 - Get all addresses for an Address Activity webhook get
 - Create webhook post

· Add and remove webhook addresses patch · Replace webhook addresses put · Update webhook status put • Update webhook NFT filters patch • Update NFT metadata webhook filters patch • Get all webhook NFT filters get • Delete webhook delete Webhook Types Custom Webhook • Address Activity Webhook Mined Transaction Webhook Dropped Transaction Webhook NFT Activity Webhook NFT Metadata Updates Webhook Websockets Subscription API Quickstart
 Best Practices for Using WebSockets in Web3
 Subscription API Endpoints • alchemy_minedTransactions • alchemy_pendingTransactions • newPendingTransactions • newHeads • <u>logs</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?

Debug API

• trace_call vs debug_traceCall

- Debug API Quickstart
 Debug API Endpoints
 - debug_traceCall post
 - debug_traceTransaction post
 - debug_traceBlockByNumber post

 - debug_traceBlockByHash post

ACCOUNT ABSTRACTION

- Bundler API Quickstart
 Bundler API Endpoints
 - eth_getUserOperationReceipt post
 - eth_supportedEntryPoints post
 - eth_getUserOperationByHash post
 - eth sendUserOperation post
 - rundler_maxPriorityFeePerGas post
- eth_estimateUserOperationGas post
 Bundler API Fee Logic

- Factory Addresses
- Gas Manager Coverage API Quickstart
 Gas Manager Coverage API Endpoints
 - alchemy_requestPaymasterAndData post
- alchemy requestGasAndPaymasterAndData post
- Gas Manager Coverage API Fee Logic
- Gas Manager Deployment Addresses
 UserOperation Simulation Endpoints
- alchemy_simulateUserOperationAssetChanges post
- AA-SDK
 Account Abstraction FAQ

Embedded Accounts

- Accounts API Endpoints
 - Create Account post
 - Send Auth Email post
 - Authenticate User post

 - 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
- <u>alchemy simulateExecutionBundle post</u>
 <u>Gas Optimized Transactions</u>
- - 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
- <u>verifyNftOwnership SDK</u> <u>SDK Transact Methods</u>

- getTransaction SDK
- sendTransaction SDK
- sendPrivateTransaction SDK
- cancelPrivateTransaction SDK
- · waitForTransaction SDK
- estimateGas SDK
- getMaxPriorityFeePerGas SDK
- simulateAssetChanges SDK
- simulateAssetChangesBundle SDK
- simulateExecution SDK
- simulateExecutionBundle SDK SDK Debug Methods

- traceCall SDK
- traceTransaction SDK

• traceBlock - SDK • SDK Notify Methods • getAllWebhooks - SDK • getAddresses - SDK • getNftFilters - SDK • createWebhook - SDK • updateWebhook - SDK • deleteWebhook - SDK SDK WebSockets Endpoints SDK Ethers Utils arrayify • formatUnits · concat • hexConcat dnsEncode • <u>hexDataLength</u> • formatEther • <u>hexDataSlice</u> • hexStripZeros • hashMessage • isHexString • isValidName • joinSignature • splitSignature • toUtf8Bytes • <u>hexValue</u> • toUtf8String <u>hexZeroPad</u> zeroPad hexlify • 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 chainld Ethereum post
- eth_getBlockByNumber Ethereum post
- · eth accounts Ethereum post
- eth_feeHistory Ethereum post
- eth_estimateGas Ethereum post
- eth_gasPrice Ethereum post
- eth_getBlockTransactionCountByHash Ethereum post
- eth_getBlockReceipts Ethereum post
- eth_getBlockTransactionCountByNumber Ethereum post
- eth_getCode Ethereum post
- eth_getProof Ethereum post
- eth_getStorageAt Ethereum post
- eth_getTransactionByBlockHashAndIndex Ethereum post
- eth_getTransactionByHash Ethereum post
- eth_getTransactionCount Ethereum post
- eth_getTransactionReceipt Ethereum post
- eth_getUncleByBlockHashAndIndex Ethereum post
- eth_getUncleByBlockNumberAndIndex Ethereum post
- eth_getUncleCountByBlockHash Ethereum post
- eth_getUncleCountByBlockNumber Ethereum post
- eth_maxPriorityFeePerGas Ethereum post
- eth_protocolVersion Ethereum post
- eth_sendRawTransaction Ethereum post
- net_listening Ethereum post
- o net_version Ethereum post
- web3_clientVersion Ethereum post
- web3_sha3 Ethereum post
- eth_getTransactionByBlockNumberAndIndex Ethereum post
- · eth call Ethereum post
- eth_getBlockByHash Ethereum post
- eth createAccessList Ethereum post
- eth_newFilter Ethereum post
- eth_getFilterChanges Ethereum post
- eth_getFilterLogs Ethereum post
- eth_newBlockFilter Ethereum post
- eth_newPendingTransactionFilter Ethereum post
- eth uninstallFilter Ethereum post
- eth_subscribe
- eth_unsubscribe

Polygon PoS

- Polygon PoS API Quickstart
- Polygon SDK Examples
 Polygon PoS API FAQ
 Polygon PoS API Endpoints
- bor_getAuthor Polygon PoS post
 - bor_getCurrentProposer Polygon PoS post
 - bor_getCurrentValidators Polygon PoS post
 - bor_getRootHash Polygon PoS post
- eth accounts Polygon PoS post
- eth call Polygon PoS post
- · eth chainld Polygon PoS post
- eth_estimateGas Polygon PoS post
- · eth gasPrice Polygon PoS post
- eth_getBalance Polygon PoS post
- eth_getBlockByHash Polygon PoS post

- eth_getBlockByNumber Polygon PoS post
- eth_getBlockTransactionCountByHash Polygon PoS post
- eth_getBlockTransactionCountByNumber Polygon PoS post
- eth_getCode Polygon PoS post
- eth_getFilterChanges Polygon PoS post
- eth_getFilterLogs Polygon PoS post
- · eth_getLogs Polygon PoS post
- eth_getRootHash Polygon PoS post
- eth_getSignersAtHash Polygon PoS post
- eth getStorageAt Polygon PoS post
- eth_getTransactionByBlockHashAndIndex Polygon PoS post
- eth_getTransactionByBlockNumberAndIndex Polygon PoS post
- eth_getTransactionByHash Polygon PoS post
- eth_getTransactionCount Polygon PoS post
- eth_getTransactionReceipt Polygon PoS post
- eth_getTransactionReceiptsByBlock Polygon PoS post
- eth_sendRawTransaction Polygon PoS post
- eth_uninstallFilter Polygon PoS post
- net_listening Polygon PoS post
- eth_getUncleCountByBlockHash Polygon PoS post
- eth_getUncleCountByBlockNumber Polygon PoS post
- eth_newBlockFilter Polygon PoS post
- · eth newFilter Polygon PoS post
- eth_newPendingTransactionFilter Polygon PoS post
- web3 clientVersion Polygon PoS post
- · eth createAccessList Polygon PoS post
- eth_blockNumber Polygon PoS post
- bor_getSignersAtHash Polygon PoS post
- net_version Polygon PoS post
- eth_getProof Polygon PoS post
- eth_getUncleByBlockNumberAndIndex Polygon PoS post
- eth_subscribe Polygon PoS
- eth_unsubscribe Polygon PoS

Polygon zkEVM

- Polygon zkEVM API Quickstart Polygon zkEVM API FAQ
 - What is the difference between Polygon zkEVM and Ethereum?
- What is the difference between Polygon zkEVM and Polygon PoS? Polygon zkEVM Endpoints
- - eth_getTransactionCount Polygon zkEVM post
 - eth_call Polygon zkEVM post
 - o eth chainld 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
- <u>zkevm_isBlockConsolidated Polygon zkEVM post</u>
- eth_getTransactionByBlockHashAndIndex Polygon zkEVM post
- zkevm_isBlockVirtualized Polygon zkEVM post
- eth_getTransactionByBlockNumberAndIndex Polygon zkEVM post
- zkevm_verifiedBatchNumber Polygon zkEVM post
- eth_getTransactionByHash Polygon zkEVM post
- zkevm_virtualBatchNumber Polygon zkEVM post
- eth getCompilers Polygon zkEVM post
- eth getUncleByBlockHashAndIndex Polygon zkEVM post
- eth getUncleByBlockNumberAndIndex Polygon zkEVM post
- eth_getUncleCountByBlockHash Polygon zkEVM post
- eth_getUncleCountByBlockNumber Polygon zkEVM post
- eth_protocolVersion Polygon zkEVM post
- eth_blockNumber Polygon zkEVM post
- eth_getTransactionReceipt Polygon zkEVM post
- zkevm_batchNumberByBlockNumber Polygon zkEVM post
- zkevm_consolidatedBlockNumber Polygon zkEVM post
- zkevm_estimateFee API Polygon zkEVM post
- zkevm_estimateGasPrice API Polygon zkEVM post

Arbitrum

- Arbitrum API Quickstart
- Arbitrum SDK Examples
 Arbitrum API FAQ
- Arbitrum vs. Ethereum API Differences
 Arbitrum API Endpoints
- - eth_call Arbitrum post
 - eth_estimateGas Arbitrum post
 - eth_accounts Arbitrum post
 - eth_blockNumber Arbitrum post
 - eth_chainId Arbitrum post
 - eth gasPrice Arbitrum post
 - eth getBalance Arbitrum post
 - eth_getBlockTransactionCountByHash Arbitrum post
 - eth_getBlockTransactionCountByNumber Arbitrum post
 - eth_getCode Arbitrum post
- · eth_getFilterChanges Arbitrum post
- eth_getFilterLogs Arbitrum post
- eth_getLogs Arbitrum post
- eth_getStorageAt Arbitrum post
- eth_getTransactionByBlockHashAndIndex Arbitrum post
- eth_getTransactionCount Arbitrum post
- eth_getUncleByBlockNumberAndIndex Arbitrum post
- eth_getUncleCountByBlockHash Arbitrum post
- eth_getUncleCountByBlockNumber Arbitrum post
- · eth newBlockFilter Arbitrum post
- · eth newFilter Arbitrum post
- eth_newPendingTransactionFilter Arbitrum post
- · eth uninstallFilter Arbitrum post

- net_listening Arbitrum post
- net_version Arbitrum post
- web3_clientVersion Arbitrum post
- web3_sha3 Arbitrum post
- eth_sendRawTransaction Arbitrum post
- eth_createAccessList Arbitrum post
- eth_maxPriorityFeePerGas Arbitrum post
- eth_feeHistory Arbitrum post
- eth getBlockByHash Arbitrum post
- eth_getBlockByNumber Arbitrum post
- eth_getTransactionByBlockNumberAndIndex Arbitrum post
- eth_getTransactionByHash Arbitrum post
- eth_getProof Arbitrum post
- eth_getTransactionReceipt Arbitrum post
- eth_getUncleByBlockHashAndIndex Arbitrum post
- · eth subscribe
- eth_unsubscribe

Optimism

- Optimism API Quickstart
 - Optimism SDK Examples
 ABLEAC
- Optimism API FAQ
- Optimism Error Codes
- Optimism API Endpoints
 - eth_call Optimism post
 - eth_estimateGas Optimism post
 - eth_accounts Optimism post
 - eth_blockNumber Optimism post
 - eth_chainId Optimism post
 - eth_gasPrice Optimism post
 - eth_getBalance Optimism post
 - eth_getBlockTransactionCountByHash Optimism post
- eth_getBlockTransactionCountByNumber Optimism post
- eth_getCode Optimism post
- eth getFilterChanges Optimism post
- eth_getFilterLogs Optimism post
- eth_getLogs Optimism post
- eth_getStorageAt Optimism post
- eth_getTransactionByBlockHashAndIndex Optimism post
- eth_getTransactionByBlockNumberAndIndex Optimism post
- eth_getTransactionByHash Optimism post
- eth_getTransactionCount Optimism post
- eth_getTransactionReceipt Optimism post
- eth_getUncleByBlockHashAndIndex Optimism post
- eth_getUncleByBlockNumberAndIndex Optimism post
- eth_getUncleCountByBlockHash Optimism post
- eth_getUncleCountByBlockNumber Optimism post
- eth_newBlockFilter Optimism post
- eth_newFilter Optimism post
- eth_newPendingTransactionFilter Optimism post
- eth_protocolVersion Optimism post
- eth_sendRawTransaction Optimism post
- eth_syncing Optimism post
- eth_uninstallFilter Optimism post
- net_listening Optimism post
- net_version Optimism post

- web3_clientVersion Optimism post
- web3 sha3 Optimism post
- eth_getBlockByHash Optimism post
- eth_getBlockByNumber Optimism post
- eth getProof Optimism post
- · eth subscribe
- eth_unsubscribe

Base

- Base API Quickstart
- Base API FAQ
 Base API Endpoints
 - eth_accounts Base post
 - eth_blockNumber Base post
 - eth_call Base post
 - · eth chainld 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

* Solana

- Solana API Quickstart
- Solana API FAQ
 Solana API Endpoints
 - getAccountInfo post
 - · simulateTransaction post
 - getBalance post
 - getBlock post
 - getBlockCommitment post

- getBlockProduction post
- getBlocks post
- getBlocksWithLimit post
- getBlockTime post
- getClusterNodes post
- getEpochInfo post
- getEpochSchedule post
- getFeeForMessage post
- getFirstAvailableBlock post
- getGenesisHash post
- getHealth post
- getHighestSnapshotSlot post
- getIdentity post
- getInflationGovernor post
- getInflationRate post
- getInflationReward post
- getLargestAccounts post
- getMaxRetransmitSlot post
- getMaxShredInsertSlot post
- getMinimumBalanceForRentExemption post
- getMultipleAccounts post
- getProgramAccounts post
- getRecentPerformanceSamples post
- getSignaturesForAddress post
- getSignatureStatuses post
- getSlot post
- getSlotLeader post
- getSlotLeaders post
- getSupply post
- getTokenAccountBalance post
- getTokenAccountsByOwner post
- getTokenSupply post
- getTransaction post
- getVersion post
- getVoteAccounts post
- isBlockhashValid post
- minimumLedgerSlot post
- sendTransaction post
- requestAirdrop post
- getBlockHeight post
- getRecentBlockhash post

Astar

- Astar API QuickstartAstar API FAQAstar API Endpoints
 - eth_accounts Astar post
 - eth_getTransactionReceipt Astar post
 - eth_maxPriorityFeePerGas Astar post
 - eth_blockNumber Astar post
 - eth_call Astar post
 - eth_chainId Astar post
 - eth_gasPrice Astar post
 - eth_getBalance Astar post
 - eth_getBlockByHash Astar post
 - eth_getBlockByNumber Astar post

- eth_getBlockTransactionCountByHash Astar post
- eth_getBlockTransactionCountByNumber Astar post
- eth_getCode Astar post
- eth_getStorageAt Astar post
- eth_getTransactionByBlockHashAndIndex Astar post
- eth_getTransactionByBlockNumberAndIndex Astar post
- · eth_getTransactionByHash Astar post
- eth_getTransactionCount Astar post
- eth_getUncleByBlockNumberAndIndex Astar post
- eth_sendRawTransaction Astar post
- net_version Astar post
- web3_clientVersion Astar post
- web3_sha3 Astar post
- eth_getLogs Astar post
- eth getFilterChanges Astar post
- eth_getFilterLogs Astar post
- eth newFilter Astar post
- eth_newPendingTransactionFilter Astar post
- eth uninstallFilter Astar post
- eth_newBlockFilter Astar post
- eth_estimateGas Astar post
- eth_subscribe
- eth_unsubscribe

STARKNET

- Starknet API Quickstart
- Starknet API FAC
- 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

getNftsForOwner - SDK

Get all NFTs for an owner.

All CSS

margin-bottom: 7px; margin-top: 0px; color: #00000 limportant; } .api_key_instruct_ban_lft h3:last-child{ margin-bottom: 0; } .api_key_instruct_ban_lft p{ font-size: 14px; line-height: 1.3; color: #00000; font-family: 'Inter', sans-serif; font-weight: 400; } .gt_startd_vbtn{ display: inline-block; color: #FFFFF limportant; background: linear-gradient(126.33deg, #36BEFF 5.38%, #733FF1 108.32%); border-radius: 6px; font-size: 16px; line-height: 1.3; font-weight: 600; font-family: 'Inter', sans-serif; padding: 9px 16px; } .gt_startd_vbtn:hover{ background: #f00; back

```
@media(min-width:1025px) {}
@media(max-width:1199px) {
    .api_main {
max-width: 100%;
    .api_main_cont ul li a {
width: 100%;
    .left_icon .evm_part {
      width: 73%;
      margin: 22px auto auto auto:
    api main contullia [
      padding: 10px 18px
border-radius: 12px
    .api_main_cont ul li a:hover::before {
      border-radius: 12px;
    learn box
    .lear_outer {
height: 100%;
    .navbar-nav>li>a {
      font-size: 15px
      padding: 8px 10px
    .top_header_links ul li a{
font-size: 15px;
    .footer_links_box ul li a{
font-size: 13px;
    ,
/* dont_have_api_sec_start */
    Japi key Instruct ban/
display: block;
text-align: center;
background: linear-gradient(180deg, #EBF9FF 0%, #EEF3FE 100%);
       .api_key_instruct_ban_lft,.api_key_instruct_ban_rtt{
          max-width: 100%:
         padding: 0;
flex-basis: 100%;
       .api_key_instruct_ban_lft{
margin-bottom: 30px;
   /* dont_have_api_sec_end */
@media (max-width: 768px) {
    /* dont_have_api_sec_start */
      .api key instruct ban Ift h3{
          font-size: 30px
       .api_key_instruct_ban_lft p{
font-size: 16px;
       .wrapper_body_cmn_out{
max-width: 100%;
       .api_key_instruct_ban_lft h3 {
         font-size: 40px;
margin-bottom: 16px;
      /* dont_have_api_sec_end */
@media (max-width: 350px){
    .api key instruct ban-
      padding: 30px
     * dont_have_api_sec_end */
```

whole_Section_wrapperdont_have_api_sec_start### Don't have an API key?

Start using this method in your app today. Get started for free dont_have_api_sec_end

Description

Get all NFTs for an owner

This method returns the full NFTs in the contract. To get all NFTs without their associated metadata, use the options parameter by setting omitMetadata to true in the body of the request.

Parameters

Name Type Description owner string The address of the owner. options string The optional parameters to use for the request.

options

parameters

Available options include: SPAM, AIRDROPS. includeFilters? string Optional list of filters applied to the query. NFTs that match one or more of these filters are included in the response.

Available options include: SPAM, AIRDROPS. pageSize? number Sets the total number of NFTs to return in the response. Defaults to100. Maximum page size is100. tokenUriTimeoutlnMs? number No set timeout by default. When metadata is requested, this parameter is the timeout (in milliseconds) for the website hosting the metadata to respond.

If you want only to access the cache and not live to fetch any metadata for cache misses, then set this value to 0 . orderBy? string Order in which to return results. By default, results are ordered by contract address and token ID in lexicographic order.

The available option is TRANSFERTIME . pageKey? string Optional page key to use for pagination.

Response

Property Type Description Promise object An object containing nfts owned by an owner.

OwnedNftsResponse

object properties

Property Type Description ownedNfts array of objects The NFTs owned by the provided address. pageKey string Pagination token that can be passed into another request to fetch the next NFTs. If there is no page key, there are no more NFTs to fetch. totalCount number The total count of NFTs owned by the provided address. validAt object The validAt object contains the following information:

1. blockNumber - The block number the sale information is valid at. 2. blockHash - The block hash. Used to detect reorgs. 3. blockTimestamp - The timestamp for the block.

ownedNfts

properties

Property Type Description contract object The NFT's underlying contract and relevant contract metadata.

Parameters in the contract include:

- 1. address: string The address of the NFT contract. 2. tokenType: object The type of the token in the contract 3. name: string The name of the contract. 4. symbol: string The symbol of the contract. 5. totalSupply?: string The number of NFTs in the contract as an integer string. This field is only available on ERC-721 contracts. 6. openSeaMetadata: object OpenSea's metadata for the contract. 7. contractDeployer?: string The address that deployed the NFT contract. 8. deployedBlockNumber?: number The block number the NFT contract deployed in. 9. isSpam: boolean Whether the NFT contract is marked as spam. 10. spamClassifications: array Potential reasons why an NFT Contract was classified as spam. tokenId string The unique identifier of the token. This could be in hexadecimal or decimal format. tokenType string The type of NFT, e.g., ERC715, UNKNOWN description string The NFT description. timeLastUpdated string When the NFT was last updated in the blockchain. Represented in ISO-8601 format. raw object The raw metadata for the NFT based on the metadata URI on the NFT contract.
- 1. tokenUri?: string: The raw token URI on the NFT contract. 2. metadata: string: The raw metadata parsed from the raw token URI. 3. error?: string: Error message if the raw metadata could not be fetched. tokenUri string URIs for accessing the NFT's metadata blob. image object Media URLs and information for the NFT. Parameters in this object include:
- 1. cachedUrl: string: URL of the image stored in Alchemy's cache. 2. thumbnailUrl: string: URL of a thumbnail-sized image. 3. pngUrl: string: URL of the image in png format. 4. contentType: string: The type of the media image. acquiredAt? object Time at which the user most recently acquired the NFT. Only available when specifying orderBy: NftOrdering.TRANSFERTIME in the request.
- 1. blockTimestamp?: string: Timestamp of the block at which an NFT was last acquired. 2. blockNumber?: number: Block number of the block at which an NFT was last acquired. collection object Collection metadata for the NFT, if available. Parameters include:
- 1. name: string: The name of the collection. 2. slug?: string: The OpenSea human-readable slug of the collection. 3. externalUrl?: string: The external URL for the collection. 4. banner image Url?: string: The banner image URL for the collection. balance string The token balance indicating how many units of this NFT the owner holds. mint object Mint information for the NFT. Parameters include:
- 1. mintAddress?: string: The address that the NFT was minted to. 2. blockNumber?: number: The block number that the NFT was minted on. 3. timestamp?: string: The timestamp the NFT was minted on. 4. transactionHash?: string: The transaction hash of the transaction that minted the NFT.

OwnedBaseNftsResponse

object properties

The ownedBaseNfts response object is returned when the options parameter omitMetadata is set to true

Property Type Description ownedNfts array of objects The NFTs owned by the provided address. pageKey string Pagination token that can be passed into another request to fetch the next NFTs. If there is no page key, there are no more NFTs to fetch. totalCount number The total count of NFTs owned by the provided address. validAt object The validAt object contains the following information:

1. blockNumber - The block number the sale information is valid at. 2. blockHash - The block hash. Used to detect reorgs. 3. blockTimestamp - The timestamp for the block

ownedNfts

properties

Property Type Description contractAddress string The contract address of the NFT. tokenId string The unique identifier of the token. This could be in hexadecimal or decimal format. balance string The token balance indicating how many units of this NFT the owner holds.

Example Request and Response

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

The commands for installing it usingnpm oryarn are given below:

npm yarn npm i alchemy-sdk@latest yarn add alchemy-sdk@latest

Request

index.js // Imports the Alchemy SDK const {Alchemy ,Network } = require ("alchemy-sdk");// Configures the Alchemy SDK const config = {apiKey :"alchemy-replit",// Replace with your API key network :Network .ETH_MAINNET_// Replace with your network };// Creates an Alchemy object instance with the config to use for making requests const alchemy = new Alchemy (config);const main = async ()=> [let owner = "vitalik.eth";//Define the optional options parameters let options = {excludeFilters :"SPAM"};//Call the method to get the nfts owned by this address let response = await alchemy .nft .getNftsForOwner (owner ,options)://Logging the response to the console console .log (response));main ();

Response

JSON ("ownedNits" : ["contract" : ["address" : "0x000386E3F7559d9B6a2F5546B4aD1A9587D59Dc3", "name" : "Bored Ape Nike Club", "symbol" : "BANC", "tokenType" : "ERC721", "contractDeployer" : "0x51D7A228041E223ef51422e110dfEIF906e821CF6", "deployedBlockNumber" : 14276343, "openSeaMetadata" : ["collectionName" : "BoredApeNikeClub", "collectionSlug" 'bored-ape-nike-club-v2" ; "safelisRequestStatus" in "on tequester", "imageUrl" : "Intros./i/seadn.io/gae/yJ9DgXqlRwgdCkrCmHj7krCbixM8IPVAyYJWJShNXap1L0c3QL5MPvnTrOQDINIStGOK857/Ovab8MpNQS9X4pkHPktmhVmN82q0VvPw-500&auto-format", "description" : "COUNTDOWN OVER. MINTING LIVE: "inhibition the website\"," externalUrl" : "https://inkemetaverse.vzz", "bannerImageUrl" : "https://isseadn.io/gae/i84LsC2dtbF5i3YiuaXzzt/SjijBI-ZJ8UEta04Ukl4V57Ug)GZ0w8iNyuPdwrF7N5pclyzdgSjkHz65z4d5jGVRK DHUMVrzTrO?w=500&auto-format", "lastingestedAf" : "2023-09-1111359-53.0002", "isspam" true "spam" classifications": "ComedByMostHonevPote", "ERC721" condanyOwners", "ERC721 TooManyOwners", "ERC721 Too

Code Sandbox

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

Use Cases

The getNftsForOwner method can be used to retrieve information about non-fungible tokens (NFTs) owned by a specific address. Some possible use cases for this method include:

- Displaying NFTs owned by a user
- DApps or marketplaces that display a user's NFT collection can use the getNftsForOwner
- method to retrieve information about the NFTs owned by a specific address. This can be useful for providing a customized view of a user's NFTs and allowing them to manage their collection easily.
- Tracking NFT ownership
- : The
- getNttsForOwner
 method can be used to track the ownership of specific NFTs over time. This can be useful for tracking the ownership history of rare or valuable NFTs and verifying the authenticity of ownership
- · Verifying ownership in a smart contract
- Smart contracts that require ownership of specific NFTs as a condition for executing certain functions can use the
- getNftsForOwner method to verify that a user owns the required NFTs.

Related Methods

Here are the methods related to getNftsForOwner :

- getNftMetadata
 : Get the NFT metadata associated with the provided parameters.

Updated 5 months ago

SDK NFT Methods getNftMetadata -SDK Did this page help you?Yes No