Introduction

Resources

NFT API

Transfers API (Tx History)

Transaction Receipts API

Token API

Subgraphs

Webhooks

Websockets

Trace API

Debug API

ACCOUNT ABSTRACTION

Embedded Accounts

Gas Manager Admin API

Alchemy Transact

Alchemy 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_getBlockReceipts - Ethereum post
-
  - eth_getBlockTransactionCountByNumber - Ethereum post
-
  - eth_getCode - Ethereum post
-
  - eth_getProof - Ethereum post
-
  - eth_getStorageAt - Ethereum post
-
  - eth_getTransactionByBlockHashAndIndex - Ethereum post
-
  - eth_getTransactionByHash - Ethereum post
-
  - eth_getTransactionCount - Ethereum post
-
  - eth_getTransactionReceipt - Ethereum post
-
  - eth_getUncleByBlockHashAndIndex - Ethereum post
-
  - eth_getUncleByBlockNumberAndIndex - Ethereum post
-
  - eth_getUncleCountByBlockHash - Ethereum post
-
  - eth_getUncleCountByBlockNumber - Ethereum post
-
  - eth_maxPriorityFeePerGas - Ethereum post
-
  - eth_protocolVersion - Ethereum post
-
  - eth_sendRawTransaction - Ethereum post
-
  - net_listening - Ethereum post
-
  - net_version - Ethereum post
-
  - web3_clientVersion - Ethereum post
-
  - web3_sha3 - Ethereum post
-
  - eth_getTransactionByBlockNumberAndIndex - Ethereum post
-
  - eth_call - Ethereum post
-
  - eth_getBlockByHash - Ethereum post
-
  - eth_createAccessList - Ethereum post
-
  - eth_newFilter - Ethereum post
-
  - eth_getFilterChanges - Ethereum post
-
  - eth_getFilterLogs - Ethereum post
-
  - eth_newBlockFilter - Ethereum post
-
  - eth_newPendingTransactionFilter - Ethereum post
-
  - eth_uninstallFilter - Ethereum post
-
  - eth_subscribe
-
  - eth_unsubscribe

Polygon PoS

- Polygon PoS API Quickstart
-
  - Polygon SDK Examples
- Polygon PoS API FAQ
- Polygon PoS API Endpoints
-
  - bor_getAuthor - Polygon PoS post
-
  - bor_getCurrentProposer - Polygon PoS post
-
  - bor_getCurrentValidators - Polygon PoS post
-
  - bor_getRootHash - Polygon PoS post
-
  - eth_accounts - Polygon PoS post
-
  - eth_call - Polygon PoS post
-
  - eth_chainId - Polygon PoS post
-
  - eth_estimateGas - Polygon PoS post
-
  - eth_gasPrice - Polygon PoS post
-
  - eth_getBalance - Polygon PoS post
-
  - eth_getBlockByHash - Polygon PoS post

-
    - eth_getBlockByNumber - Polygon PoS post
-
    - eth_getBlockTransactionCountByHash - Polygon PoS post
-
    - eth_getBlockTransactionCountByNumber - Polygon PoS post
-
    - eth_getCode - Polygon PoS post
-
    - eth_getFilterChanges - Polygon PoS post
-
    - eth_getFilterLogs - Polygon PoS post
-
    - eth_getLogs - Polygon PoS post
-
    - eth_getRootHash - Polygon PoS post
-
    - eth_getSignersAtHash - Polygon PoS post
-
    - eth_getStorageAt - Polygon PoS post
-
    - eth_getTransactionByBlockHashAndIndex - Polygon PoS post
-
    - eth_getTransactionByBlockNumberAndIndex - Polygon PoS post
-
    - eth_getTransactionByHash - Polygon PoS post
-
    - eth_getTransactionCount - Polygon PoS post
-
    - eth_getTransactionReceipt - Polygon PoS post
-
    - eth_getTransactionReceiptsByBlock - Polygon PoS post
-
    - eth_sendRawTransaction - Polygon PoS post
-
    - eth_uninstallFilter - Polygon PoS post
-
    - net_listening - Polygon PoS post
-
    - eth_getUncleCountByBlockHash - Polygon PoS post
-
    - eth_getUncleCountByBlockNumber - Polygon PoS post
-
    - eth_newBlockFilter - Polygon PoS post
-
    - eth_newFilter - Polygon PoS post
-
    - eth_newPendingTransactionFilter - Polygon PoS post
-
    - web3_clientVersion - Polygon PoS post
-
    - eth_createAccessList - Polygon PoS post
-
    - eth_blockNumber - Polygon PoS post
-
    - bor_getSignersAtHash - Polygon PoS post
-
    - net_version - Polygon PoS post
-
    - eth_getProof - Polygon PoS post
-
    - eth_getUncleByBlockNumberAndIndex - Polygon PoS post
-
    - eth_subscribe - Polygon PoS
-
    - eth_unsubscribe - Polygon PoS

Polygon zkEVM

- Polygon zkEVM API Quickstart
- Polygon zkEVM API FAQ
-
    - What is the difference between Polygon zkEVM and Ethereum?
-
    - What is the difference between Polygon zkEVM and Polygon PoS?
- Polygon zkEVM Endpoints
-
    - eth_getTransactionCount - Polygon zkEVM post
-
    - eth_call - Polygon zkEVM post
-
    - eth_chainId - Polygon zkEVM post
-
    - eth_newBlockFilter - Polygon zkEVM post
-
    - eth_estimateGas - Polygon zkEVM post
-
    - eth_newFilter - Polygon zkEVM post
-
    - eth_gasPrice - Polygon zkEVM post
-
    - eth_sendRawTransaction - Polygon zkEVM post
-
    - eth_getBalance - Polygon zkEVM post
-
    - eth_uninstallFilter - Polygon zkEVM post
-
    - eth_getBlockByHash - Polygon zkEVM post
-
    - net_version - Polygon zkEVM post
-
    - eth_getBlockByNumber - Polygon zkEVM post
-
    - web3_clientVersion - Polygon zkEVM post
-
    - eth_getBlockTransactionCountByHash - Polygon zkEVM post
-
    - eth_getBlockTransactionCountByNumber - Polygon zkEVM post
-

  - zkevm_batchNumber - Polygon zkEVM post
-
  - eth_getCode - Polygon zkEVM post
-
  - eth_getFilterChanges - Polygon zkEVM post
-
  - eth_getFilterLogs - Polygon zkEVM post
-
  - zkevm_getBatchByNumber - Polygon zkEVM post
-
  - eth_getLogs - Polygon zkEVM post
-
  - zkevm_getBroadcastURI - Polygon zkEVM post
-
  - eth_getStorageAt - Polygon zkEVM post
-
  - zkevm_isBlockConsolidated - Polygon zkEVM post
-
  - eth_getTransactionByBlockHashAndIndex - Polygon zkEVM post
-
  - zkevm_isBlockVirtualized - Polygon zkEVM post
-
  - eth_getTransactionByBlockNumberAndIndex - Polygon zkEVM post
-
  - zkevm_verifiedBatchNumber - Polygon zkEVM post
-
  - eth_getTransactionByHash - Polygon zkEVM post
-
  - 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
- Optimism API FAQ
-
    - Optimism Error Codes
- Optimism API Endpoints
-
    - eth_call - Optimism post
-
    - eth_estimateGas - Optimism post
-
    - eth_accounts - Optimism post
-
    - eth_blockNumber - Optimism post
-
    - eth_chainId - Optimism post
-
    - eth_gasPrice - Optimism post
-
    - eth_getBalance - Optimism post
-
    - eth_getBlockTransactionCountByHash - Optimism post
-
    - eth_getBlockTransactionCountByNumber - Optimism post
-
    - eth_getCode - Optimism post
-
    - eth_getFilterChanges - Optimism post
-
    - eth_getFilterLogs - Optimism post
-
    - eth_getLogs - Optimism post
-
    - eth_getStorageAt - Optimism post
-
    - eth_getTransactionByBlockHashAndIndex - Optimism post
-
    - eth_getTransactionByBlockNumberAndIndex - Optimism post
-
    - eth_getTransactionByHash - Optimism post
-
    - eth_getTransactionCount - Optimism post
-
    - eth_getTransactionReceipt - Optimism post
-
    - eth_getUncleByBlockHashAndIndex - Optimism post
-
    - eth_getUncleByBlockNumberAndIndex - Optimism post
-
    - eth_getUncleCountByBlockHash - Optimism post
-
    - eth_getUncleCountByBlockNumber - Optimism post
-
    - eth_newBlockFilter - Optimism post
-
    - eth_newFilter - Optimism post
-
    - eth_newPendingTransactionFilter - Optimism post
-
    - eth_protocolVersion - Optimism post
-
    - eth_sendRawTransaction - Optimism post
-
    - eth_syncing - Optimism post
-
    - eth_uninstallFilter - Optimism post
-
    - net_listening - Optimism post
-
    - net_version - Optimism post
-

  - web3_clientVersion - Optimism post
-
  - web3_sha3 - Optimism post
-
  - eth_getBlockByHash - Optimism post
-
  - eth_getBlockByNumber - Optimism post
-
  - eth_getProof - Optimism post
-
  - eth_subscribe
-
  - eth_unsubscribe

Base

- Base API Quickstart
- Base API FAQ
- Base API Endpoints
-
  - eth_accounts - Base post
-
  - eth_blockNumber - Base post
-
  - eth_call - Base post
-
  - eth_chainId - Base post
-
  - eth_estimateGas - Base post
-
  - eth_feeHistory - Base post
-
  - eth_gasPrice - Base post
-
  - eth_getBalance - Base post
-
  - eth_getBlockByHash - Base post
-
  - eth_getBlockByNumber - Base post
-
  - eth_getBlockTransactionCountByHash - Base post
-
  - eth_getBlockTransactionCountByNumber - Base post
-
  - eth_getCode - Base post
-
  - eth_getFilterChanges - Base post
-
  - eth_getFilterLogs - Base post
-
  - eth_getLogs - Base post
-
  - eth_getProof - Base post
-
  - eth_getStorageAt - Base post
-
  - eth_getTransactionByBlockHashAndIndex - Base post
-
  - eth_getTransactionByBlockNumberAndIndex - Base post
-
  - eth_getTransactionByHash - Base post
-
  - eth_getTransactionCount - Base post
-
  - eth_getTransactionReceipt - Base post
-
  - eth_getUncleByBlockHashAndIndex - Base post
-
  - eth_getUncleByBlockNumberAndIndex - Base post
-
  - eth_getUncleCountByBlockHash - Base post
-
  - eth_getUncleCountByBlockNumber - Base post
-
  - eth_maxPriorityFeePerGas - Base post
-
  - eth_newBlockFilter - Base post
-
  - eth_newFilter - Base post
-
  - eth_newPendingTransactionFilter - Base post
-
  - eth_protocolVersion - Base post
-
  - eth_sendRawTransaction - Base post
-
  - eth_syncing - Base post
-
  - eth_uninstallFilter - Base post
-
  - net_listening - Base post
-
  - web3_sha3 - Base post

❇ Solana

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

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

Astar

- Astar API Quickstart
- Astar API FAQ
- Astar API Endpoints
-
  - eth_accounts - Astar post
-
  - eth_getTransactionReceipt - Astar post
-
  - eth_maxPriorityFeePerGas - Astar post
-
  - eth_blockNumber - Astar post
-
  - eth_call - Astar post
-
  - eth_chainId - Astar post
-
  - eth_gasPrice - Astar post
-
  - eth_getBalance - Astar post
-
  - eth_getBlockByHash - Astar post
-
  - eth_getBlockByNumber - Astar post
-

  - 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 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

Alchemy SDK V2 vs. V3 Method Differences

Detailed differences between Alchemy SDK V2 and V3 methods

Detailed Method Mappings

This page aims to provide a comprehensive and detailed mapping of the changes that have occurred in each endpoint between Alchemy SDK V2 and V3. For each method, we will outline any changes in the method name, provide example requests in both V2 and V3, and present a mapping table highlighting the differences in the response structure (where applicable). Additionally, we will include examples of the V2 and V3 responses to help illustrate the changes.

getFloorPrice - SDK

Returns the floor prices of an NFT contract by marketplace.

Overview of Changes

- An
- error
- field has been added to both
- openSea
- and
- looksRare
- objects in the response structure in V3.

Example Requests

V2 Example Request

```
JavaScript // 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 ()=> {// define the contract address const address = "0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D" ;//Call the method to check the contract floor price const response = await alchemy
.nft .getFloorPrice (address )//Logging the response to the console console .log (response ) }main ();
```

V3 Example Request

Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter openSea.floorPrice openSea.floorPrice openSea.priceCurrency openSea.priceCurrency openSea.collectionUrl openSea.collectionUrl openSea.retrievedAt openSea.retrievedAt openSea.error (New in V3) looksRare.floorPrice looksRare.floorPrice looksRare.priceCurrency looksRare.priceCurrency looksRare.collectionUrl looksRare.collectionUrl looksRare.retrievedAt looksRare.retrievedAt looksRare.error (New in V3)

Example Responses

V2 Example Response

```
JSON {openSea : {floorPrice :44.5 ,priceCurrency :'ETH' ,collectionUrl :'https://opensea.io/collection/boredapeyachtclub' ,retrievedAt :'2023-06-19T00:07:11.601Z' },looksRare : {floorPrice :43.65
,priceCurrency :'ETH' ,collectionUrl :'https://looksrare.org/collections/0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d' ,retrievedAt :'2023-06-19T00:07:11.639Z' } }
```

V3 Example Response

```
JSON {"openSea" : {"floorPrice" :24.979951 ,"priceCurrency" :"ETH" ,"collectionUrl" :"https://opensea.io/collection/boredapeyachtclub" ,"retrievedAt" :"2023-09-21T15:22:06.168Z" ,"error" :undefined
},"looksRare" : {"floorPrice" :24.98 ,"priceCurrency" :"ETH" ,"collectionUrl" :"https://looksrare.org/collections/0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" ,"retrievedAt" :"2023-09-
21T15:22:06.097Z" ,"error" :undefined } }
```

getNftsForOwner - SDK

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.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in the V3 response.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to an optional
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- blockHash
- parameter has been removed in V3.
- The
- metadataError
- in V2 has been replaced with the
- raw.error
- parameter in the V3 response.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3, which contains the
- tokenUri
- and
- metadata
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in V3.
- The
- isSpam
- and
- classifications

- parameters for
- spamInfo
- on V2 has been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- validAt
- object has been added to the V3 response. It contains the
- blockNumber
- ,
- blockHash
- , and
- blockTimestamp
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

JavaScript // 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" ;//Call the method to get the nfts owned by this address let response = await alchemy .nft .getNftsForOwner (owner)//Logging the response to the console console .log (response) };main ();

V3 Example Request

Same as V2.

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.tokenType contract.tokenType contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt tokenId tokenId tokenType tokenType tokenUri tokenUri title name description description metadataError raw.error rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.attributes raw.metadata.attributes - raw.tokenUri media image spamInfo (Removed in V3 and moved to contract) - collection (New in V3) - mint (New in V3) balance balance timeLastUpdated timeLastUpdated - validAt.blockNumber (New in V3) - validAt.blockHash (New in V3) - validAt.blockTimestamp (New in V3) pageKey pageKey totalCount totalCount blockHash (Removed in V3) - acquiredAt (New in V3)

Example Responses

V2 Example Response

JSON {"ownedNfts" : [{"contract" : {"address" :"0x000386e3f7559d9b6a2f5c46b4ad1a9587d59dc3" ,"name" :"Bored Ape Nike Club" ,"symbol" :"BANC" ,"tokenType" :"ERC721" ,"openSea" : {"collectionName" :"BoredApeNikeClub" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description" :"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"lastIngestedAt" :"2023-07-15T19:05:35.000Z" },"contractDeployer" :"0x51d7d428041e23ef51422e110dfeff906e821cfe" ,"deployedBlockNumber" :14276343 },"tokenId" :"1" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-19T10:54:51.000Z" ,"metadataError" :"Contract returned a broken token uri" ,"rawMetadata" : {"metadata" : [],"attributes" : [] },"tokenUri" : {"gateway" :"http://api.nikeapenft.xyz/ipfs/1" ,"raw" :"http://api.nikeapenft.xyz/ipfs/1" },"media" : [],"spamInfo" : {"isSpam" :true ,"classifications" : ["OwnedByMostHoneyPots" ,"Erc721TooManyOwners" ,"Erc721TooManyTokens" ,"NoSalesActivity" ,"HighAirdropPercent" ,"HighHoneyPotPercent" ,"HoneyPotsOwnMultipleTokens"] },"balance" :26 }, {"contract" : {"address" :"0x000386e3f7559d9b6a2f5c46b4ad1a9587d59dc3" ,"name" :"Bored Ape Nike Club" ,"symbol" :"BANC" ,"tokenType" :"ERC721" ,"openSea" : {"collectionName" :"BoredApeNikeClub" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description" :"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"lastIngestedAt" :"2023-07-15T19:05:35.000Z" },"contractDeployer" :"0x51d7d428041e23ef51422e110dfeff906e821cfe" ,"deployedBlockNumber" :14276343 },"tokenId" :"2" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-19T10:54:50.978Z" ,"metadataError" :"Contract returned a broken token uri" ,"rawMetadata" : {"metadata" : [],"attributes" : [] },"tokenUri" : {"gateway" :"http://api.nikeapenft.xyz/ipfs/2" ,"raw" :"http://api.nikeapenft.xyz/ipfs/2" },"media" : [],"spamInfo" : {"isSpam" :true ,"classifications" : ["OwnedByMostHoneyPots" ,"Erc721TooManyOwners" ,"Erc721TooManyTokens" ,"NoSalesActivity" ,"HighAirdropPercent" ,"HighHoneyPotPercent" ,"HoneyPotsOwnMultipleTokens"] },"balance" :31 }, {"contract" : {"address" :"0x00703f9b11f2ac02d391a11e7b97c6ee80cd8563" ,"name" :"Elon Musk" ,"symbol" :"MUSK" ,"tokenType" :"ERC721" ,"openSea" : {"collectionName" :"ELON MUSK LICENSE" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/7O8H5tVTUPfi03LBY3xI29wkuzp8sSsRvr_BjOxXUfsU7mrkV7WxhOMedXKBp-dqDtCLjSfLwzWEMg6_yrxw8YPXC7OY9TqelDm9?w=500&auto=format" ,"description" :"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website." ,"externalUrl" :"https://elonmusknftworld.shop" ,"lastIngestedAt" :"2023-07-15T19:21:16.000Z" },"contractDeployer" :"0x69a3c97428bad2c431a70b886d4d03b042df5670" ,"deployedBlockNumber" :14268680 },"tokenId" :"5" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-19T10:54:51.011Z" ,"metadataError" :"Contract returned a broken token uri" ,"rawMetadata" : {"metadata" : [],"attributes" : [] },"tokenUri" : {"gateway" :"http://api.elonmusknfts.xyz/ipfs/5" ,"raw" :"http://api.elonmusknfts.xyz/ipfs/5" },"media" : [],"spamInfo" : {"isSpam" :true ,"classifications" : ["OwnedByMostHoneyPots" ,"Erc721TooManyOwners" ,"Erc721TooManyTokens" ,"NoSalesActivity" ,"HighAirdropPercent" ,"HighHoneyPotPercent" ,"HoneyPotsOwnMultipleTokens"] },"balance" :11 }],"pageKey" :"MHgwMDcwM2Y5YjExZjJhYzAyZDM5MWExMWU3Yjk3YzZlZTgwY2Q4NTYzOjB4MDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMD ,"totalCount" :26525 ,"blockHash" :"0x7f9574679a4ee645fc34683464ee4c038cb968112c912cb7ddce46d5abdeac94" }

V3 Example Response

JSON {"ownedNfts" : [{"contract" : {"address" :"0x000386E3F7559d9B6a2F5c46B4aD1A9587D59Dc3" ,"name" :"Bored Ape Nike Club" ,"symbol" :"BANC" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x51D7D428041E23ef51422e110dfEfF906e821CFe" ,"deployedBlockNumber" :14276343 ,"openSeaMetadata" : {"collectionName" :"BoredApeNikeClub" ,"collectionSlug" :"bored-ape-nike-club-v2" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description" :"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" ,"lastIngestedAt" :"2023-09-11T13:59:53.000Z" },"isSpam" :true ,"spamClassifications" : ["OwnedByMostHoneyPots" ,"Erc721TooManyOwners" ,"Erc721TooManyTokens" ,"NoSalesActivity" ,"HighAirdropPercent" ,"HighHoneyPotPercent" ,"HoneyPotsOwnMultipleTokens"] },"tokenId" :"1" ,"tokenType" :"ERC721" ,"tokenUri" :"http://api.nikeapenft.xyz/ipfs/1" ,"image" : {},"raw" : {"tokenUri" :"http://api.nikeapenft.xyz/ipfs/1" ,"metadata" : {} },"collection" : {"name" :"BoredApeNikeClub" ,"slug" :"bored-ape-nike-club-v2" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-20T12:18:35.890Z" ,"balance" :"26" ,"acquiredAt" : {} }, {"contract" : {"address" :"0x000386E3F7559d9B6a2F5c46B4aD1A9587D59Dc3" ,"name" :"Bored Ape Nike Club" ,"symbol" :"BANC" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x51D7D428041E23ef51422e110dfEfF906e821CFe" ,"deployedBlockNumber" :14276343 ,"openSeaMetadata" : {"collectionName" :"BoredApeNikeClub" ,"collectionSlug" :"bored-ape-nike-club-v2" ,"safelistRequestStatus" :"not_requested" ,"imageUrl"

```
:"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description"
:"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-
ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" ,"lastIngestedAt" :"2023-09-11T13:59:53.000Z" },"isSpam" :true
,"spamClassifications" : ["OwnedByMostHoneyPots" ,"Erc721TooManyOwners" ,"Erc721TooManyTokens" ,"NoSalesActivity" ,"HighAirdropPercent" ,"HighHoneyPotPercent"
,"HoneyPotsOwnMultipleTokens" ] },"tokenId" :"2" ,"tokenType" :"ERC721" ,"tokenUri" :"http://api.nikeapenft.xyz/ipfs/2" ,"image" : {},"raw" : {"tokenUri" :"http://api.nikeapenft.xyz/ipfs/2" ,"metadata" :
{},"error" :"Contract returned a broken token uri" },"collection" : {"name" :"BoredApeNikeClub" ,"slug" :"bored-ape-nike-club-v2" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl"
:"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" },"mint" : {},"timeLastUpdated"
:"2023-09-20T13:13:54.798Z" ,"balance" :"31" ,"acquiredAt" : {} }, {"contract" : {"address" :"0x000386E3F7559d9B6a2F5c46B4aD1A9587D59Dc3" ,"name" :"Bored Ape Nike Club" ,"symbol" :"BANC"
,"tokenType" :"ERC721" ,"contractDeployer" :"0x51D7D428041E23ef51422e110dfEfF906e821CFe" ,"deployedBlockNumber" :14276343 ,"openSeaMetadata" : {"collectionName" :"BoredApeNikeClub"
,"collectionSlug" :"bored-ape-nike-club-v2" ,"safelistRequestStatus" :"not_requested" ,"imageUrl"
:"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description"
:"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-
ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" ,"lastIngestedAt" :"2023-09-11T13:59:53.000Z" },"isSpam" :true
,"spamClassifications" : ["OwnedByMostHoneyPots" ,"Erc721TooManyOwners" ,"Erc721TooManyTokens" ,"NoSalesActivity" ,"HighAirdropPercent" ,"HighHoneyPotPercent"
,"HoneyPotsOwnMultipleTokens" ] },"tokenId" :"2" ,"tokenType" :"ERC721" ,"tokenUri" :"http://api.nikeapenft.xyz/ipfs/2" ,"image" : {},"raw" : {"tokenUri" :"http://api.nikeapenft.xyz/ipfs/2" ,"metadata" : {}
},"collection" : {"name" :"BoredApeNikeClub" ,"slug" :"bored-ape-nike-club-v2" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-
ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-18T11:02:14.698Z" ,"balance" :"31"
,"acquiredAt" : {} }, ],"pageKey"
:"MHgwMDcwM2Y5YjExZjJhYzAyZDM5MWExMWU3Yjk3YzZlZTgwY2Q4NTYzOjB4MDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMD
,"totalCount" :26585 ,"validAt" : {"blockNumber" :18162406 ,"blockHash" :"0x670957987df0a8d0838a05a25d8a1945fbeea24f547a4e59e748c42a12d7cfce" ,"blockTimestamp" :"2023-09-18T11:02:47Z"
} }
```

getNftMetadata - SDK

Get the NFT metadata associated with the provided parameters.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in the V3 response.
- The
- contract
- object in the V3 response now includes new parameters called
- isSpam
- and
- spamClassifications
- .
- The
- isSpam
- and
- classifications
- parameters for
- spamInfo
- on V2 has been added to the
- contract
- object in V3.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to an optional
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata.attributes
- parameter has been removed and changed to
- raw.metadata.attributes
- in the V3 response.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3 response, which contains the
- tokenUri
- ,
- error
- and
- metadata
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and

- bannerImageUrl?
- parameters.

Example Requests

V2 Example Request

JavaScript // 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 = "0xe785E82358879F061BC3dcAC6f0444462D4b5330" ;let tokenId = 44 ;//Call the method to get the nfts owned by this address let response = await alchemy .nft .getNftMetadata (owner ,tokenId)//Logging the response to the console console .log (response) };main ();

V3 Example Request

Same as V2.

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.tokenType contract.tokenType contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications contract.openSea.floorPrice contract.openSeaMetadata.floorPrice contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt tokenId tokenId tokenType tokenType tokenUri tokenUri title name description description rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.attributes raw.metadata.attributes rawMetadata.error raw.error - raw.tokenUri media image - collection (New in V3) - mint (New in V3) timeLastUpdated timeLastUpdated

Example Responses

V2 Example Response

JSON {"contract" : {"address" :"0xe785e82358879f061bc3dcac6f0444462d4b5330" ,"name" :"World Of Women" ,"symbol" :"WOW" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.7999 ,"collectionName" :"World of Women" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/8604de2d9aaec98dd389e3af1b1a14b6.gif?w=500&auto=format" ,"description" :"World of Women is a collection of 10,000 NFTs that gives you full access to our network of artists, creators, entrepreneurs, and executives who are championing diversity and equal opportunity on the blockchain.\n\nCreated and illustrated by Yam Karkai (@ykarkai), World of Women has made prominent appearances at Christie's, The New Yorker and Billboard.\n\nJoin us to receive exclusive access to NFT drops, experiences, and much more.\n\nThe Time is WoW." ,"externalUrl" :"http://worldofwomen.art" ,"twitterUsername" :"worldofwomennft" ,"discordUrl" :"https://discord.gg/worldofwomen" ,"lastIngestedAt" :"2023-07-11T11:58:25.000Z" },"contractDeployer" :"0xc9b6321dc216d91e626e9baa61b06b0e4d55bdb1" ,"deployedBlockNumber" :12907782 },"tokenId" :"44" ,"tokenType" :"ERC721" ,"title" :"WoW #44" ,"description" :"" ,"timeLastUpdated" :"2023-07-13T08:14:36.601Z" ,"rawMetadata" : {"name" :"WoW #44" ,"image" :"ipfs://QmUkdJKCsV8ixm2eDLJGosH8Bntwwx942YXxfuF9yXPBzi" ,"attributes" : [{"value" :"Green Orange" ,"trait_type" :"Background" }, {"value" :"Medium Gold" ,"trait_type" :"Skin Tone" }, {"value" :"Green To The Left" ,"trait_type" :"Eyes" }, {"value" :"Freckles" ,"trait_type" :"Facial Features" }, {"value" :"Boy Cut" ,"trait_type" :"Hairstyle" }, {"value" :"Tunic" ,"trait_type" :"Clothes" }, {"value" :"Spikes" ,"trait_type" :"Earrings" }, {"value" :"Slight Smile" ,"trait_type" :"Mouth" }, {"value" :"Purple" ,"trait_type" :"Lips Color" }] },"tokenUri" : {"gateway" :"https://alchemy.mypinata.cloud/ipfs/QmTNBQDbggLZdKF1fRgWnXsnRikd52zL5ciNu769g9JoUP/44" ,"raw" :"ipfs://QmTNBQDbggLZdKF1fRgWnXsnRikd52zL5ciNu769g9JoUP/44" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"raw" :"ipfs://QmUkdJKCsV8ixm2eDLJGosH8Bntwwx942YXxfuF9yXPBzi" ,"format" :"png" ,"bytes" :105117 }] }

V3 Example Response

JSON {"contract" : {"address" :"0xe785E82358879F061BC3dcAC6f0444462D4b5330" ,"name" :"World Of Women" ,"symbol" :"WOW" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xc9b6321dc216D91E626E9BAA61b06B0E4d55bdb1" ,"deployedBlockNumber" :12907782 ,"openSeaMetadata" : {"floorPrice" :0.6021 ,"collectionName" :"World of Women" ,"collectionSlug" :"world-of-women-nft" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/8604de2d9aaec98dd389e3af1b1a14b6.gif?w=500&auto=format" ,"description" :"World of Women is a collection of 10,000 NFTs that gives you full access to our network of artists, creators, entrepreneurs, and executives who are championing diversity and equal opportunity on the blockchain.\n\nCreated and illustrated by Yam Karkai (@ykarkai), World of Women has made prominent appearances at Christie's, The New Yorker and Billboard.\n\nJoin us to receive exclusive access to NFT drops, experiences, and much more.\n\nThe Time is WoW." ,"externalUrl" :"http://worldofwomen.art" ,"twitterUsername" :"worldofwomennft" ,"discordUrl" :"https://discord.gg/worldofwomen" ,"bannerImageUrl" :"https://i.seadn.io/gae/GHhptRLebBOWOy8kfXpYCVqsqdes-1-6I_jbuRnGTHHW6TD63CtciH75Dotfu2u8v6EmkWt-tjhkFRVLxRUwgMfKqqy5W24AolJayeo?w=500&auto=format" ,"lastIngestedAt" :"2023-09-18T12:28:27.000Z" },"spamClassifications" : [] },"tokenId" :"44" ,"tokenType" :"ERC721" ,"name" :"WoW #44" ,"tokenUri" :"https://alchemy.mypinata.cloud/ipfs/QmTNBQDbggLZdKF1fRgWnXsnRikd52zL5ciNu769g9JoUP/44" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"contentType" :"image/png" ,"size" :105117 ,"originalUrl" :"https://ipfs.io/ipfs/QmUkdJKCsV8ixm2eDLJGosH8Bntwwx942YXxfuF9yXPBzi" },"raw" : {"tokenUri" :"ipfs://QmTNBQDbggLZdKF1fRgWnXsnRikd52zL5ciNu769g9JoUP/44" ,"metadata" : {"name" :"WoW #44" ,"image" :"ipfs://QmUkdJKCsV8ixm2eDLJGosH8Bntwwx942YXxfuF9yXPBzi" ,"attributes" : [{"value" :"Green Orange" ,"trait_type" :"Background" }, {"value" :"Medium Gold" ,"trait_type" :"Skin Tone" }, {"value" :"Slight Smile" ,"trait_type" :"Mouth" }, {"value" :"Purple" ,"trait_type" :"Lips Color" }] } },"collection" : {"name" :"World of Women" ,"slug" :"world-of-women-nft" ,"externalUrl" :"http://worldofwomen.art" ,"bannerImageUrl" :"https://i.seadn.io/gae/GHhptRLebBOWOy8kfXpYCVqsqdes-1-6I_jbuRnGTHHW6TD63CtciH75Dotfu2u8v6EmkWt-tjhkFRVLxRUwgMfKqqy5W24AolJayeo?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-18T13:25:41.833Z" }

getNftMetadataBatch - SDK

Gets the NFT metadata for multiple NFT tokens.

Overview of Changes

- The
- getNftMetadataBatch
- method now returns an nft array in the V3 response instead of an array of NFTs in V2.
- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in the V3 response.
- The
- isSpam
- and
- classifications
- parameters for
- spamInfo
- on V2 has been added to the
- contract
- object in V3.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to an optional
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata.attributes
- parameter has been changed to

- raw.metadata.attributes
- in the V3 response.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3 response, which contains the
- tokenUri
- and
- metadata
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {//Call the method let response = await alchemy .nft .getNftMetadataBatch ([{contractAddress :"0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D" ,tokenId :"3" ,tokenType :"ERC721" }, {contractAddress :"0x8a90CAb2b38dba80c64b7734e58Ee1dB38B8992e" ,tokenId :"4" ,tokenType :"ERC721" }], {tokenUriTimeoutInMs :5000 ,refreshCache :true })//Logging the response to the console console .log (response) };main ();

V3 Example Request

Same as V2.

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.tokenType contract.tokenType contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications contract.openSea.floorPrice contract.openSeaMetadata.floorPrice contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt tokenId tokenId tokenType tokenType tokenUri tokenUri title name description description rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.attributes raw.metadata.attributes rawMetadata.error raw.error - raw.tokenUri media image - collection (New in V3) - mint (New in V3) timeLastUpdated timeLastUpdated

Example Responses

V2 Example Response

JSON [{"contract" : {"address" :"0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" ,"name" :"BoredApeYachtClub" ,"symbol" :"BAYC" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :34.5 ,"collectionName" :"Bored Ape Yacht Club" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/Ju9CkWtV-1Okvf45wo8UctR-M9He2PjILP0oOvxE89AyiPPGtrR3gysu1Zgy0hjd2xKIgjJJtWIc0ybj4Vd7wv8t3pxDGHoJBzDB?w=500&auto=format" ,"description" :"The Bored Ape Yacht Club is a collection of 10,000 unique Bored Ape NFTs— unique digital collectibles living on the Ethereum blockchain. Your Bored Ape doubles as your Yacht Club membership card, and grants access to members-only benefits, the first of which is access to THE BATHROOM, a collaborative graffiti board. Future areas and perks can be unlocked by the community through roadmap activation. Visit www.BoredApeYachtClub.com for more details." ,"externalUrl" :"http://www.boredapeyachtclub.com/" ,"twitterUsername" :"BoredApeYC" ,"discordUrl" :"https://discord.gg/3P5K3dzgdB" ,"lastIngestedAt" :"2023-07-10T01:34:04.000Z" },"contractDeployer" :"0xaba7161a7fb69c88e16ed9f455ce62b791ee4d03" ,"deployedBlockNumber" :12287507 },"tokenId" :"3" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-19T19:18:42.867Z" ,"rawMetadata" : {"image" :"ipfs://QmYxT4LnK8sqLupjbS6eRvu1si7Ly2wFQAqFebxhWntcf6" ,"attributes" : [{"trait_type" :"Background" ,"value" :"Purple" }, {"trait_type" :"Eyes" ,"value" :"Bored" }, {"trait_type" :"Mouth" ,"value" :"Tongue Out" }, {"trait_type" :"Clothes" ,"value" :"Bone Necklace" }, {"trait_type" :"Fur" ,"value" :"Cheetah" }] },"tokenUri" : {"gateway" :"https://ipfs.io/ipfs/QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/3" ,"raw" :"ipfs://QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/3" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/e93ceab748985031d68b8ac5a3e38ed1" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/e93ceab748985031d68b8ac5a3e38ed1" ,"raw" :"ipfs://QmYxT4LnK8sqLupjbS6eRvu1si7Ly2wFQAqFebxhWntcf6" ,"format" :"png" ,"bytes" :208822 }] }]

V3 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D" ,"name" :"BoredApeYachtClub" ,"symbol" :"BAYC" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xaBA7161A7fb69c88e16ED9f455CE62B791EE4D03" ,"deployedBlockNumber" :12287507 ,"openSeaMetadata" : {"floorPrice" :24.76 ,"collectionName" :"Bored Ape Yacht Club" ,"collectionSlug" :"boredapeyachtclub" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/Ju9CkWtV-1Okvf45wo8UctR-M9He2PjILP0oOvxE89AyiPPGtrR3gysu1Zgy0hjd2xKIgjJJtWIc0ybj4Vd7wv8t3pxDGHoJBzDB?w=500&auto=format" ,"description" :"The Bored Ape Yacht Club is a collection of 10,000 unique Bored Ape NFTs— unique digital collectibles living on the Ethereum blockchain. Your Bored Ape doubles as your Yacht Club membership card, and grants access to members-only benefits, the first of which is access to THE BATHROOM, a collaborative graffiti board. Future areas and perks can be unlocked by the community through roadmap activation. Visit www.BoredApeYachtClub.com for more details." ,"externalUrl" :"http://www.boredapeyachtclub.com/" ,"twitterUsername" :"BoredApeYC" ,"discordUrl" :"https://discord.gg/3P5K3dzgdB" ,"bannerImageUrl" :"https://i.seadn.io/gae/i5dYZRkVCUK97bfprQ3WXyrT9BnLSZtVKGJlKQ919uaUB0sxbngVCioaiyu9r6snqfi2aaTylvv6DHm4m2R3y7hMajbsv14pSZK8mhs?w=500&auto=format" ,"lastIngestedAt" :"2023-09-18T09:58:23.000Z" },"spamClassifications" : [] },"tokenId" :"3" ,"tokenType" :"ERC721" ,"tokenUri" :"https://ipfs.io/ipfs/QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/3" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/e93ceab748985031d68b8ac5a3e38ed1" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/e93ceab748985031d68b8ac5a3e38ed1" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/e93ceab748985031d68b8ac5a3e38ed1" ,"contentType" :"image/png" ,"size" :208822 ,"originalUrl" :"https://ipfs.io/ipfs/QmYxT4LnK8sqLupjbS6eRvu1si7Ly2wFQAqFebxhWntcf6" },"raw" : {"tokenUri" :"ipfs://QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/3" ,"metadata" : {"image" :"ipfs://QmYxT4LnK8sqLupjbS6eRvu1si7Ly2wFQAqFebxhWntcf6" ,"attributes" : [{"trait_type" :"Background" ,"value" :"Purple" }, {"trait_type" :"Fur" ,"value" :"Cheetah" }] } },"collection" : {"name" :"Bored Ape Yacht Club" ,"slug" :"boredapeyachtclub" ,"externalUrl" :"http://www.boredapeyachtclub.com/" ,"bannerImageUrl" :"https://i.seadn.io/gae/i5dYZRkVCUK97bfprQ3WXyrT9BnLSZtVKGJlKQ919uaUB0sxbngVCioaiyu9r6snqfi2aaTylvv6DHm4m2R3y7hMajbsv14pSZK8mhs?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-18T18:14:22.829Z" }, {"contract" : {"address" :"0x8a90CAb2b38dba80c64b7734e58Ee1dB38B8992e" ,"name" :"Doodles" ,"symbol" :"DOODLE" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x2B3Ab8e7BB14988616359B78709538b10900AB7D" ,"deployedBlockNumber" :13430097 ,"openSeaMetadata" : {"floorPrice" :1.55 ,"collectionName" :"Doodles" ,"collectionSlug" :"doodles-official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/7B0qai02OdHA8P_EOVK672qUliyjQdQDGNrACxs7WnTgZAkJa_wWURnIFKeOh5VTf8cfTqW3wQpozGedaC9mteKphEOtztls02RlWQ?w=500&auto=format" ,"description" :"A community-driven collectibles project featuring art by Burnt Toast. Doodles come in a joyful range of colors, traits and sizes with a collection size of 10,000. Each Doodle allows its owner to vote for experiences and activations paid for by the Doodles Community Treasury." ,"externalUrl" :"https://doodles.app" ,"twitterUsername" :"doodles" ,"discordUrl" :"https://discord.gg/doodles" ,"bannerImageUrl" :"https://i.seadn.io/gae/svc_rQkHVGf3aMI14v3pN-ZTI7uDRwN-QayvixX-nHSMZBgb1L1LReSg1-rXj4gNLJgAB0-yD8ERoT-Q2Gu4cy5AuSg-RdHF9bOxFDw?w=500&auto=format" ,"lastIngestedAt" :"2023-09-10T05:19:20.000Z" },"spamClassifications" : [] },"tokenId" :"4" ,"tokenType" :"ERC721" ,"name" :"Doodle #4" ,"description" :"A community-driven collectibles project featuring art by Burnt Toast. Doodles come in a joyful range of colors, traits and sizes with a collection size of 10,000. Each Doodle allows its owner to vote for experiences and activations paid for by the Doodles Community Treasury. Burnt Toast is the working alias for Scott Martin, a Canadian–based illustrator, designer, animator and muralist." ,"tokenUri" :"https://ipfs.io/ipfs/QmPMc4tcBsMqLRuCQtPmPe84bpSjrC3Ky7t3JWuHXYB4aS/4" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/f1fa2cc9dd6ddfc0449c5c30fb30fca4" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/f1fa2cc9dd6ddfc0449c5c30fb30fca4" ,"pngUrl"

:"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/f1fa2cc9dd6ddfc0449c5c30fb30fca4" ,"contentType" :"image/png" ,"size" :129566 ,"originalUrl" :"https://ipfs.io/ipfs/QmcyuFVLbfBmSeQ9ynu4dk67r97nB1abEekotuVuRGWedm" },"raw" : {"tokenUri" :"ipfs://QmPMc4tcBsMqLRuCQtPmPe84bpSjrC3Ky7t3JWuHXYB4aS/4" ,"metadata" : {"name" :"Doodle #4" ,"image" :"ipfs://QmcyuFVLbfBmSeQ9ynu4dk67r97nB1abEekotuVuRGWedm" ,"description" :"A community-driven collectibles project featuring art by Burnt Toast. Doodles come in a joyful range of colors, traits and sizes with a collection size of 10,000. Each Doodle allows its owner to vote for experiences and activations paid for by the Doodles Community Treasury. Burnt Toast is the working alias for Scott Martin, a Canadian–based illustrator, designer, animator and muralist." ,"attributes" : [{"value" :"happy" ,"trait_type" :"face" }, {"value" :"purple" ,"trait_type" :"head" }] } },"collection" : {"name" :"Doodles" ,"slug" :"doodles-official" ,"externalUrl" :"https://doodles.app" ,"bannerImageUrl" :"https://i.seadn.io/gae/svc_rQkHVGf3aMI14v3pN-ZTI7uDRwN-QayvixX-nHSMZBgb1L1LReSg1-rXj4gNLJgAB0-yD8ERoT-Q2Gu4cy5AuSg-RdHF9bOxFDw?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-18T08:18:52.566Z" }] }

refreshNftMetadata - SDK

Refreshes the cached metadata for a provided NFT contract address and token id. Returns a boolean value indicating whether the metadata was refreshed.

Overview of Changes

- There are no changes in the request structure or method name between V2 and V3.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {const contractAddress = "0x06012c8cf97bead5deae237070f9587f8e7a266d" ;const tokenId = "1" ;//Call the method let response = await alchemy .nft .refreshNftMetadata (contractAddress ,tokenId)//Logging the response to the console console .log (response) };main ();

V3 Example Request

Same as V2.

V2 <> V3 Mapping

V2 Parameter V3 Parameter boolean boolean

Example Responses

V2 Example Response

Shell false

V3 Example Response

JSON true

getNftSales - SDK

Returns NFT sales that have happened through on-chain marketplaces.

Overview of Changes

- The
- marketplaceAddress
- parameter has been added to the V3 response.
- The
- marketplaceFee
- has been removed from the V3 response.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {//Call the method to return the nft sales data const response = await alchemy .nft .getNftSales ()//Logging the response to the console console .log (response) };main ();

V3 Example Request

Same as V2.

V2 <> V3 Mapping

V2 Parameter V3 Parameter marketplace marketplace - marketplaceAddress (New in V3) contractAddress contractAddress tokenId tokenId quantity quantity buyerAddress buyerAddress sellerAddress sellerAddress taker taker sellerFee sellerFee marketplaceFee (Removed in V3) protocolFee protocolFee royaltyFee royaltyFee blockNumber blockNumber logIndex logIndex bundleIndex bundleIndex transactionHash transactionHash validAt validAt validAt.blockNumber validAt.blockNumber validAt.blockHash validAt.blockHash validAt.blockTimestamp validAt.blockTimestamp pageKey pageKey

Example Responses

V2 Example Response

JSON {"nftSales" : [{"marketplace" :"cryptopunks" ,"contractAddress" :"0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb" ,"tokenId" :"544" ,"quantity" :"1" ,"buyerAddress" :"0x5b098b00621eda6a96b7a476220661ad265f083f" ,"sellerAddress" :"0xc352b534e8b987e036a93539fd6897f53488e56a" ,"taker" :"seller" ,"sellerFee" : {"amount" :"10000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"marketplaceFee" : {},"protocolFee" : {},"royaltyFee" : {},"blockNumber" :3919706 ,"logIndex" :25 ,"bundleIndex" :0 ,"transactionHash" :"0xb28b5f2c186bf534e4fc4b8604b1496c9632e42269424f70ef1bdce61ea8ba52" }, {"marketplace" :"cryptopunks" ,"contractAddress" :"0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb" ,"tokenId" :"3134" ,"quantity" :"1" ,"buyerAddress" :"0xc352b534e8b987e036a93539fd6897f53488e56a" ,"sellerAddress" :"0x5b098b00621eda6a96b7a476220661ad265f083f" ,"taker" :"buyer" ,"sellerFee" : {"amount" :"10000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"marketplaceFee" : {},"protocolFee" : {},"royaltyFee" : {},"blockNumber" :3919721 ,"logIndex" :9 ,"bundleIndex" :0 ,"transactionHash" :"0x65579455ac3227e7b3db72b4e359e988bb16cae6d26c88818d1a6991b478b274" }, {"marketplace" :"cryptopunks" ,"contractAddress" :"0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb" ,"tokenId" :"5056" ,"quantity" :"1" ,"buyerAddress" :"0x00bd9fd57c423a1b1c969823d409156d90974d77" ,"sellerAddress" :"0xc352b534e8b987e036a93539fd6897f53488e56a" ,"taker" :"buyer" ,"sellerFee" : {"amount" :"100000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"marketplaceFee" : {},"protocolFee" : {},"royaltyFee" : {},"blockNumber" :3919847 ,"logIndex" :35 ,"bundleIndex" :0 ,"transactionHash" :"0xd79cca9282c06a0edb8f9426aae734119f0f2ed0d9683dfe3723dc7814f5fccd" }, {"marketplace" :"cryptopunks" ,"contractAddress" :"0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb" ,"tokenId" :"5719" ,"quantity" :"1" ,"buyerAddress" :"0x00bd3a6660309fb9e0129b9b777a9ccb9c2869dc" ,"sellerAddress" :"0x5b098b00621eda6a96b7a476220661ad265f083f" ,"taker" :"buyer" ,"sellerFee" : {"amount" :"40000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"marketplaceFee" : {},"protocolFee" : {},"royaltyFee" : {},"blockNumber" :4367925 ,"logIndex" :71 ,"bundleIndex" :0 ,"transactionHash" :"0xe6e1885bd2dd142c63b79df6aca0ad3213e37c3a9f01a550c30fa1b234d3c7f2" }],"validAt" : {"blockNumber" :17736688 ,"blockHash" :"0x09c001045ba91210c239bf53948ce23329306cd64fe9c1618d6b9459ff283817" ,"blockTimestamp" :"2023-07-20T20:13:35Z" },"pageKey" :"NDM2ODAyNSw3Miww" }

V3 Example Response

JSON {"nftSales" : [{"marketplace" :"cryptopunks" ,"marketplaceAddress" :"0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB" ,"contractAddress" :"0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB" ,"tokenId" :"544" ,"quantity" :"1" ,"buyerAddress" :"0x5b098b00621EDa6a96b7a476220661ad265F083f" ,"sellerAddress" :"0xC352B534e8b987e036A93539Fd6897F53488e56a" ,"taker" :"seller" ,"sellerFee" : {"amount" :"10000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"protocolFee" : {},"royaltyFee" : {},"blockNumber" :3919706 ,"logIndex" :25 ,"bundleIndex" :0 ,"transactionHash" :"0xb28b5f2c186bf534e4fc4b8604b1496c9632e42269424f70ef1bdce61ea8ba52" }, {"marketplace" :"cryptopunks" ,"marketplaceAddress" :"0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB" ,"contractAddress" :"0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB" ,"tokenId" :"3134" ,"quantity" :"1" ,"buyerAddress" :"0xC352B534e8b987e036A93539Fd6897F53488e56a" ,"sellerAddress" :"0x5b098b00621EDa6a96b7a476220661ad265F083f" ,"taker" :"buyer" ,"sellerFee" : {"amount" :"10000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"protocolFee" : {},"royaltyFee" : {},"blockNumber" :3919721 ,"logIndex" :9 ,"bundleIndex" :0 ,"transactionHash" :"0x65579455ac3227e7b3db72b4e359e988bb16cae6d26c88818d1a6991b478b274" }, {"marketplace" :"cryptopunks" ,"marketplaceAddress" :"0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB"

,"contractAddress" :"0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB" ,"tokenId" :"5445" ,"quantity" :"1" ,"buyerAddress" :"0x0f4023208058ecfFCb22A7409Df11F6D6013FE8A" ,"sellerAddress" :"0x0B30fD3a500608413837Bb025c2018933130F9DB" ,"taker" :"buyer" ,"sellerFee" : {"amount" :"130000000000000000" ,"tokenAddress" :"0x0000000000000000000000000000000000000000" ,"symbol" :"ETH" ,"decimals" :18 },"protocolFee" : {},"royaltyFee" : {},"blockNumber" :4367925 ,"logIndex" :71 ,"bundleIndex" :0 ,"transactionHash" :"0xe6e1885bd2dd142c63b79df6aca0ad3213e37c3a9f01a550c30fa1b234d3c7f2" }],"validAt" : {"blockNumber" :18213475 ,"blockHash" :"0xc839e3f01f73b8818899bad0d043b39c6ca0c9ec2150c62a9d195796b39c61a9" ,"blockTimestamp" :"2023-09-25T14:44:35Z" },"pageKey" :"NDM2ODAyNSw3Miww" }

summarizeNftAttributes - SDK

Get a summary of attribute prevalence for an NFT collection.

Overview of Changes

- There are no changes in the method's request, response format, or parameter names/structures between V2 and V3.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {const collection = "0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D" ;//Call the method to fetch a summary a attribute prevalence for an NFT collection. const response = await alchemy .nft .summarizeNftAttributes (collection)//Logging the response to the console console .log (response) };main ();

V3 Example Request

JavaScript Same as V2 .

Overview of Changes

- No changes have been made to the request or response structure in the transition from V2 to V3.

V2 <> V3 Mapping

V2 Parameter V3 Parameter totalSupply totalSupply contractAddress contractAddress summary summary

Example Responses

V2 Example Response

JSON {"summary" : {"Fur" : {"Tan" :626 ,"Death Bot" :175 ,"Trippy" :77 ,"Brown" :1370 ,"Gray" :496 ,"Golden Brown" :778 ,"Blue" :490 ,"Noise" :155 ,"Zombie" :302 ,"Cream" :636 ,"Solid Gold" :46 ,"Dmt" :215 ,"Black" :1229 ,"Cheetah" :406 ,"Dark Brown" :1352 ,"Red" :474 ,"Pink" :511 ,"White" :397 ,"Robot" :265 },"Eyes" : {"Heart" :394 ,"Sleepy" :751 ,"Eyepatch" :333 ,"X Eyes" :243 ,"Zombie" :308 ,"Angry" :432 ,"Coins" :479 ,"Blue Beams" :49 ,"Wide Eyed" :549 ,"Hypnotized" :220 ,"Bloodshot" :846 ,"Blindfold" :264 ,"Sunglasses" :352 ,"3d" :487 ,"Bored" :1714 ,"Laser Eyes" :69 ,"Cyborg" :108 ,"Crazy" :407 ,"Closed" :710 ,"Sad" :551 ,"Scumbag" :233 ,"Robot" :350 ,"Holographic" :151 },"Background" : {"Gray" :1170 ,"Aquamarine" :1266 ,"Blue" :1242 ,"Purple" :1291 ,"Yellow" :1283 ,"New Punk Blue" :1232 ,"Army Green" :1243 ,"Orange" :1273 },"Mouth" : {"Phoneme Vuh" :333 ,"Discomfort" :208 ,"Bored Unshaven Pipe" :101 ,"Bored Cigarette" :710 ,"Rage" :266 ,"Bored Bubblegum" :119 ,"Bored Pizza" :50 ,"Grin" :713 ,"Bored Party Horn" :88 ,"Bored" :2272 ,"Bored Unshaven Bubblegum" :65 ,"Bored Unshaven Cigarette" :438 ,"Jovial" :296 ,"Tongue Out" :202 ,"Grin Multicolored" :116 ,"Small Grin" :272 ,"Bored Unshaven Party horn" :45 ,"Phoneme ooo" :255 ,"Bored Unshaven" :1551 ,"Bored Unshaven Pizza" :26 ,"Bored Unshaven Dagger" :28 ,"Phoneme Wah" :163 ,"Phoneme Oh" :237 ,"Dumbfounded" :505 ,"Bored Pipe" :132 ,"Grin Gold Grill" :91 ,"Bored Unshaven Cigar" :94 ,"Phoneme L" :241 ,"Bored Unshaven Kazoo" :61 ,"Grin Diamond Grill" :78 ,"Bored Dagger" :49 ,"Bored Cigar" :121 ,"Bored Kazoo" :74 },"Clothes" : {"Smoking Jacket" :221 ,"Bone Necklace" :203 ,"Leather Jacket" :206 ,"Striped Tee" :412 ,"Bone Tee" :230 ,"Tweed Suit" :141 ,"Puffy Vest" :227 ,"Vietnam Jacket" :224 ,"Toga" :202 ,"Black Holes T" :205 ,"Prom Dress" :103 ,"Work Vest" :188 ,"Sleeveless Logo T" :144 ,"Tanktop" :235 ,"Hawaiian" :283 ,"Bayc T Black" :215 ,"Lumberjack Shirt" :213 ,"Hip Hop" :128 ,"Admirals Coat" :64 ,"Lab Coat" :144 ,"Pimp Coat" :80 ,"Prison Jumpsuit" :235 ,"Black Suit" :42 ,"Service" :142 ,"Blue Dress" :95 ,"Caveman Pelt" :163 ,"Sleeveless T" :252 ,"Guayabera" :232 ,"Sailor Shirt" :284 ,"Bayc T Red" :140 ,"Bandolier" :163 ,"Rainbow Suspenders" :135 ,"Tie Dye" :144 ,"Biker Vest" :253 ,"Space Suit" :105 ,"Cowboy Shirt" :119 ,"Navy Striped Tee" :334 ,"Stunt Jacket" :178 ,"Kings Robe" :68 ,"Wool Turtleneck" :240 ,"Leather Punk Jacket" :153 ,"Black T" :334 ,"Tuxedo Tee" :235 },"Earring" : {"Gold Hoop" :462 ,"Silver Hoop" :882 ,"Silver Stud" :823 ,"Gold Stud" :439 ,"Cross" :149 ,"Diamond Stud" :222 },"Hat" : {"Trippy Captain's Hat" :65 ,"Bayc Flipped Brim" :231 ,"Short Mohawk" :318 ,"Safari" :182 ,"Cowboy Hat" :354 ,"Sea Captain's Hat" :304 ,"Vietnam Era Helmet" :223 ,"Sushi Chef Headband" :187 ,"Irish Boho" :225 ,"Girl's Hair Short" :150 ,"Laurel Wreath" :72 ,"Girl's Hair Pink" :105 ,"Bayc Hat Red" :119 ,"Horns" :252 ,"Fisherman's Hat" :345 ,"Bowler" :262 ,"Spinner Hat" :181 ,"Faux Hawk" :136 ,"Seaman's Hat" :420 ,"Ww2 Pilot Helm" :110 ,"Party Hat 1" :120 ,"Party Hat 2" :107 ,"Beanie" :578 ,"King's Crown" :77 ,"Army Hat" :294 ,"Commie Hat" :304 ,"Bunny Ears" :195 ,"S&m Hat" :235 ,"Stuntman Helmet" :157 ,"Fez" :377 ,"Bandana Blue" :89 ,"Bayc Hat Black" :228 ,"Halo" :324 ,"Police Motorcycle Helmet" :130 ,"Prussian Helmet" :130 ,"Baby's Bonnet" :158 } },"totalSupply" :10000 ,"contractAddress" :"0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" }

V3 Example Response

JSON {"summary" : {"Fur" : {"Tan" :626 ,"Death Bot" :175 ,"Trippy" :77 ,"Brown" :1370 ,"Gray" :496 ,"Golden Brown" :778 ,"Blue" :490 ,"Noise" :155 ,"Zombie" :302 ,"Cream" :636 ,"Solid Gold" :46 ,"Dmt" :215 ,"Black" :1229 ,"Cheetah" :406 ,"Dark Brown" :1352 ,"Red" :474 ,"Pink" :511 ,"White" :397 ,"Robot" :265 },"Eyes" : {"Heart" :394 ,"Sleepy" :751 ,"Eyepatch" :333 ,"X Eyes" :243 ,"Zombie" :308 ,"Angry" :432 ,"Coins" :479 ,"Blue Beams" :49 ,"Wide Eyed" :549 ,"Hypnotized" :220 ,"Bloodshot" :846 ,"Blindfold" :264 ,"Sunglasses" :352 ,"3d" :487 ,"Bored" :1714 ,"Laser Eyes" :69 ,"Cyborg" :108 ,"Crazy" :407 ,"Closed" :710 ,"Sad" :551 ,"Scumbag" :233 ,"Robot" :350 ,"Holographic" :151 },"Background" : {"Gray" :1170 ,"Aquamarine" :1266 ,"Blue" :1242 ,"Purple" :1291 ,"Yellow" :1283 ,"New Punk Blue" :1232 ,"Army Green" :1243 ,"Orange" :1273 },"Mouth" : {"Phoneme Vuh" :333 ,"Discomfort" :208 ,"Bored Unshaven Pipe" :101 ,"Bored Cigarette" :710 ,"Rage" :266 ,"Bored Bubblegum" :119 ,"Bored Pizza" :50 ,"Grin" :713 ,"Bored Party Horn" :88 ,"Bored" :2272 ,"Bored Unshaven Bubblegum" :65 ,"Bored Unshaven Cigarette" :438 ,"Jovial" :296 ,"Tongue Out" :202 ,"Grin Multicolored" :116 ,"Small Grin" :272 ,"Bored Unshaven Party horn" :45 ,"Phoneme ooo" :255 ,"Bored Unshaven" :1551 ,"Bored Unshaven Pizza" :26 ,"Bored Unshaven Dagger" :28 ,"Phoneme Wah" :163 ,"Phoneme Oh" :237 ,"Dumbfounded" :505 ,"Bored Pipe" :132 ,"Grin Gold Grill" :91 ,"Bored Unshaven Cigar" :94 ,"Phoneme L" :241 ,"Bored Unshaven Kazoo" :61 ,"Grin Diamond Grill" :78 ,"Bored Dagger" :49 ,"Bored Cigar" :121 ,"Bored Kazoo" :74 },"Clothes" : {"Smoking Jacket" :221 ,"Bone Necklace" :203 ,"Leather Jacket" :206 ,"Striped Tee" :412 ,"Bone Tee" :230 ,"Tweed Suit" :141 ,"Puffy Vest" :227 ,"Vietnam Jacket" :224 ,"Toga" :202 ,"Black Holes T" :205 ,"Prom Dress" :103 ,"Work Vest" :188 ,"Sleeveless Logo T" :144 ,"Tanktop" :235 ,"Hawaiian" :283 ,"Bayc T Black" :215 ,"Lumberjack Shirt" :213 ,"Hip Hop" :128 ,"Admirals Coat" :64 ,"Lab Coat" :144 ,"Pimp Coat" :80 ,"Prison Jumpsuit" :235 ,"Black Suit" :42 ,"Service" :142 ,"Blue Dress" :95 ,"Caveman Pelt" :163 ,"Sleeveless T" :252 ,"Guayabera" :232 ,"Sailor Shirt" :284 ,"Bayc T Red" :140 ,"Bandolier" :163 ,"Rainbow Suspenders" :135 ,"Tie Dye" :144 ,"Biker Vest" :253 ,"Space Suit" :105 ,"Cowboy Shirt" :119 ,"Navy Striped Tee" :334 ,"Stunt Jacket" :178 ,"Kings Robe" :68 ,"Wool Turtleneck" :240 ,"Leather Punk Jacket" :153 ,"Black T" :334 ,"Tuxedo Tee" :235 },"Earring" : {"Gold Hoop" :462 ,"Silver Hoop" :882 ,"Silver Stud" :823 ,"Gold Stud" :439 ,"Cross" :149 ,"Diamond Stud" :222 },"Hat" : {"Trippy Captain's Hat" :65 ,"Bayc Flipped Brim" :231 ,"Short Mohawk" :318 ,"Safari" :182 ,"Cowboy Hat" :354 ,"Sea Captain's Hat" :304 ,"Vietnam Era Helmet" :223 ,"Sushi Chef Headband" :187 ,"Irish Boho" :225 ,"Girl's Hair Short" :150 ,"Laurel Wreath" :72 ,"Girl's Hair Pink" :105 ,"Bayc Hat Red" :119 ,"Horns" :252 ,"Fisherman's Hat" :345 ,"Bowler" :262 ,"Spinner Hat" :181 ,"Faux Hawk" :136 ,"Seaman's Hat" :420 ,"Ww2 Pilot Helm" :110 ,"Party Hat 1" :120 ,"Party Hat 2" :107 ,"Beanie" :578 ,"King's Crown" :77 ,"Army Hat" :294 ,"Commie Hat" :304 ,"Bunny Ears" :195 ,"S&m Hat" :235 ,"Stuntman Helmet" :157 ,"Fez" :377 ,"Bandana Blue" :89 ,"Bayc Hat Black" :228 ,"Halo" :324 ,"Police Motorcycle Helmet" :130 ,"Prussian Helmet" :130 ,"Baby's Bonnet" :158 } },"totalSupply" :10000 ,"contractAddress" :"0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" }

searchContractMetadata - SDK

Search for a keyword across the metadata of all ERC-721 and ERC-1155 smart contracts.

Overview of Changes

- The V3 response now lists the metadata objects within a
- contracts
- Array.
- The
- openSea
- object in the V2 response has been changed to
- openSeaMetadata
- in the V3 response.
- The
- openSeaMetadata
- object in the V3 response now contains the
- collectionSlug
- and
- bannerImageUrl
- parameters.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {const kw = "hair" //Call the method to fetch metadata const response = await alchemy .nft .searchContractMetadata (kw)//Logging the response to the console console .log (response) };main ();

V3 Example Request

JavaScript Same as V2 .

V2 <> V3 Mapping

V2 Parameter V3 Parameter address address name name symbol symbol totalSupply totalSupply tokenType tokenType openSea.floorPrice openSeaMetadata.floorPrice openSea.collectionName openSeaMetadata.collectionName - openSeaMetadata.collectionSlug (New in V3) openSea.safelistRequestStatus openSeaMetadata.safelistRequestStatus openSea.imageUrl openSeaMetadata.imageUrl openSea.description openSeaMetadata.description openSea.externalUrl openSeaMetadata.externalUrl openSea.twitterUsername openSeaMetadata.twitterUsername openSea.discordUrl openSeaMetadata.discordUrl openSea.lastIngestedAt openSeaMetadata.lastIngestedAt - openSeaMetada.bannerImageUrl (New in V3) contractDeployer contractDeployer deployedBlockNumber deployedBlockNumber

Example Responses

V2 Example Response

JSON [{"address" :"0x1eac31a0b93e81bd093d116f5d36a83be08f381b" ,"name" :"Sneakr Token" ,"symbol" :"SNKR" ,"totalSupply" :"326" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0 ,"collectionName" :"SneakrCred Drop 1: EthAIReum" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/7JKgjQsQP6PNiuuT6J7upfs4Iq3btwg1zFMxpzvW9ZFpGFWrf0i2H08vbG-1glj9ZY9HDUxco5z_xMWc7e_f5myd5A?w=500&auto=format" ,"description" :"The first official Sneakr Drop." ,"externalUrl" :"https://www.sneakrcred.com" ,"lastIngestedAt" :"2023-07-12T23:18:43.000Z" },"contractDeployer" :"0xccb74148d315b0397da4e3c7482036dbadd762e5" ,"deployedBlockNumber" :9458121 }, {"address" :"0x7e2a853626d75321d2b6ed060f6320324d31b7e8" ,"name" :"Happy Little Hairdos" ,"symbol" :"HLHD" ,"totalSupply" :"240" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.05 ,"collectionName" :"Happy Little Hairdos" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gae/bx3ZIky25jfqxG_ield-BWVNuWvoOLJsqm-1TPN90xVuzyLrEjROQAX_Qf2jgMb5OrCsF_OKaRWq3DEpWztPRK2DriuRMN997kar?w=500&auto=format" ,"description" :"Happy Little Hairdos is a parody collection of 10,000 unique NFTs celebrating the man we all know as the painter with a Fro. Straight from the imagination & hand of artist J.J. Weinberg, what began as a Prismacolor illustration on paper in 2014 & an idea of a ☕ table ???? has found its way onto the blockchain. Weinberg is determined to push the envelope on the connection of the metaverse & the physical world. Let the #FROMO begin!\r\n\r\nDetails - www.happylittlehairdos.com\r\n\r\nHighlights\r\n\r\nArt / Print quality images 3000x3000k (Set to print at 10”x10” 300 dpi)\r\nCoffee table book featuring “Curated Cuts” & randomly chosen HLHD’s\r\nInfinite “Bob”jects\r\nEarly access to merch via the Fromo Boutique\r\n“Curated Cuts for a Cause” the rarity’s for charity on these special tokens outside of the 10K\r\nAccess to Alexander Bill’s “ART”cade\r\nSpecial token access to commissioned work by the artist & derivative license\r\nJoy of Minting mini-series\r\nSpecial thanks @cheforche - IG @jjweinberg - IG" ,"externalUrl" :"https://www.happylittlehairdos.com" ,"twitterUsername" :"happylittlehair" ,"discordUrl" :"https://discord.gg/kWFU5xP74W" ,"lastIngestedAt" :"2023-07-12T23:20:03.000Z" },"contractDeployer" :"0x5582809dd5d7b8848397c6033d8a41e4b06f8ded" ,"deployedBlockNumber" :12885162 }, {"address" :"0x82cb9d20862641301c987f0b096086d32bc11b65" ,"name" :"AStrandOfHair" ,"symbol" :"ASOH" ,"totalSupply" :"10358" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0 ,"collectionName" :"AStrandOfHair" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gcs/files/5aa37f4f867ad6f1d5ab710f67f6cfdd.jpg?w=500&auto=format" ,"description" :"It's a metaverse built by wizards. From just a strand of hair to the entire world. We are not just a meme, we are a culture strongly rooted by our community. " ,"externalUrl" :"https://astrandofhair.xyz/" ,"twitterUsername" :"Hair_xyz" ,"lastIngestedAt" :"2023-07-13T04:09:33.000Z" },"contractDeployer" :"0xc4c2a776a352a8994be83d2ef2bb4a9604dc6e97" ,"deployedBlockNumber" :15210942 }, {"address" :"0xbd5bd01e9445d24d83e8607ac0a64d71c9d36933" ,"name" :"Queens+KingsHair" ,"symbol" :"Q+KTH" ,"totalSupply" :"3623" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0045 ,"collectionName" :"Queens+Kings Traits" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gae/0OkPiJqvKO7oAJYU7pNGp3Y2nGgCm98itXBnCa12xpEttaVw9HuUFhFNXmE0lfaQjZGpxa6N8KrZtHcX1InpNzNtaBkW8kslTwYwAQ?w=500&auto=format" ,"description" :"Queens+Kings overthrow hierarchies in contemporary art and re-mint your CryptoRealm:\nCreated by Hackatao and NFT Studios, supported by Sotheby’s\n\n6,900 Queens+Kings: interchangeable NFT traits, randomly allocated and algorithmically generated. The avatars can then be hacked by the collectors, customized, disassembled and assembled on the dedicated website builder. In the cryptoverse, a non-hierarchical community is in charge, traditional roles of the art world are subverted. Hack the Royals, let the Self-Crowning begin. " ,"externalUrl" :"https://queenskings.hackatao.com/" ,"twitterUsername" :"Hackatao" ,"discordUrl" :"https://discord.gg/hackatao" ,"lastIngestedAt" :"2023-07-14T19:19:37.000Z" },"contractDeployer" :"0x139c8919ce2b7fb8a04f929d83b8c54c116c692b" ,"deployedBlockNumber" :13984623 }, {"address" :"0xcba843509a832131eb6f72845482abd440f75dc7" ,"name" :"Wind In Her Hair " ,"symbol" :"PHOTO" ,"totalSupply" :"1" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0 ,"collectionName" :"Wind In Her Hair." ,"safelistRequestStatus" :"requested" ,"imageUrl" :"https://i.seadn.io/gae/zZvfeMVYtZRk92TFIb7-ytogC7D7kbG50V_V_35yFBilinbVoZNEzHJ_wuqAzFK59BvejB0gM2SlFsVpiwWKJZNjWc0Xoytc2H-2?w=500&auto=format" ,"description" :"Stories about loneliness on a lost island" ,"twitterUsername" :"xeniiau" ,"lastIngestedAt" :"2023-07-15T01:43:37.000Z" },"contractDeployer" :"0x56e6b5de6a4e680e49bf1de3e14b2d49e51103ff" ,"deployedBlockNumber" :14423329 }, {"address" :"0x55fd148b0b0df020b5cc49d00bc9b1464afd85dd" ,"name" :"A Portrait Study of Hair" ,"symbol" :"HAIR" ,"totalSupply" :"4" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0 ,"collectionName" :"A Portrait Study of Hair" ,"safelistRequestStatus" :"not_requested" ,"lastIngestedAt" :"2023-07-09T22:59:19.000Z" },"contractDeployer" :"0x3ae33a926a69aeb1ca977cec976b9e53fa84fc25" ,"deployedBlockNumber" :14230101 }]

V3 Example Response

JSON {"contracts" : [{"address" :"0x1EaC31A0B93E81bd093d116f5D36a83Be08f381B" ,"name" :"Sneakr Token" ,"symbol" :"SNKR" ,"totalSupply" :"326" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xccB74148D315B0397dA4e3C7482036dbaDD762e5" ,"deployedBlockNumber" :9458121 ,"openSeaMetadata" : {"floorPrice" :0 ,"collectionName" :"SneakrCred Drop 1: EthAIReum" ,"collectionSlug" :"sneakr-token" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/7JKgjQsQP6PNiuuT6J7upfs4Iq3btwg1zFMxpzvW9ZFpGFWrf0i2H08vbG-1glj9ZY9HDUxco5z_xMWc7e_f5myd5A?w=500&auto=format" ,"description" :"The first official Sneakr Drop." ,"externalUrl" :"https://www.sneakrcred.com" ,"lastIngestedAt" :"2023-09-09T23:18:24.000Z" } }, {"address" :"0x7E2A853626D75321d2B6eD060f6320324D31b7e8" ,"name" :"Happy Little Hairdos" ,"symbol" :"HLHD" ,"totalSupply" :"241" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x5582809Dd5d7b8848397C6033D8a41e4b06F8dEd" ,"deployedBlockNumber" :12885162 ,"openSeaMetadata" : {"floorPrice" :0.05 ,"collectionName" :"Happy Little Hairdos" ,"collectionSlug" :"hlhd" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gae/bx3ZIky25jfqxG_ield-BWVNuWvoOLJsqm-1TPN90xVuzyLrEjROQAX_Qf2jgMb5OrCsF_OKaRWq3DEpWztPRK2DriuRMN997kar?w=500&auto=format" ,"description" :"Happy Little Hairdos is a parody collection of 10,000 unique NFTs celebrating the man we all know as the painter with a Fro. Straight from the imagination & hand of artist J.J. Weinberg, what began as a Prismacolor illustration on paper in 2014 & an idea of a ☕ table ???? has found its way onto the blockchain. Weinberg is determined to push the envelope on the connection of the metaverse & the physical world. Let the #FROMO begin!\r\n\r\nDetails - www.happylittlehairdos.com\r\n\r\nHighlights\r\n\r\nArt / Print quality images 3000x3000k (Set to print at 10”x10” 300 dpi)\r\nCoffee table book featuring “Curated Cuts” & randomly chosen HLHD’s\r\nInfinite “Bob”jects\r\nEarly access to merch via the Fromo Boutique\r\n“Curated Cuts for a Cause” the rarity’s for charity on these special tokens outside of the 10K\r\nAccess to Alexander Bill’s “ART”cade\r\nSpecial token access to commissioned work by the artist & derivative license\r\nJoy of Minting mini-series\r\nSpecial thanks @cheforche - IG @jjweinberg - IG" ,"externalUrl" :"https://www.happylittlehairdos.com" ,"twitterUsername" :"happylittlehair" ,"discordUrl" :"https://discord.gg/kWFU5xP74W" ,"bannerImageUrl" :"https://i.seadn.io/gae/WhmKRaraSN-sWNMtKm6BIiZ95ikkJ9Ey9Q6KaVtwxpAmI7MmaOi8D6X_JrBsJBU0bY4VRmNaRDXP7jnSpBnCvrtMevqJL6UJGjhByg?w=500&auto=format" ,"lastIngestedAt" :"2023-09-09T23:19:57.000Z" } }, {"address" :"0x82Cb9D20862641301C987f0b096086d32bC11B65" ,"name" :"AStrandOfHair" ,"symbol" :"ASOH" ,"totalSupply" :"10358" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xC4c2a776A352A8994be83D2ef2Bb4A9604DC6E97" ,"deployedBlockNumber" :15210942 ,"openSeaMetadata" : {"floorPrice" :0 ,"collectionName" :"AStrandOfHair" ,"collectionSlug" :"astrandofhair" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gcs/files/5aa37f4f867ad6f1d5ab710f67f6cfdd.jpg?w=500&auto=format" ,"description" :"It's a metaverse built by wizards. From just a strand of hair to the entire world. We are not just a meme, we are a culture strongly rooted by our community. " ,"externalUrl" :"https://astrandofhair.xyz/" ,"twitterUsername" :"Hair_xyz" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/3e75adaed1ac45184ea446175e8856d9.jpg?w=500&auto=format" ,"lastIngestedAt" :"2023-09-10T01:35:01.000Z" } }, {"address" :"0xBd5BD01e9445d24D83E8607Ac0a64D71C9D36933" ,"name" :"Queens+KingsHair" ,"symbol" :"Q+KTH" ,"totalSupply" :"3638" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x139C8919Ce2B7fb8A04F929d83b8C54C116c692b" ,"deployedBlockNumber" :13984623 ,"openSeaMetadata" : {"floorPrice" :0.003 ,"collectionName" :"Queens+Kings Traits" ,"collectionSlug" :"queenskings-traits" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gae/0OkPiJqvKO7oAJYU7pNGp3Y2nGgCm98itXBnCa12xpEttaVw9HuUFhFNXmE0lfaQjZGpxa6N8KrZtHcX1InpNzNtaBkW8kslTwYwAQ?w=500&auto=format" ,"description" :"Queens+Kings overthrow hierarchies in contemporary art and re-mint your CryptoRealm:\nCreated by Hackatao and NFT Studios, supported by Sotheby’s\n\n6,900 Queens+Kings: interchangeable NFT traits, randomly allocated and algorithmically generated. The avatars can then be hacked by the collectors, customized, disassembled and assembled on the dedicated website builder. In the cryptoverse, a non-hierarchical community is in charge, traditional roles of the art world are subverted. Hack the Royals, let the Self-Crowning begin. " ,"externalUrl" :"https://queenskings.hackatao.com/" ,"twitterUsername" :"Hackatao" ,"discordUrl" :"https://discord.gg/hackatao" ,"bannerImageUrl" :"https://i.seadn.io/gae/k8DXM0eWdF14zud9pr7RURMhC0_zwuEigV_oG3hy5A9HlnKkjoH4lYaPVU5-2O4qC0g46HTWTwUQhKM3ZElgaIJJgqCGcgusGWWIK8Q?w=500&auto=format" ,"lastIngestedAt" :"2023-09-10T18:44:05.000Z" } }, {"address" :"0x57e876FaEFD30bCEF9B154812Ba4d29396308C38" ,"name" :"A CHAIR IN THE SKY" ,"symbol" :"SKYCHAIR" ,"totalSupply" :"5" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xaB3627317c43D394eb171170f818153B976D28A3" ,"deployedBlockNumber" :16288864 ,"openSeaMetadata" : {"floorPrice" :0 ,"collectionName" :"A CHAIR IN THE SKY" ,"collectionSlug" :"a-chair-in-the-sky" ,"safelistRequestStatus" :"not_requested" ,"lastIngestedAt" :"2023-09-18T10:20:33.000Z" } }] }

getNftsForOwnerIterator - SDK

Fetches all NFTs for a given owner and yields them in an async iterable.

This method returns the full NFT for the owner and pages through all page keys until all NFTs have been fetched. To get all NFTs without their associated metadata, use the options parameter in the request's body.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in V3.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata

- object in V3.
- The
- title
- parameter in V2 has been changed to a
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata.attributes
- parameter has been changed to
- raw.metadata.attributes
- in V3.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3, which contains the
- tokenUri
- and
- metadata
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- isSpam
- and
- spamClassifications
- parameters for
- spamInfo
- in V2 have been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {// define the owner address whose NFTs you want to fetch const owner = "0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ;// create an async generator function that uses the getNftsForOwnerIterator method async function getNftsForOwner () {try {let nfts = [];// Get the async iterable for the owner's NFTs. const nftsIterable = alchemy .nft .getNftsForOwnerIterator (owner);// Iterate over the NFTs and add them to the nfts array. for await (const nft of nftsIterable) {nfts .push (nft); }// Log the NFTs. console .log (nfts); }catch (error) {console .log (error); } }getNftsForOwner (); };main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.tokenType contract.tokenType contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt tokenId tokenId tokenType tokenType tokenUri tokenUri title name description description rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.attributes raw.metadata.attributes rawMetadata.error raw.error - raw.tokenUri media image - collection (New in V3) - mint (New in V3) balance balance timeLastUpdated timeLastUpdated - acquiredAt

Example Responses

V2 Example Response

JSON [{"contract" : {"address" :"0x06012c8cf97bead5deae237070f9587f8e7a266d" ,"name" :"CryptoKitties" ,"symbol" :"CK" ,"totalSupply" :"2022876" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0039 ,"collectionName" :"CryptoKitties" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/C272ZRW1RGGef9vKMePFSCeKc1Lw6U40wl9ofNVxzUxFdj84hH9xJRQNf-7wgs7W8qw8RWe-1ybKp-VKuU5D-tg?w=500&auto=format" ,"description" :"CryptoKitties is a game centered around breedable, collectible, and oh-so-adorable creatures we call CryptoKitties! Each cat is one-of-a-kind and 100% owned by you; it cannot be replicated, taken away, or destroyed." ,"externalUrl" :"https://www.cryptokitties.co/" ,"twitterUsername" :"CryptoKitties" ,"discordUrl" :"https://discord.gg/cryptokitties" ,"lastIngestedAt" :"2023-07-15T21:20:09.000Z" },"contractDeployer" :"0xba52c75764d6f594735dc735be7f1830cdf58ddf" ,"deployedBlockNumber" :4605167 },"tokenId" :"1289657" ,"tokenType" :"ERC721" ,"title" :"Nala" ,"description" :"" ,"timeLastUpdated" :"2023-07-10T19:05:02.342Z" ,"rawMetadata" : {"birthday" :"2018-12-16T00:00:00.000Z" ,"hatched" :true ,"enhanced_cattributes" : [{"description" :"spock" ,"position" :5850 ,"type" :"pattern" ,"kittyId" :680104 }, {"description" :"soserious" ,"type" :"mouth" ,"kittyId" :1289657 }, {"description" :"chronic" ,"position" :87 ,"type" :"eyes" ,"kittyId" :468466 }, {"description" :"fox" ,"position" :28 ,"type" :"body" ,"kittyId" :916054 }, {"description" :"mauveover" ,"position" :13 ,"type" :"colorprimary" ,"kittyId" :11610 }, {"description" :"se7" ,"position" :- 1 ,"type" :"secret" ,"kittyId" :1289657 }],"color" :"cyan" ,"created_at" :"2018-12-16T08:12:41.000Z" ,"bio" :"En Taro Adun! I'm Nala. I am currently trying to start my own company making berets for tripod kitties. I combine the best qualities of Ryan Gosling, Benjamin Franklin, and Raekwon. I can tell you like to get into trouble." ,"language" :"en" ,"auction" : {},"offer" : {},"children" : [{"generation" :14 ,"owner" : {"address" :"0x002781a27becd321d831d815e3fa386944b329c8" },"hatched" :true ,"enhanced_cattributes" : [],"color" :"cyan" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1290051.png" ,"is_exclusive" :false ,"created_at" :"2018-12-16T10:31:23.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1290051.png" ,"kitty_type" :"fancy" ,"fancy_type" :"Pawrula" ,"name" :"Pawrula The Bright" ,"owner_wallet_address" :"0x002781a27becd321d831d815e3fa386944b329c8" ,"id" :1290051 ,"is_fancy" :true ,"wrapped" :true ,"image_url_cdn"

:"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1290051.png" ,"status" : {"is_ready" :true ,"cooldown" :1527648022509 ,"is_gestating" :false } }, {"generation" :14 ,"owner" : {"address" :"0x65e10a29e0bf9bfda353ab3d44fe127bf2e09a4b" },"hatched" :true ,"enhanced_cattributes" : [{"description" :"soserious" ,"position" :- 1 ,"type" :"mouth" ,"kittyId" :1903269 }, {"description" :"chronic" ,"position" :87 ,"type" :"eyes" ,"kittyId" :468466 }, {"description" :"camo" ,"position" :1001 ,"type" :"pattern" ,"kittyId" :680201 }, {"description" :"koladiviya" ,"position" :31 ,"type" :"body" ,"kittyId" :744561 }, {"description" :"mauveover" ,"position" :13 ,"type" :"colorprimary" ,"kittyId" :11610 }, {"description" :"coffee" ,"position" :- 1 ,"type" :"colorsecondary" ,"kittyId" :1903269 }, {"description" :"sandalwood" ,"position" :60 ,"type" :"colortertiary" ,"kittyId" :337860 }, {"description" :"doridnudibranch" ,"position" :132 ,"type" :"coloreyes" ,"kittyId" :680079 }],"color" :"doridnudibranch" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1903269.svg" ,"is_exclusive" :false ,"created_at" :"2020-04-23T22:10:56.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1903269.png" ,"name" :"Fressbert" ,"owner_wallet_address" :"0x65e10a29e0bf9bfda353ab3d44fe127bf2e09a4b" ,"id" :1903269 ,"is_fancy" :false ,"wrapped" :false ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1903269.svg" ,"status" : {"is_ready" :true ,"cooldown" :1607028977617 ,"is_gestating" :false } }],"id" :1289657 ,"is_fancy" :false ,"wrapped" :true ,"generation" :13 ,"owner" : {"address" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"hasDapper" :false },"genes" :"508101394017420297960203117038449397458346282085579186181678174847507224" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.svg" ,"is_prestige" :false ,"is_exclusive" :false ,"is_special_edition" :false ,"purrs" : {"count" :1 ,"is_purred" :false },"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.png" ,"hatcher" : {"image" :"5" ,"address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" ,"hasDapper" :false ,"nickname" :"Kitten Mittens LLC 10D 10K 10H" },"background_color" :"#c5eefa" ,"name" :"Nala" ,"matron" : {"generation" :12 ,"owner" : {"address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" },"hatched" :true ,"enhanced_cattributes" : [{"description" :"soserious" ,"position" :- 1 ,"type" :"mouth" ,"kittyId" :1289248 }, {"description" :"chronic" ,"position" :87 ,"type" :"eyes" ,"kittyId" :468466 }, {"description" :"camo" ,"position" :1001 ,"type" :"pattern" ,"kittyId" :680201 }, {"description" :"manul" ,"position" :36 ,"type" :"body" ,"kittyId" :803032 }, {"description" :"martian" ,"position" :72 ,"type" :"colorprimary" ,"kittyId" :916364 }, {"description" :"butterscotch" ,"position" :13 ,"type" :"colorsecondary" ,"kittyId" :750763 }, {"description" :"purplehaze" ,"position" :28 ,"type" :"colortertiary" ,"kittyId" :484303 }, {"description" :"topaz" ,"position" :- 1 ,"type" :"coloreyes" ,"kittyId" :1289248 }],"color" :"topaz" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289248.svg" ,"is_exclusive" :false ,"created_at" :"2018-12-16T05:37:33.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289248.png" ,"name" :"Sergeant Delibinky" ,"owner_wallet_address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" ,"id" :1289248 ,"is_fancy" :false ,"wrapped" :false ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289248.svg" ,"status" : {"is_ready" :true ,"cooldown" :1521350296999 ,"is_gestating" :false } },"sire" : {"generation" :12 ,"owner" : {"address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" },"hatched" :true ,"enhanced_cattributes" : [],"color" :"topaz" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289336.png" ,"is_exclusive" :false ,"created_at" :"2018-12-16T06:15:48.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289336.png" ,"kitty_type" :"fancy" ,"fancy_type" :"Pawrula" ,"name" :"Pawrula The Bright" ,"owner_wallet_address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" ,"id" :1289336 ,"is_fancy" :true ,"wrapped" :false ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289336.png" ,"status" : {"is_ready" :true ,"cooldown" :1521366384221 ,"is_gestating" :false } },"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.svg" ,"watchlist" : {"count" :0 ,"is_watchlisted" :false },"status" : {"is_ready" :true ,"cooldown_end_block" :9932251 ,"cooldown" :1571707809089 ,"dynamic_cooldown" :1595199834562 ,"cooldown_index" :8 ,"is_gestating" :false } },"tokenUri" : {"gateway" :"https://api.cryptokitties.co/v3/kitties/1289657" ,"raw" :"https://api.cryptokitties.co/v3/kitties/1289657" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/5bd85609cdacb4214faab3d08e13bd9f" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/5bd85609cdacb4214faab3d08e13bd9f" ,"raw" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.svg" ,"format" :"svg+xml" ,"bytes" :63131 }],"balance" :1 }]

V3 Example Response

JSON [{"contract" : {"address" :"0x06012c8cf97BEaD5deAe237070F9587f8E7A266d" ,"name" :"CryptoKitties" ,"symbol" :"CK" ,"totalSupply" :"2023232" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xba52c75764d6F594735dc735Be7F1830CDf58dDf" ,"deployedBlockNumber" :4605167 ,"openSeaMetadata" : {"floorPrice" :0.006 ,"collectionName" :"CryptoKitties" ,"collectionSlug" :"cryptokitties" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/C272ZRW1RGGef9vKMePFSCeKc1Lw6U40wl9ofNVxzUxFdj84hH9xJRQNf-7wgs7W8qw8RWe-1ybKp-VKuU5D-tg?w=500&auto=format" ,"description" :"CryptoKitties is a game centered around breedable, collectible, and oh-so-adorable creatures we call CryptoKitties! Each cat is one-of-a-kind and 100% owned by you; it cannot be replicated, taken away, or destroyed." ,"externalUrl" :"https://www.cryptokitties.co/" ,"twitterUsername" :"CryptoKitties" ,"discordUrl" :"https://discord.gg/cryptokitties" ,"bannerImageUrl" :"https://i.seadn.io/gcs/static/banners/cryptokitties-banner2.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-18T00:29:33.000Z" },"spamClassifications" : [] },"tokenId" :"1289657" ,"tokenType" :"ERC721" ,"name" :"Nala" ,"tokenUri" :"https://api.cryptokitties.co/v3/kitties/1289657" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/5bd85609cdacb4214faab3d08e13bd9f" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/5bd85609cdacb4214faab3d08e13bd9f" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/5bd85609cdacb4214faab3d08e13bd9f" ,"contentType" :"image/svg+xml" ,"size" :63131 ,"originalUrl" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.svg" },"raw" : {"tokenUri" :"https://api.cryptokitties.co/v3/kitties/1289657" ,"metadata" : {"birthday" :"2018-12-16T00:00:00.000Z" ,"hatched" :true ,"enhanced_cattributes" : [{"description" :"spock" ,"position" :5850 ,"type" :"pattern" ,"kittyId" :680104 }, {"description" :"se7" ,"position" :- 1 ,"type" :"secret" ,"kittyId" :1289657 }],"color" :"cyan" ,"created_at" :"2018-12-16T08:12:41.000Z" ,"bio" :"En Taro Adun! I'm Nala. I am currently trying to start my own company making berets for tripod kitties. I combine the best qualities of Ryan Gosling, Benjamin Franklin, and Raekwon. I can tell you like to get into trouble." ,"language" :"en" ,"auction" : {},"offer" : {},"children" : [{"generation" :14 ,"owner" : {"address" :"0x002781a27becd321d831d815e3fa386944b329c8" },"hatched" :true ,"enhanced_cattributes" : [],"color" :"cyan" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1290051.png" ,"is_exclusive" :false ,"created_at" :"2018-12-16T10:31:23.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1290051.png" ,"kitty_type" :"fancy" ,"fancy_type" :"Pawrula" ,"name" :"Pawrula The Bright" ,"owner_wallet_address" :"0x002781a27becd321d831d815e3fa386944b329c8" ,"id" :1290051 ,"is_fancy" :true ,"wrapped" :true ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1290051.png" ,"status" : {"is_ready" :true ,"cooldown" :1527648022509 ,"is_gestating" :false } }, {"generation" :14 ,"owner" : {"address" :"0x65e10a29e0bf9bfda353ab3d44fe127bf2e09a4b" },"hatched" :true ,"enhanced_cattributes" : [{"description" :"soserious" ,"position" :- 1 ,"type" :"mouth" ,"kittyId" :1903269 }, {"description" :"doridnudibranch" ,"position" :132 ,"type" :"coloreyes" ,"kittyId" :680079 }],"color" :"doridnudibranch" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1903269.svg" ,"is_exclusive" :false ,"created_at" :"2020-04-23T22:10:56.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1903269.png" ,"name" :"Fressbert" ,"owner_wallet_address" :"0x65e10a29e0bf9bfda353ab3d44fe127bf2e09a4b" ,"id" :1903269 ,"is_fancy" :false ,"wrapped" :false ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1903269.svg" ,"status" : {"is_ready" :true ,"cooldown" :1607028977617 ,"is_gestating" :false } }],"id" :1289657 ,"is_fancy" :false ,"wrapped" :true ,"generation" :13 ,"owner" : {"address" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"hasDapper" :false },"genes" :"508101394017420297960203117038449397458346282085579186181678174847507224" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.svg" ,"is_prestige" :false ,"is_exclusive" :false ,"is_special_edition" :false ,"purrs" : {"count" :1 ,"is_purred" :false },"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.png" ,"hatcher" : {"image" :"5" ,"address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" ,"hasDapper" :false ,"nickname" :"Kitten Mittens LLC 10D 10K 10H" },"background_color" :"#c5eefa" ,"name" :"Nala" ,"matron" : {"generation" :12 ,"owner" : {"address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" },"hatched" :true ,"enhanced_cattributes" : [{"description" :"soserious" ,"position" :- 1 ,"type" :"mouth" ,"kittyId" :1289248 }, {"description" :"chronic" ,"position" :87 ,"type" :"eyes" ,"kittyId" :468466 }, {"description" :"topaz" ,"position" :- 1 ,"type" :"coloreyes" ,"kittyId" :1289248 }],"color" :"topaz" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289248.svg" ,"is_exclusive" :false ,"created_at" :"2018-12-16T05:37:33.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289248.png" ,"name" :"Sergeant Delibinky" ,"owner_wallet_address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" ,"id" :1289248 ,"is_fancy" :false ,"wrapped" :false ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289248.svg" ,"status" : {"is_ready" :true ,"cooldown" :1521350296999 ,"is_gestating" :false } },"sire" : {"generation" :12 ,"owner" : {"address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" },"hatched" :true ,"enhanced_cattributes" : [],"color" :"topaz" ,"image_url" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289336.png" ,"is_exclusive" :false ,"created_at" :"2018-12-16T06:15:48.000Z" ,"is_special_edition" :false ,"image_url_png" :"https://img.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289336.png" ,"kitty_type" :"fancy" ,"fancy_type" :"Pawrula" ,"name" :"Pawrula The Bright" ,"owner_wallet_address" :"0x68b42e44079d1d0a4a037e8c6ecd62c48967e69f" ,"id" :1289336 ,"is_fancy" :true ,"wrapped" :false ,"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289336.png" ,"status" : {"is_ready" :true ,"cooldown" :1521366384221 ,"is_gestating" :false } },"image_url_cdn" :"https://img.cn.cryptokitties.co/0x06012c8cf97bead5deae237070f9587f8e7a266d/1289657.svg" ,"watchlist" : {"count" :0 ,"is_watchlisted" :false },"status" : {"is_ready" :true ,"cooldown_end_block" :9932251 ,"cooldown" :1571707809089 ,"dynamic_cooldown" :1595681023241 ,"cooldown_index" :8 ,"is_gestating" :false } } },"collection" : {"name" :"CryptoKitties" ,"slug" :"cryptokitties" ,"externalUrl" :"https://www.cryptokitties.co/" ,"bannerImageUrl" :"https://i.seadn.io/gcs/static/banners/cryptokitties-banner2.png?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-18T19:21:52.169Z" ,"balance" :"1" ,"acquiredAt" : {} }, {"contract" : {"address" :"0xEA67b4DD7BaCAE340Bc4E43652044B5CDED1963c" ,"name" :"Moonkys" ,"symbol" :"MOONK" ,"totalSupply" :"8968" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x94f65107EB422c67E61588682Fcf9D85AaC940B8" ,"deployedBlockNumber" :14045176 ,"openSeaMetadata" : {"floorPrice" :0.0019 ,"collectionName" :"The MoonkysNFT" ,"collectionSlug" :"the-moonkysnft" ,"safelistRequestStatus" :"approved" ,"imageUrl" :"https://i.seadn.io/gae/HagE-EZ6Wrf5Odw56FjtlSmfFvyEAz5Vg1p76yH-ARh_erNiiWMknrktD7mphF_9QRP_SOzx_Gmm1HrgFv9reHr6eMBxh4FWUg2j5A?w=500&auto=format" ,"description" :"A collection of 9000 Moonkys!\r\nAll different, all endearing, from the jungle to the moon and beyond." ,"externalUrl" :"https://www.moonkys.art" ,"twitterUsername" :"MoonkysNFT" ,"discordUrl" :"https://discord.gg/8sZyt3SNUY" ,"bannerImageUrl" :"https://i.seadn.io/gae/NwDkjH5GU0DsDmQUUnkHk0i6gQcil-pNMPs9su9r2V_mgsTjgBhbg1YM9450riZYsxTAE9HlbDd0R269vfTDVrCZDkN4S_m5hH-5qQ?w=500&auto=format" ,"lastIngestedAt" :"2023-09-18T05:52:19.000Z" },"spamClassifications" : [] },"tokenId" :"2378" ,"tokenType" :"ERC721" ,"name" :"Moonky #2378" ,"description" :"A collection of 9000 randomly generated Moonkys, living on ETH Blockchain. All different, All endearing." ,"tokenUri" :"https://ipfs.io/ipfs/QmThsntJV1wZuF3HdvYWG9QkVVSW1WwU5TZrCH36skCe21/2378" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/a29980483f4257bde13a28906ca87267" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/a29980483f4257bde13a28906ca87267" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/a29980483f4257bde13a28906ca87267" ,"contentType" :"image/png" ,"size" :233824 ,"originalUrl" :"https://ipfs.io/ipfs/QmRmquSbLpiYRd8nCURUmP2fJ9LbaEtG3tJLGGscFp1WAT" },"raw" : {"tokenUri" :"https://ipfs.io/ipfs/QmThsntJV1wZuF3HdvYWG9QkVVSW1WwU5TZrCH36skCe21/2378" ,"metadata" : {"name" :"Moonky #2378" ,"description" :"A collection of 9000 randomly generated Moonkys, living on ETH Blockchain. All different, All endearing." ,"image" :"https://ipfs.io/ipfs/QmRmquSbLpiYRd8nCURUmP2fJ9LbaEtG3tJLGGscFp1WAT" ,"attributes" : [{"value" :"Orange" ,"trait_type" :"Background" }, {"value" :"Cobra Kai" ,"trait_type" :"Hat" }],"external_link" :"https://www.moonkys.art" } },"collection" : {"name" :"The MoonkysNFT" ,"slug" :"the-moonkysnft" ,"externalUrl" :"https://www.moonkys.art" ,"bannerImageUrl" :"https://i.seadn.io/gae/NwDkjH5GU0DsDmQUUnkHk0i6gQcil-pNMPs9su9r2V_mgsTjgBhbg1YM9450riZYsxTAE9HlbDd0R269vfTDVrCZDkN4S_m5hH-5qQ?w=500&auto=format" },"mint" : {"mintAddress" :"0xffa6c931719cf546df7e48010bde2b0fd0bfc431" ,"blockNumber" :15108732 ,"timestamp" :"2022-07-09T13:47:51Z" ,"transactionHash" :"0xce02924d42c0d6f1e5144bbfea8a49fc4fb0330a42782ac8c7c00b7d10b8a4c4" },"timeLastUpdated" :"2023-08-01T07:40:39.116Z" ,"balance" :"1" ,"acquiredAt" : {} }]

getNftsForContractIterator -SDK

Fetches all NFTs for a given contract address and yields them in an async iterable.

This method returns the full NFTs in the contract and pages through all page keys until all NFTs have been fetched.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to

- openSeaMetadata
- in V3.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to a
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3, which contains the
- tokenUri
- ,
- error
- , and
- metadata
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- isSpam
- and
- spamClassifications
- parameters for
- spamInfo
- in V2 have been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {// define the contract address whose NFTs you want to fetch const contractAddress = "0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D" ;// create an async generator function that uses the getNftsForContractIterator method async function getNftsForContract () {try {let nfts = [];// Get the async iterable for the contract's NFTs. const nftsIterable = alchemy .nft .getNftsForContractIterator (contractAddress);// Iterate over the NFTs and add them to the nfts array. for await (const nft of nftsIterable) {nfts .push (nft); }// Log the NFTs. console .log (nfts); }catch (error) {console .log (error); } }// call the async generator function getNftsForContract ();

};main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.tokenType contract.tokenType contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt tokenId tokenId tokenType tokenType tokenUri tokenUri title name description description rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.attributes raw.metadata.attributes rawMetadata.error raw.error - raw.tokenUri media image - collection (New in V3) - mint (New in V3) timeLastUpdated timeLastUpdated - acquiredAt

Example Responses

V2 Example Response

JSON [{"contract" : {"address" :"0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" ,"name" :"BoredApeYachtClub" ,"symbol" :"BAYC" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :33.92 ,"collectionName" :"Bored Ape Yacht Club" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/Ju9CkWtV-1Okvf45wo8UctR-M9He2PjILP0oOvxE89AyiPPGtrR3gysu1Zgy0hjd2xKIgjJJtWIc0ybj4Vd7wv8t3pxDGHoJBzDB?w=500&auto=format" ,"description" :"The Bored Ape Yacht Club is a collection of 10,000 unique Bored Ape NFTs— unique digital collectibles living on the Ethereum blockchain. Your Bored Ape doubles as your Yacht Club membership card, and grants access to members-only benefits, the first of which is access to THE BATHROOM, a collaborative graffiti board. Future areas and perks can be unlocked by the community through roadmap activation. Visit www.BoredApeYachtClub.com for more details." ,"externalUrl" :"http://www.boredapeyachtclub.com/" ,"twitterUsername" :"BoredApeYC" ,"discordUrl" :"https://discord.gg/3P5K3dzgdB" ,"lastIngestedAt" :"2023-07-21T02:53:34.000Z" },"contractDeployer" :"0xaba7161a7fb69c88e16ed9f455ce62b791ee4d03" ,"deployedBlockNumber" :12287507 },"tokenId" :"0" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-20T00:59:03.382Z" ,"rawMetadata" : {"image" :"ipfs://QmRRPWG96cmgTn2qSzjwr2qvfNEuhunv6FNeMFGa9bx6mQ" ,"attributes" : [{"value" :"Silver Hoop" ,"trait_type" :"Earring" }, {"value"

:"X Eyes" ,"trait_type" :"Eyes" }] },"tokenUri" : {"gateway" :"https://alchemy.mypinata.cloud/ipfs/QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/0" ,"raw" :"ipfs://QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/0" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/415d618f5fef7bfe683e02d4653c4289" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/415d618f5fef7bfe683e02d4653c4289" ,"raw" :"ipfs://QmRRPWG96cmgTn2qSzjwr2qvfNEuhunv6FNeMFGa9bx6mQ" ,"format" :"png" ,"bytes" :133270 }] }, {"contract" : {"address" :"0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" ,"name" :"BoredApeYachtClub" ,"symbol" :"BAYC" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :33.92 ,"collectionName" :"Bored Ape Yacht Club" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/Ju9CkWtV-1Okvf45wo8UctR-M9He2PjILP0oOvxE89AyiPPGtrR3gysu1Zgy0hjd2xKIgjJJtWIc0ybj4Vd7wv8t3pxDGHoJBzDB?w=500&auto=format" ,"description" :"The Bored Ape Yacht Club is a collection of 10,000 unique Bored Ape NFTs— unique digital collectibles living on the Ethereum blockchain. Your Bored Ape doubles as your Yacht Club membership card, and grants access to members-only benefits, the first of which is access to THE BATHROOM, a collaborative graffiti board. Future areas and perks can be unlocked by the community through roadmap activation. Visit www.BoredApeYachtClub.com for more details." ,"externalUrl" :"http://www.boredapeyachtclub.com/" ,"twitterUsername" :"BoredApeYC" ,"discordUrl" :"https://discord.gg/3P5K3dzgdB" ,"lastIngestedAt" :"2023-07-21T02:53:34.000Z" },"contractDeployer" :"0xaba7161a7fb69c88e16ed9f455ce62b791ee4d03" ,"deployedBlockNumber" :12287507 },"tokenId" :"9999" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-18T12:25:10.309Z" ,"rawMetadata" : {"image" :"ipfs://QmejYePrutbfWEV8wA3ogTHi2cf2j6hoaPhZSc6vNE43nH" ,"attributes" : [{"value" :"Army Hat" ,"trait_type" :"Hat" }, {"value" :"Scumbag" ,"trait_type" :"Eyes" }] },"tokenUri" : {"gateway" :"https://ipfs.io/ipfs/QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/9999" ,"raw" :"ipfs://QmeSjSinHpPnmXmspMjwiXyN6zS4E9zccariGR3jxcaWtq/9999" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/4b5307d8d2a9d044b659f4eecf3e018e" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/4b5307d8d2a9d044b659f4eecf3e018e" ,"raw" :"ipfs://QmejYePrutbfWEV8wA3ogTHi2cf2j6hoaPhZSc6vNE43nH" ,"format" :"png" ,"bytes" :135967 }] }]

V3 Example Response

JSON [{"contract" : {"address" :"0xe785E82358879F061BC3dcAC6f0444462D4b5330" ,"name" :"World Of Women" ,"symbol" :"WOW" ,"totalSupply" :"10000" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xc9b6321dc216D91E626E9BAA61b06B0E4d55bdb1" ,"deployedBlockNumber" :12907782 ,"openSeaMetadata" : {"floorPrice" :0.6021 ,"collectionName" :"World of Women" ,"collectionSlug" :"world-of-women-nft" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/8604de2d9aaec98dd389e3af1b1a14b6.gif?w=500&auto=format" ,"description" :"World of Women is a collection of 10,000 NFTs that gives you full access to our network of artists, creators, entrepreneurs, and executives who are championing diversity and equal opportunity on the blockchain.\n\nCreated and illustrated by Yam Karkai (@ykarkai), World of Women has made prominent appearances at Christie's, The New Yorker and Billboard.\n\nJoin us to receive exclusive access to NFT drops, experiences, and much more.\n\nThe Time is WoW." ,"externalUrl" :"http://worldofwomen.art" ,"twitterUsername" :"worldofwomennft" ,"discordUrl" :"https://discord.gg/worldofwomen" ,"bannerImageUrl" :"https://i.seadn.io/gae/GHhptRLebBOWOy8kfXpYCVqsqdes-1-6I_jbuRnGTHHW6TD63CtciH75Dotfu2u8v6EmkWt-tjhkFRVLxRUwgMfKqqy5W24AolJayeo?w=500&auto=format" ,"lastIngestedAt" :"2023-09-18T12:28:27.000Z" },"spamClassifications" : [] },"tokenId" :"44" ,"tokenType" :"ERC721" ,"name" :"WoW #44" ,"tokenUri" :"https://alchemy.mypinata.cloud/ipfs/QmTNBQDbggLZdKF1fRgWnXsnRikd52zL5ciNu769g9JoUP/44" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/9316855d8f60a32cd44aa71f07cd7dc1" ,"contentType" :"image/png" ,"size" :105117 ,"originalUrl" :"https://ipfs.io/ipfs/QmUkdJKCsV8ixm2eDLJGosH8Bntwwx942YXxfuF9yXPBzi" },"raw" : {"tokenUri" :"ipfs://QmTNBQDbggLZdKF1fRgWnXsnRikd52zL5ciNu769g9JoUP/44" ,"metadata" : {"name" :"WoW #44" ,"image" :"ipfs://QmUkdJKCsV8ixm2eDLJGosH8Bntwwx942YXxfuF9yXPBzi" ,"attributes" : [{"value" :"Green Orange" ,"trait_type" :"Background" }, {"value" :"Purple" ,"trait_type" :"Lips Color" }] } },"collection" : {"name" :"World of Women" ,"slug" :"world-of-women-nft" ,"externalUrl" :"http://worldofwomen.art" ,"bannerImageUrl" :"https://i.seadn.io/gae/GHhptRLebBOWOy8kfXpYCVqsqdes-1-6I_jbuRnGTHHW6TD63CtciH75Dotfu2u8v6EmkWt-tjhkFRVLxRUwgMfKqqy5W24AolJayeo?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-18T13:25:41.833Z" }]

getContractMetadata - SDK

Get the NFT collection metadata associated with the provided parameters.

Overview of Changes

- The
- openSea
- object in the response structure has been renamed to
- openSeaMetadata
- in the V3 response.
- The
- collectionSlug
- and
- bannerImageUrl
- have been added to the
- openSeaMetadata
- object in the V3 response.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {// define the address whose contract metadata you want to fetch const address = "0x61fce80d72363b731425c3a2a46a1a5fed9814b2" ;//Call the method to fetch metadata const response = await alchemy .nft .getContractMetadata (address)//Logging the response to the console console .log (response) }main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter address address name name symbol symbol totalSupply totalSupply tokenType tokenType openSea.floorPrice openSeaMetadata.floorPrice openSea.collectionName openSeaMetadata.collectionName - openSeaMetadata.collectionSlug (New in V3) openSea.safelistRequestStatus openSeaMetadata.safelistRequestStatus openSea.imageUrl openSeaMetadata.imageUrl openSea.description openSeaMetadata.description openSea.externalUrl openSeaMetadata.externalUrl openSea.twitterUsername openSeaMetadata.twitterUsername openSea.discordUrl openSeaMetadata.discordUrl - openSeaMetadata.bannerImageUrl (New in V3) openSea.lastIngestedAt openSeaMetadata.lastIngestedAt contractDeployer contractDeployer deployedBlockNumber deployedBlockNumber

Example Responses

V2 Example Response

JSON {"address" :"0x61fce80d72363b731425c3a2a46a1a5fed9814b2" ,"name" :"CyborgMercenariesCm" ,"symbol" :"CYBORG" ,"totalSupply" :"8039" ,"tokenType" :"ERC1155" ,"openSea" : {"floorPrice" :0.001 ,"collectionName" :"Undead Warriors" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/6cd7bec4ad4b280adb53c33c815bd3dc.png?w=500&auto=format" ,"description" :"Core Team\nhttps://opensea.io/theseansneed | https://opensea.io/W3-Freedom | https://opensea.io/Xc4libur\nUndead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space.\n\n" ,"externalUrl" :"http://undeadwarriors.io" ,"twitterUsername" :"undead_warriors" ,"discordUrl" :"https://discord.gg/qjZbJMPS86" ,"lastIngestedAt" :"2023-07-21T11:02:08.000Z" },"contractDeployer" :"0xd32bb311467060cec58cd6e9b37134ca6d81377f" ,"deployedBlockNumber" :13950908 }

V3 Example Response

JSON {"address" :"0x61fcE80D72363B731425c3A2A46a1A5fed9814B2" ,"name" :"CyborgMercenariesCm" ,"symbol" :"CYBORG" ,"totalSupply" :"8039" ,"tokenType" :"ERC1155" ,"contractDeployer" :"0xd32bB311467060ceC58Cd6e9b37134CA6d81377F" ,"deployedBlockNumber" :13950908 ,"openSeaMetadata" : {"floorPrice" :0.001 ,"collectionName" :"Undead Warriors" ,"collectionSlug" :"undeadwarriors" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/6cd7bec4ad4b280adb53c33c815bd3dc.png?w=500&auto=format" ,"description" :"Core Team\nhttps://opensea.io/theseansneed | https://opensea.io/W3-Freedom | https://opensea.io/Xc4libur\nUndead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space.\n\n" ,"externalUrl" :"http://undeadwarriors.io" ,"twitterUsername" :"undead_warriors" ,"discordUrl" :"https://discord.gg/qjZbJMPS86" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/bbb358656434031a1b9c27873a72b13e.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-17T10:13:28.000Z" } }

getNftsForContract - SDK

Get all NFTs for a given contract address.

This method returns the full NFTs in the contract. To get all NFTs without their associated metadata, use the options parameter.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to

- openSeaMetadata
- in the V3 response.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to a
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3, which contains the
- tokenUri
- ,
- metadata
- , and
- error
- parameters.
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- isSpam
- and
- spamClassifications
- parameters for
- spamInfo
- in V2 has been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

```
JavaScript // 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 ()=> {// define the contract address whose NFTs you want to fetch const address = "0x61fce80d72363b731425c3a2a46a1a5fed9814b2" ;//Call the method to fetch metadata const response =
await alchemy .nft .getNftsForContract (address )//Logging the response to the console console .log (response ) }main ();
```

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.tokenType contract.tokenType contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt tokenId tokenId tokenType tokenType tokenUri tokenUri title name description description rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.attributes raw.metadata.attributes rawMetadata.error raw.error - raw.tokenUri media image - collection (New in V3) - mint (New in V3) timeLastUpdated timeLastUpdated - acquiredAt pageKey pageKey

Example Responses

V2 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x61fce80d72363b731425c3a2a46a1a5fed9814b2" ,"name" :"CyborgMercenariesCm" ,"symbol" :"CYBORG" ,"totalSupply" :"8039" ,"tokenType" :"ERC1155" ,"openSea" : {"floorPrice" :0.001 ,"collectionName" :"Undead Warriors" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/6cd7bec4ad4b280adb53c33c815bd3dc.png?w=500&auto=format" ,"description" :"Core Team\nhttps://opensea.io/theseansneed | https://opensea.io/W3-Freedom | https://opensea.io/Xc4libur\nUndead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space.\n\n" ,"externalUrl" :"http://undeadwarriors.io" ,"twitterUsername" :"undead_warriors" ,"discordUrl" :"https://discord.gg/qjZbJMPS86" ,"lastIngestedAt" :"2023-07-21T11:02:08.000Z" },"contractDeployer" :"0xd32bb311467060cec58cd6e9b37134ca6d81377f" ,"deployedBlockNumber" :13950908 },"tokenId" :"0" ,"tokenType" :"ERC1155" ,"title" :"Undead Warrior #0" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"timeLastUpdated" :"2023-07-12T06:28:38.764Z" ,"rawMetadata" : {"date" :1659652582322 ,"image" :"ipfs://QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/0.png" ,"website" :"https://undeadwarriors.io" ,"dna" :"d297klq0913j20c9l51nw51m2h68hgvfa539ut10" ,"name" :"Undead Warrior #0" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"edition" :0 ,"attributes" : [{"value" :"PastHistory" ,"trait_type" :"Background" }, {"value" :"Security" ,"trait_type" :"Rank" }],"compiler" :"Black Badge: V.01A" },"tokenUri" : {"gateway" :"https://ipfs.io/ipfs/QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/0" ,"raw" :"ipfs://QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/0" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/a31b9e2703540f70e3c15478d449162b" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/a31b9e2703540f70e3c15478d449162b" ,"raw" :"ipfs://QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/0.png" ,"format" :"png" ,"bytes" :1458749 }] }, {"contract" : {"address" :"0x61fce80d72363b731425c3a2a46a1a5fed9814b2" ,"name" :"CyborgMercenariesCm" ,"symbol" :"CYBORG" ,"totalSupply" :"8039" ,"tokenType" :"ERC1155" ,"openSea" : {"floorPrice" :0.001 ,"collectionName" :"Undead Warriors" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/6cd7bec4ad4b280adb53c33c815bd3dc.png?w=500&auto=format" ,"description" :"Core Team\nhttps://opensea.io/theseansneed | https://opensea.io/W3-Fr,\n\n" ,"externalUrl" :"http://undeadwarriors.io" ,"twitterUsername" :"undead_warriors" ,"discordUrl" :"https://discord.gg/qjZbJMPS86" ,"lastIngestedAt" :"2023-07-21T11:02:08.000Z" },"contractDeployer" :"0xd32bb311467060cec58cd6e9b37134ca6d81377f" ,"deployedBlockNumber" :13950908 },"tokenId" :"353" ,"tokenType" :"ERC1155" ,"title" :"Undead Warrior #353" ,"description" :"Undead Warriors in the E-Gaming and Web 3 space." ,"timeLastUpdated" :"2023-07-12T06:32:38.722Z" ,"rawMetadata" : {"date" :1659653043027 ,"image" :"ipfs://QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/353.png" ,"website" :"https://undeadwarriors.io" ,"dna" :"aa09f30b73d7fa23c636ff2734f9e7b48d2ce1b1" ,"name" :"Undead Warrior #353" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"edition" :353 ,"attributes" : [{"value" :"LaunchBay" ,"trait_type" :"Background" }, {"value" :"Warrior" ,"trait_type" :"Rank" }],"compiler" :"Black Badge: V.01A" },"tokenUri" : {"gateway" :"https://ipfs.io/ipfs/QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/353" ,"raw" :"ipfs://QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/353" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/f72c8a8a4aa69dc8ac340a619289451f" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/f72c8a8a4aa69dc8ac340a619289451f" ,"raw" :"ipfs://QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/353.png" ,"format" :"png" ,"bytes" :1645083 }] }],"pageKey" :"0x0162" }

V3 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x61fcE80D72363B731425c3A2A46a1A5fed9814B2" ,"name" :"CyborgMercenariesCm" ,"symbol" :"CYBORG" ,"totalSupply" :"8039" ,"tokenType" :"ERC1155" ,"contractDeployer" :"0xd32bB311467060ceC58Cd6e9b37134CA6d81377F" ,"deployedBlockNumber" :13950908 ,"openSeaMetadata" : {"floorPrice" :0.001 ,"collectionName" :"Undead Warriors" ,"collectionSlug" :"undeadwarriors" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/6cd7bec4ad4b280adb53c33c815bd3dc.png?w=500&auto=format" ,"description" :"Core Team\nhttps://opensea.io/theseansneed | https://opensea.io/W3-Freedom | https://opensea.io/Xc4libur\nUndead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space.\n\n" ,"externalUrl" :"http://undeadwarriors.io" ,"twitterUsername" :"undead_warriors" ,"discordUrl" :"https://discord.gg/qjZbJMPS86" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/bbb358656434031a1b9c27873a72b13e.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-17T10:13:28.000Z" },"spamClassifications" : [] },"tokenId" :"0" ,"tokenType" :"ERC1155" ,"name" :"Undead Warrior #0" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"tokenUri" :"https://ipfs.io/ipfs/QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/0" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/a31b9e2703540f70e3c15478d449162b" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/a31b9e2703540f70e3c15478d449162b" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/a31b9e2703540f70e3c15478d449162b" ,"contentType" :"image/png" ,"size" :1458749 ,"originalUrl" :"https://ipfs.io/ipfs/QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/0.png" },"raw" : {"tokenUri" :"ipfs://QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/0" ,"metadata" : {"date" :1659652582322 ,"image" :"ipfs://QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/0.png" ,"website" :"https://undeadwarriors.io" ,"dna" :"d297klq0913j20c9l51nw51m2h68hgvfa539ut10" ,"name" :"Undead Warrior #0" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"edition" :0 ,"attributes" : [{"value" :"PastHistory" ,"trait_type" :"Background" }, {"value" :"Security" ,"trait_type" :"Rank" }],"compiler" :"Black Badge: V.01A" } },"collection" : {"name" :"Undead Warriors" ,"slug" :"undeadwarriors" ,"externalUrl" :"http://undeadwarriors.io" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/bbb358656434031a1b9c27873a72b13e.png?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-17T09:58:57.133Z" }, {"contract" : {"address" :"0x61fcE80D72363B731425c3A2A46a1A5fed9814B2" ,"name" :"CyborgMercenariesCm" ,"symbol" :"CYBORG" ,"totalSupply" :"8039" ,"tokenType" :"ERC1155" ,"contractDeployer" :"0xd32bB311467060ceC58Cd6e9b37134CA6d81377F" ,"deployedBlockNumber" :13950908 ,"openSeaMetadata" : {"floorPrice" :0.001 ,"collectionName" :"Undead Warriors" ,"collectionSlug" :"undeadwarriors" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/6cd7bec4ad4b280adb53c33c815bd3dc.png?w=500&auto=format" ,"description" :"Core Team\nhttps://opensea.io/theseansneed | https://opensea.io/W3-Freedom | https://opensea.io/Xc4libur\nUndead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space.\n\n" ,"externalUrl" :"http://undeadwarriors.io" ,"twitterUsername" :"undead_warriors" ,"discordUrl" :"https://discord.gg/qjZbJMPS86" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/bbb358656434031a1b9c27873a72b13e.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-17T10:13:28.000Z" },"spamClassifications" : [] },"tokenId" :"353" ,"tokenType" :"ERC1155" ,"name" :"Undead Warrior #353" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"tokenUri" :"https://ipfs.io/ipfs/QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/353" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/f72c8a8a4aa69dc8ac340a619289451f" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/f72c8a8a4aa69dc8ac340a619289451f" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/f72c8a8a4aa69dc8ac340a619289451f" ,"contentType" :"image/png" ,"size" :1645083 ,"originalUrl" :"https://ipfs.io/ipfs/QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/353.png" },"raw" : {"tokenUri" :"ipfs://QmSodrnHXf2sd3Cd61tzNdn7MpaHqe116KvGx2NS8Qzg1i/353" ,"metadata" : {"date" :1659653043027 ,"image" :"ipfs://QmeNdyrTRGyVr6YvXPZHy1DPtwq3V8zZGzkzU145r5xcqa/353.png" ,"website" :"https://undeadwarriors.io" ,"dna" :"aa09f30b73d7fa23c636ff2734f9e7b48d2ce1b1" ,"name" :"Undead Warrior #353" ,"description" :"Undead Warriors are a collection of NFTs powered by the Undead Coin (UDC) battling the most difficult challenges in the E-Gaming and Web 3 space." ,"edition" :353 ,"attributes" : [{"value" :"LaunchBay" ,"trait_type" :"Background" }, {"value" :"Warrior" ,"trait_type" :"Rank" }],"compiler" :"Black Badge: V.01A" } },"collection" : {"name" :"Undead Warriors" ,"slug" :"undeadwarriors" ,"externalUrl" :"http://undeadwarriors.io" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/bbb358656434031a1b9c27873a72b13e.png?w=500&auto=format" },"mint" : {},"timeLastUpdated" :"2023-09-21T12:33:14.542Z" }],"pageKey" :"0x0162" }

getTransfersForOwner - SDK

The getTransfersForOwner method gets all NFT transfers for a given owner address.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in the V3 response.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to a
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3, which contains the
- tokenUri
- ,
- error
- , and
- metadata
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- isSpam
- and
- spamClassifications
- parameters for
- spamInfo
- in V2 has been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?

- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

JavaScript // Imports the Alchemy SDK const {Alchemy ,Network }= require ("alchemy-sdk");// Configures the Alchemy SDK const config = {apiKey :"demo" ,// 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);// Example of using the new getTransfersForOwner method const main = async ()=> {// The owner address to get transfers for let address = "0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" ;// Whether to get transfers TO or FROM the owner address. (Optional) let category = "FROM" ;// Additional options for the request. (Optional) let options = {/ *** List of NFT contract addresses to filter mints by. If omitted, defaults to * all contract addresses. */ contractAddresses : ["0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734"],**/ * Filter mints by ERC721 vs ERC1155 contracts. If omitted, defaults to all * NFTs. */ tokenType :"ERC721" , };// Calling the getTransfersForOwner method let transfers = await alchemy .nft .getTransfersForOwner (address ,category ,options);// Logging the response to the console console .log (transfers); };main ();

V3 Example Request

JavaScript Same as V2 .

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.totalSupply contract.totalSupply contract.tokenType contract.tokenType contract.openSea.floorPrice contract.openSeaMetadata.floorPrice contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl contract.openSea.twitterUsername contract.openSeaMetadata.twitterUsername contract.openSea.discordUrl contract.openSeaMetadata.discordUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications tokenId tokenId tokenType tokenType title name description description timeLastUpdated timeLastUpdated rawMetadata raw rawMetadata.attributes raw.metadata.attributes rawMetadata.tokenUri raw.tokenUri rawMetadata.error raw.error tokenUri tokenUri media image from from to to transactionHash transactionHash blockNumber blockNumber pageKey pageKey

Example Responses

V2 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x1f02bf9dde7c79137a08b2dd4fc964bfd2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0031 ,"collectionName" :"3L3Phants Official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"lastIngestedAt" :"2023-07-12T23:25:34.000Z" },"contractDeployer" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"deployedBlockNumber" :15140845 },"tokenId" :"890" ,"tokenType" :"ERC721" ,"title" :"3L3PHANTS #890" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"timeLastUpdated" :"2023-07-15T10:06:39.607Z" ,"rawMetadata" : {"name" :"3L3PHANTS #890" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmTvmGSL6cFxRyoam2vBRgVL8vjcLrzdum14K9qMQ7MP2b" ,"attributes" : [{"value" :"Red" ,"trait_type" :"Background" }, {"value" :"Tie Dye" ,"trait_type" :"Outfit" }, {"value" :"Double" ,"trait_type" :"Tusks" }] },"tokenUri" : {"gateway" :"https://ipfs.io/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/890" ,"raw" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/890" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/121fdb0563b1917179c9ad7d97ae081f" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/121fdb0563b1917179c9ad7d97ae081f" ,"raw" :"ipfs://QmTvmGSL6cFxRyoam2vBRgVL8vjcLrzdum14K9qMQ7MP2b" ,"format" :"png" ,"bytes" :199542 }],"from" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"to" :"0x84561625814e1c7e882c1ae20a9d722a8c301f04" ,"transactionHash" :"0x43ff4418ca88d94857f3b687e8ac7450e107c2a36517e8d59a5308dba4acec94" ,"blockNumber" :"0xec8125" }, {"contract" : {"address" :"0x1f02bf9dde7c79137a08b2dd4fc964bfd2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0031 ,"collectionName" :"3L3Phants Official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"lastIngestedAt" :"2023-07-12T23:25:34.000Z" },"contractDeployer" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"deployedBlockNumber" :15140845 },"tokenId" :"3990" ,"tokenType" :"ERC721" ,"title" :"3L3PHANTS #3990" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"timeLastUpdated" :"2023-02-28T17:51:29.181Z" ,"rawMetadata" : {"name" :"3L3PHANTS #3990" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmaL3UbrR8T1tz7j8SuYmQxkQJoPXYZeU49YC5DCHphKDg" ,"attributes" : [{"value" :"Pink Checkerboard" ,"trait_type" :"Background" }, {"value" :"Nubs" ,"trait_type" :"Tusks" }] },"tokenUri" : {"gateway" :"https://alchemy.mypinata.cloud/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" ,"raw" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805" ,"raw" :"ipfs://QmaL3UbrR8T1tz7j8SuYmQxkQJoPXYZeU49YC5DCHphKDg" ,"format" :"png" ,"bytes" :198447 }],"from" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"to" :"0x6a3623db71c1b3442a94e3fd4655334b48114693" ,"transactionHash" :"0x13f33287ac95893e06cda2cd30c08003808ac46867382d8c92e1c864e4895ec6" ,"blockNumber" :"0xec8131" }] }

V3 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" ,"deployedBlockNumber" :15140845 ,"openSeaMetadata" : {"floorPrice" :0.0032 ,"collectionName" :"3L3Phants Official" ,"collectionSlug" :"3l3phants-official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-19T22:06:03.000Z" },"spamClassifications" : [] },"tokenId" :"890" ,"tokenType" :"ERC721" ,"name" :"3L3PHANTS #890" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"tokenUri" :"https://ipfs.io/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/890" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/121fdb0563b1917179c9ad7d97ae081f" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/121fdb0563b1917179c9ad7d97ae081f" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/121fdb0563b1917179c9ad7d97ae081f" ,"contentType" :"image/png" ,"size" :199542 ,"originalUrl" :"https://ipfs.io/ipfs/QmTvmGSL6cFxRyoam2vBRgVL8vjcLrzdum14K9qMQ7MP2b" },"raw" : {"tokenUri" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/890" ,"metadata" : {"name" :"3L3PHANTS #890" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmTvmGSL6cFxRyoam2vBRgVL8vjcLrzdum14K9qMQ7MP2b" ,"attributes" : [{"value" :"Red" ,"trait_type" :"Background" }, {"value" :"Double" ,"trait_type" :"Tusks" }] } },"collection" : {"name" :"3L3Phants Official" ,"slug" :"3l3phants-official" ,"externalUrl" :"http://3l3phants.io" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" },"mint" : {"mintAddress" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"blockNumber" :15143441 ,"timestamp" :"2022-07-14T22:17:44Z" ,"transactionHash" :"0x317dfdacec0ae4cbe0a1f7ee394f9cc7c6d4ae9985a5202fcfef28b3a19ce899" },"timeLastUpdated" :"2023-08-13T03:40:39.232Z" ,"from" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"to" :"0x84561625814e1c7e882c1ae20a9d722a8c301f04" ,"transactionHash" :"0x43ff4418ca88d94857f3b687e8ac7450e107c2a36517e8d59a5308dba4acec94" ,"blockNumber" :"0xec8125" }, {"contract" : {"address" :"0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" ,"deployedBlockNumber" :15140845 ,"openSeaMetadata" : {"floorPrice" :0.0032 ,"collectionName" :"3L3Phants Official" ,"collectionSlug" :"3l3phants-official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-19T22:06:03.000Z" },"spamClassifications" : [] },"tokenId" :"3990" ,"tokenType" :"ERC721" ,"name" :"3L3PHANTS #3990" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"tokenUri" :"https://alchemy.mypinata.cloud/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805" ,"contentType" :"image/png" ,"size" :198447 ,"originalUrl" :"https://ipfs.io/ipfs/QmaL3UbrR8T1tz7j8SuYmQxkQJoPXYZeU49YC5DCHphKDg" },"raw" : {"tokenUri" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" ,"metadata" :

{"name" :"3L3PHANTS #3990" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmaL3UbrR8T1tz7j8SuYmQxkQJoPXYZeU49YC5DCHphKDg" ,"attributes" : [{"value" :"Pink Checkerboard" ,"trait_type" :"Background" }, {"value" :"Nubs" ,"trait_type" :"Tusks" }] } },"collection" : {"name" :"3L3Phants Official" ,"slug" :"3l3phants-official" ,"externalUrl" :"http://3l3phants.io" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" },"mint" : {"mintAddress" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"blockNumber" :15214264 ,"timestamp" :"2022-07-25T22:02:43Z" ,"transactionHash" :"0x343e4697e0e834acb61c23268a63ddddb29e29ce6bcaf652b08430f7c0fdc934" },"timeLastUpdated" :"2023-02-28T17:51:29.181Z" ,"from" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"to" :"0x6a3623db71c1b3442a94e3fd4655334b48114693" ,"transactionHash" :"0x13f33287ac95893e06cda2cd30c08003808ac46867382d8c92e1c864e4895ec6" ,"blockNumber" :"0xec8131" }] }

getTransfersForContract - SDK

The getTransfersForContract method gets all NFT transfers for a given NFT contract address.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in the V3 response.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to a
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata
- object parameter has been changed to a
- raw
- object in V3, which contains the
- tokenUri
- ,
- metadata
- , and
- error
- parameters.
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- isSpam
- and
- spamClassifications
- parameters for
- spamInfo
- in V2 has been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

JavaScript // Imports the Alchemy SDK const {Alchemy ,Network }= require ("alchemy-sdk");// Configures the Alchemy SDK const config = {apiKey :"demo" ,// 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);// Example of using the new getTransfersForContract method const main = async ()=> {// The nft contract address to get transfers for let contractAddress = "0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734" ;// Additional options for the request. (Optional) let options = {/ **Starting block (inclusive) to get transfers from. */ fromBlock :16564734 ,**/Ending block (inclusive) to get transfers from.*/ toBlock :16567427 ,/ * Whether to return results in ascending or descending order by block number. * Defaults to ascending if omitted/.* order :"desc" , };// Calling the getTransfersForContract method let transfers = await alchemy .nft .getTransfersForContract (contractAddress ,options);// Logging the response to the console console .log (transfers); };main ();

V3 Example Request

JavaScript Same with V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.totalSupply contract.totalSupply contract.tokenType contract.tokenType contract.openSea.floorPrice contract.openSeaMetadata.floorPrice contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl contract.openSea.twitterUsername contract.openSeaMetadata.twitterUsername contract.openSea.discordUrl contract.openSeaMetadata.discordUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications tokenId tokenId tokenType tokenType title name description description timeLastUpdated timeLastUpdated rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.tokenUri raw.tokenUri rawMetadata.error raw.error rawMetadata.attributes raw.metadata.attributes tokenUri tokenUri media image from from to to transactionHash transactionHash blockNumber blockNumber pageKey pageKey

Example Responses

V2 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x1f02bf9dde7c79137a08b2dd4fc964bfd2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0031 ,"collectionName" :"3L3Phants Official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"lastIngestedAt" :"2023-07-12T23:25:34.000Z" },"contractDeployer" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"deployedBlockNumber" :15140845 },"tokenId" :"5447" ,"tokenType" :"ERC721" ,"title" :"3L3PHANTS #5447" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"timeLastUpdated" :"2023-02-18T18:43:33.104Z" ,"rawMetadata" : {"name" :"3L3PHANTS #5447" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmWS5E2YK9rEWUuvkZkicSTZ9Fbck9z1aZTKYLAcmkmdTx" ,"attributes" : [{"value" :"Green" ,"trait_type" :"Background" }, {"value" :"Gold" ,"trait_type" :"Tusks" }] },"tokenUri" : {"gateway" :"https://alchemy.mypinata.cloud/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/5447" ,"raw" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/5447" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/34233c43dee24fc5748d48867d5a61e8" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/34233c43dee24fc5748d48867d5a61e8" ,"raw" :"ipfs://QmWS5E2YK9rEWUuvkZkicSTZ9Fbck9z1aZTKYLAcmkmdTx" ,"format" :"png" ,"bytes" :211149 }],"from" :"0x93ab7195dc4dd4a098efb10b47fe48c7893b8864" ,"to" :"0xad2596f9506309ea64e81605aaa4e898134ac1f2" ,"transactionHash" :"0xcec76b5c70c1dc71c09a2f383a4ae5a93331a0d4dea690171041263ae416c05c" ,"blockNumber" :"0xfccb9e" }, {"contract" : {"address" :"0x1f02bf9dde7c79137a08b2dd4fc964bfd2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0031 ,"collectionName" :"3L3Phants Official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"lastIngestedAt" :"2023-07-12T23:25:34.000Z" },"contractDeployer" :"0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"deployedBlockNumber" :15140845 },"tokenId" :"372" ,"tokenType" :"ERC721" ,"title" :"3L3PHANTS #372" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"timeLastUpdated" :"2023-03-15T08:33:25.446Z" ,"rawMetadata" : {"name" :"3L3PHANTS #372" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmXvc2DMgg9ZJWGuAV1DTRn3HFS2oFtHbyo2am2LsSuguY" ,"attributes" : [{"value" :"Red" ,"trait_type" :"Background" },"value" :"Brown" ,"trait_type" :"Tusks" }] },"tokenUri" : {"gateway" :"https://ipfs.io/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/372" ,"raw" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/372" },"media" : [{"gateway" :"https://nft-cdn.alchemy.com/eth-mainnet/5da1c73b64d3fc6dc1c986ac8e4f76f8" ,"thumbnail" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/5da1c73b64d3fc6dc1c986ac8e4f76f8" ,"raw" :"ipfs://QmXvc2DMgg9ZJWGuAV1DTRn3HFS2oFtHbyo2am2LsSuguY" ,"format" :"png" ,"bytes" :189584 }],"from" :"0xb7dded5be42790543096fd7d765155de658530f8" ,"to" :"0x4209859ae2992f581d2678392b4ac80c13d5eed4" ,"transactionHash" :"0xb89d383a80ead28c4ec00d985dd5f25989c02d945bb84b55261e07ce34d4406f" ,"blockNumber" :"0xfcc202" }] }

V3 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" ,"deployedBlockNumber" :15140845 ,"openSeaMetadata" : {"floorPrice" :0.0032 ,"collectionName" :"3L3Phants Official" ,"collectionSlug" :"3l3phants-official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-19T22:06:03.000Z" },"spamClassifications" : [] },"tokenId" :"5447" ,"tokenType" :"ERC721" ,"name" :"3L3PHANTS #5447" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"tokenUri" :"https://alchemy.mypinata.cloud/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/5447" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/34233c43dee24fc5748d48867d5a61e8" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/34233c43dee24fc5748d48867d5a61e8" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/34233c43dee24fc5748d48867d5a61e8" ,"contentType" :"image/png" ,"size" :211149 ,"originalUrl" :"https://ipfs.io/ipfs/QmWS5E2YK9rEWUuvkZkicSTZ9Fbck9z1aZTKYLAcmkmdTx" },"raw" : {"tokenUri" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/5447" ,"metadata" : {"name" :"3L3PHANTS #5447" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmWS5E2YK9rEWUuvkZkicSTZ9Fbck9z1aZTKYLAcmkmdTx" ,"attributes" : [{"value" :"Green" ,"trait_type" :"Background" }, {"value" :"Red Hoodie" ,"trait_type" :"Outfit" }, {"value" :"Gold" ,"trait_type" :"Tusks" }] } },"collection" : {"name" :"3L3Phants Official" ,"slug" :"3l3phants-official" ,"externalUrl" :"http://3l3phants.io" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" },"mint" : {"mintAddress" :"0xfd279644adb28043ee10111f2971b3e4fb655e86" ,"blockNumber" :15260123 ,"timestamp" :"2022-08-02T01:18:08Z" ,"transactionHash" :"0x7cfdf3018a244529c6b1c6b85171f5c1cbf355c78b5f4faa80bd2fcfaf0d4429" },"timeLastUpdated" :"2023-02-18T18:43:33.104Z" ,"from" :"0x93ab7195dc4dd4a098efb10b47fe48c7893b8864" ,"to" :"0xad2596f9506309ea64e81605aaa4e898134ac1f2" ,"transactionHash" :"0xcec76b5c70c1dc71c09a2f383a4ae5a93331a0d4dea690171041263ae416c05c" ,"blockNumber" :"0xfccb9e" }, {"contract" : {"address" :"0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734" ,"name" :"Elephants" ,"symbol" :"ELENFT" ,"totalSupply" :"7778" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" ,"deployedBlockNumber" :15140845 ,"openSeaMetadata" : {"floorPrice" :0.0032 ,"collectionName" :"3L3Phants Official" ,"collectionSlug" :"3l3phants-official" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gcs/files/71dfb6cacb894a713d91f493917fa1b5.png?w=500&auto=format" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. From the mind of Ic3cream and designed by World Renowned Artist Tornado Toad. Join the Herd today!\n\nEarn NUT token in our discord now!\n\nhttps://discord.gg/3l3phantsnft" ,"externalUrl" :"http://3l3phants.io" ,"twitterUsername" :"3L3NFT" ,"discordUrl" :"https://discord.gg/3L3phantsnft" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" ,"lastIngestedAt" :"2023-09-19T22:06:03.000Z" },"spamClassifications" : [] },"tokenId" :"372" ,"tokenType" :"ERC721" ,"name" :"3L3PHANTS #372" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"tokenUri" :"https://ipfs.io/ipfs/QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/372" ,"image" : {"cachedUrl" :"https://nft-cdn.alchemy.com/eth-mainnet/5da1c73b64d3fc6dc1c986ac8e4f76f8" ,"thumbnailUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/5da1c73b64d3fc6dc1c986ac8e4f76f8" ,"pngUrl" :"https://res.cloudinary.com/alchemyapi/image/upload/convert-png/eth-mainnet/5da1c73b64d3fc6dc1c986ac8e4f76f8" ,"contentType" :"image/png" ,"size" :189584 ,"originalUrl" :"https://ipfs.io/ipfs/QmXvc2DMgg9ZJWGuAV1DTRn3HFS2oFtHbyo2am2LsSuguY" },"raw" : {"tokenUri" :"ipfs://QmcpMnvcmUvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/372" ,"metadata" : {"name" :"3L3PHANTS #372" ,"description" :"3L3Phants NFT is a collection of 7,777 Elephants stampeding on the Ethereum blockchain. Saving 3L3Phants & Wildlife one NFT at a time" ,"image" :"ipfs://QmXvc2DMgg9ZJWGuAV1DTRn3HFS2oFtHbyo2am2LsSuguY" ,"attributes" : [{"value" :"Red" ,"trait_type" :"Background" }, {"value" :"Brown" ,"trait_type" :"Tusks" }] } },"collection" : {"name" :"3L3Phants Official" ,"slug" :"3l3phants-official" ,"externalUrl" :"http://3l3phants.io" ,"bannerImageUrl" :"https://i.seadn.io/gcs/files/1667bbb67e548917820271ee2430bb35.png?w=500&auto=format" },"mint" : {"mintAddress" :"0xa590b03f6492f658b9d13f49924b2b1bb4b596b1" ,"blockNumber" :15141967 ,"timestamp" :"2022-07-14T16:52:41Z" ,"transactionHash" :"0xc126314bde53b9348df97561c796ff9535549ac7fa596f9f7223084443bbdff8" },"timeLastUpdated" :"2023-03-15T08:33:25.446Z" ,"from" :"0xb7dded5be42790543096fd7d765155de658530f8" ,"to" :"0x4209859ae2992f581d2678392b4ac80c13d5eed4" ,"transactionHash" :"0xb89d383a80ead28c4ec00d985dd5f25989c02d945bb84b55261e07ce34d4406f" ,"blockNumber" :"0xfcc202" }] }

getMintedNfts - SDK

The getMintedNfts method gets all the NFTs minted by a specified owner address.

Overview of Changes

- The
- openSea
- object in the parent
- contract
- object has been changed to
- openSeaMetadata
- in the V3 response.
- The
- collectionSlug
- and
- bannerImageUrl
- parameters have been added to the
- contract.openSeaMetadata
- object in V3.
- The
- title
- parameter in V2 has been changed to a
- name
- parameter in V3.
- The
- media
- parameter in V2 has been replaced with an
- image
- object in V3.
- The
- rawMetadata
- object parameter has been changed to a

- raw
- object in V3, which contains the
- tokenUri
- ,
- metadata
- , and
- error
- parameters
- The
- tokenUri
- object in V2 has been changed to a
- tokenUri
- string parameter in the V3 response.
- The
- isSpam
- and
- spamClassifications
- parameters have been added to the
- contract
- object in V3.
- The
- mint
- object parameter has been added to the V3 response containing optional
- mintAddress?
- ,
- blockNumber?
- ,
- timestamp?
- , and
- transactionHash?
- parameters.
- The
- collection
- object has been added to the V3 response containing the
- name
- ,
- slug?
- ,
- externalUrl?
- , and
- bannerImageUrl?
- parameters.
- The
- acquiredAt
- object has been added to the V3 response.

Example Requests

V2 Example Request

JavaScript // Imports the Alchemy SDK const {Alchemy ,Network }= require ("alchemy-sdk");// Configures the Alchemy SDK const config = {apiKey :"demo" ,// 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);// Example of using the new getMintedNfts method const main = async ()=> {// Address for the NFT owner (can be in ENS format). let address = "vitalik.eth" ;// Additional options for the request. (Optional) let options = {/ * **List of NFT contract addresses to filter mints by. If omitted, defaults to * all contract addresses. */ contractAddresses : ["0x57f1887a8BF19b14fC0dF6Fd9B2acc9Af147eA85"],**/ * Filter mints by ERC721 vs ERC1155 contracts. If omitted, defaults to all * NFTs. */ tokenType :"ERC721" , };// Calling the getMintedNfts method let mintedNfts = await alchemy .nft .getMintedNfts (address ,options);// Logging the response to the console console .log (mintedNfts); };main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter contract.address contract.address contract.name contract.name contract.symbol contract.symbol contract.totalSupply contract.totalSupply contract.tokenType contract.tokenType contract.openSea.floorPrice contract.openSeaMetadata.floorPrice contract.openSea.collectionName contract.openSeaMetadata.collectionName - contract.openSeaMetadata.collectionSlug (New in V3) contract.openSea.safelistRequestStatus contract.openSeaMetadata.safelistRequestStatus contract.openSea.imageUrl contract.openSeaMetadata.imageUrl contract.openSea.description contract.openSeaMetadata.description contract.openSea.externalUrl contract.openSeaMetadata.externalUrl contract.openSea.twitterUsername contract.openSeaMetadata.twitterUsername contract.openSea.discordUrl contract.openSeaMetadata.discordUrl - contract.openSeaMetadata.bannerImageUrl (New in V3) contract.openSea.lastIngestedAt contract.openSeaMetadata.lastIngestedAt contract.contractDeployer contract.contractDeployer contract.deployedBlockNumber contract.deployedBlockNumber spamInfo.isSpam contract.isSpam spamInfo.classifications contract.spamClassifications tokenId tokenId tokenType tokenType title name description description timeLastUpdated timeLastUpdated rawMetadata raw rawMetadata.metadata raw.metadata rawMetadata.error raw.error rawMetadata.attributes raw.metadata.attributes - raw.tokenUri tokenUri tokenUri media image from from to to transactionHash transactionHash blockNumber blockNumber pageKey pageKey

Example Responses

V2 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0005 ,"collectionName" :"ENS: Ethereum Name Service" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/0cOqWoYA7xL9CkUjGlxsjreSYBdrUBE0c6EO1COG4XE8UeP-Z30ckqUNiL872zHQHQU5MUNMNhfDpyXIP17hRSC5HQ?w=500&auto=format" ,"description" :"Ethereum Name Service (ENS) domains are secure domain names for the decentralized world. ENS domains provide a way for users to map human readable names to blockchain and non-blockchain resources, like Ethereum addresses, IPFS hashes, or website URLs. ENS domains can be bought and sold on secondary markets." ,"externalUrl" :"https://ens.domains" ,"twitterUsername" :"ensdomains" ,"lastIngestedAt" :"2023-07-21T07:08:17.000Z" },"contractDeployer" :"0x4fe4e666be5752f1fdd210f4ab5de2cc26e3e0e8" ,"deployedBlockNumber" :9380410 },"tokenId" :"111352653673047713804124050598355152059184664886497242203777472800304891334469" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-21T12:40:51.364Z" ,"metadataError" :"Token uri responded with a non 200 response code" ,"rawMetadata" : {"metadata" : [],"attributes" : [] },"tokenUri" : {"gateway" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xf62f5e56fe8da20b0f4596383d464ebbaf1968de230cfb3dd53fc91800228f45" ,"raw" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xf62f5e56fe8da20b0f4596383d464ebbaf1968de230cfb3dd53fc91800228f45" },"media" : [],"from" :"0x0000000000000000000000000000000000000000" ,"to" :"0xd8da6bf26964af9d7eed9e03e53415d37aa96045" ,"transactionHash" :"0xc5bc4cf983e98ad9708dee356a17196aa367228f9ec87f81e622c81adaa6211e" ,"blockNumber" :"0xe88086" }, {"contract" : {"address" :"0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0005 ,"collectionName" :"ENS: Ethereum Name Service" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/0cOqWoYA7xL9CkUjGlxsjreSYBdrUBE0c6EO1COG4XE8UeP-Z30ckqUNiL872zHQHQU5MUNMNhfDpyXIP17hRSC5HQ?w=500&auto=format" ,"description" :"Ethereum Name Service (ENS) domains are secure domain names for the decentralized world. ENS domains provide a way for users to map human readable names to blockchain and non-blockchain resources, like Ethereum addresses, IPFS hashes, or website URLs. ENS domains can be bought and sold on secondary markets." ,"externalUrl" :"https://ens.domains" ,"twitterUsername" :"ensdomains" ,"lastIngestedAt" :"2023-07-21T07:08:17.000Z" },"contractDeployer" :"0x4fe4e666be5752f1fdd210f4ab5de2cc26e3e0e8" ,"deployedBlockNumber" :9380410 },"tokenId" :"103040680624633360426956226800459505851045291463662393946817594920946384752224" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-21T12:40:50.845Z" ,"metadataError" :"Token uri responded with a non 200 response code" ,"rawMetadata" : {"metadata" : [],"attributes" : [] },"tokenUri" : {"gateway" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xe3cef55f7067b9353a1b591cd3ea3af56e998792eb10d19a1b96f0a09917ce60" ,"raw" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xe3cef55f7067b9353a1b591cd3ea3af56e998792eb10d19a1b96f0a09917ce60" },"media" : [],"from" :"0x0000000000000000000000000000000000000000" ,"to" :"0xd8da6bf26964af9d7eed9e03e53415d37aa96045" ,"transactionHash" :"0x9f21fad5549aaf94e7731f5c4649353926cf7520b96891b8b511d099020fb887" ,"blockNumber" :"0xf47bcd" }, {"contract" : {"address" :"0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85" ,"tokenType" :"ERC721" ,"openSea" : {"floorPrice" :0.0005 ,"collectionName" :"ENS: Ethereum Name Service" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/0cOqWoYA7xL9CkUjGlxsjreSYBdrUBE0c6EO1COG4XE8UeP-Z30ckqUNiL872zHQHQU5MUNMNhfDpyXIP17hRSC5HQ?w=500&auto=format" ,"description" :"Ethereum Name Service (ENS) domains are secure domain names for the decentralized world. ENS domains provide a way for users to map human readable names to blockchain and non-blockchain resources, like Ethereum addresses, IPFS hashes, or website URLs. ENS domains can be bought and sold on secondary markets." ,"externalUrl" :"https://ens.domains" ,"twitterUsername" :"ensdomains" ,"lastIngestedAt" :"2023-07-21T07:08:17.000Z" },"contractDeployer" :"0x4fe4e666be5752f1fdd210f4ab5de2cc26e3e0e8" ,"deployedBlockNumber" :9380410 },"tokenId" :"79362104341617195787435013155216554898816343870453146709166302825328240112628" ,"tokenType" :"ERC721" ,"title" :"" ,"description" :"" ,"timeLastUpdated" :"2023-07-21T12:40:51.867Z" ,"metadataError" :"Token uri responded with a non 200 response code" ,"rawMetadata" : {"metadata" : [],"attributes" : [] },"tokenUri" : {"gateway" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xaf755bf78de2496dbb4f4c665d1437ed11cd5c8835e8e32b16f3bf500cb633f4" ,"raw" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xaf755bf78de2496dbb4f4c665d1437ed11cd5c8835e8e32b16f3bf500cb633f4" },"media" : [],"from" :"0x0000000000000000000000000000000000000000" ,"to" :"0xd8da6bf26964af9d7eed9e03e53415d37aa96045" ,"transactionHash"

:"0xe3c78eca914f215644922e15d080b4198d552885a64958f4bec6516ace149b43" ,"blockNumber" :"0xf47bcd" }] }

V3 Example Response

JSON {"nfts" : [{"contract" : {"address" :"0x57f1887a8BF19b14fC0dF6Fd9B2acc9Af147eA85" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x4Fe4e666Be5752f1FdD210F4Ab5DE2Cc26e3E0e8" ,"deployedBlockNumber" :9380410 ,"openSeaMetadata" : {"floorPrice" :0.001 ,"collectionName" :"ENS: Ethereum Name Service" ,"collectionSlug" :"ens" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/0cOqWoYA7xL9CkUjGlxsjreSYBdrUBE0c6EO1COG4XE8UeP-Z30ckqUNiL872zHQHQU5MUNMNhfDpyXIP17hRSC5HQ?w=500&auto=format" ,"description" :"Ethereum Name Service (ENS) domains are secure domain names for the decentralized world. ENS domains provide a way for users to map human readable names to blockchain and non-blockchain resources, like Ethereum addresses, IPFS hashes, or website URLs. ENS domains can be bought and sold on secondary markets." ,"externalUrl" :"https://ens.domains" ,"twitterUsername" :"ensdomains" ,"lastIngestedAt" :"2023-09-18T10:20:40.000Z" },"spamClassifications" : [] },"tokenId" :"111352653673047713804124050598355152059184664886497242203777472800304891334469" ,"tokenType" :"ERC721" ,"tokenUri" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xf62f5e56fe8da20b0f4596383d464ebbaf1968de230cfb3dd53fc91800228f45" ,"image" : {},"raw" : {"tokenUri" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xf62f5e56fe8da20b0f4596383d464ebbaf1968de230cfb3dd53fc91800228f45" ,"metadata" : {},"error" :"Centralized gateway timed out, try again with a higher tokenUri timeout" },"collection" : {"name" :"ENS: Ethereum Name Service" ,"slug" :"ens" ,"externalUrl" :"https://ens.domains" },"mint" : {},"timeLastUpdated" :"2023-09-21T14:06:39.073Z" ,"from" :"0x0000000000000000000000000000000000000000" ,"to" :"0xd8da6bf26964af9d7eed9e03e53415d37aa96045" ,"transactionHash" :"0xc5bc4cf983e98ad9708dee356a17196aa367228f9ec87f81e622c81adaa6211e" ,"blockNumber" :"0xe88086" }, {"contract" : {"address" :"0x57f1887a8BF19b14fC0dF6Fd9B2acc9Af147eA85" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x4Fe4e666Be5752f1FdD210F4Ab5DE2Cc26e3E0e8" ,"deployedBlockNumber" :9380410 ,"openSeaMetadata" : {"floorPrice" :0.001 ,"collectionName" :"ENS: Ethereum Name Service" ,"collectionSlug" :"ens" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/0cOqWoYA7xL9CkUjGlxsjreSYBdrUBE0c6EO1COG4XE8UeP-Z30ckqUNiL872zHQHQU5MUNMNhfDpyXIP17hRSC5HQ?w=500&auto=format" ,"description" :"Ethereum Name Service (ENS) domains are secure domain names for the decentralized world. ENS domains provide a way for users to map human readable names to blockchain and non-blockchain resources, like Ethereum addresses, IPFS hashes, or website URLs. ENS domains can be bought and sold on secondary markets." ,"externalUrl" :"https://ens.domains" ,"twitterUsername" :"ensdomains" ,"lastIngestedAt" :"2023-09-18T10:20:40.000Z" },"spamClassifications" : [] },"tokenId" :"103040680624633360426956226800459505851045291463662393946817594920946384752224" ,"tokenType" :"ERC721" ,"tokenUri" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xe3cef55f7067b9353a1b591cd3ea3af56e998792eb10d19a1b96f0a09917ce60" ,"image" : {},"raw" : {"tokenUri" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xe3cef55f7067b9353a1b591cd3ea3af56e998792eb10d19a1b96f0a09917ce60" ,"metadata" : {},"error" :"Centralized gateway timed out, try again with a higher tokenUri timeout" },"collection" : {"name" :"ENS: Ethereum Name Service" ,"slug" :"ens" ,"externalUrl" :"https://ens.domains" },"mint" : {},"timeLastUpdated" :"2023-09-21T14:06:39.076Z" ,"from" :"0x0000000000000000000000000000000000000000" ,"to" :"0xd8da6bf26964af9d7eed9e03e53415d37aa96045" ,"transactionHash" :"0x9f21fad5549aaf94e7731f5c4649353926cf7520b96891b8b511d099020fb887" ,"blockNumber" :"0xf47bcd" }, {"contract" : {"address" :"0x57f1887a8BF19b14fC0dF6Fd9B2acc9Af147eA85" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x4Fe4e666Be5752f1FdD210F4Ab5DE2Cc26e3E0e8" ,"deployedBlockNumber" :9380410 ,"openSeaMetadata" : {"floorPrice" :0.001 ,"collectionName" :"ENS: Ethereum Name Service" ,"collectionSlug" :"ens" ,"safelistRequestStatus" :"verified" ,"imageUrl" :"https://i.seadn.io/gae/0cOqWoYA7xL9CkUjGlxsjreSYBdrUBE0c6EO1COG4XE8UeP-Z30ckqUNiL872zHQHQU5MUNMNhfDpyXIP17hRSC5HQ?w=500&auto=format" ,"description" :"Ethereum Name Service (ENS) domains are secure domain names for the decentralized world. ENS domains provide a way for users to map human readable names to blockchain and non-blockchain resources, like Ethereum addresses, IPFS hashes, or website URLs. ENS domains can be bought and sold on secondary markets." ,"externalUrl" :"https://ens.domains" ,"twitterUsername" :"ensdomains" ,"lastIngestedAt" :"2023-09-18T10:20:40.000Z" },"spamClassifications" : [] },"tokenId" :"79362104341617195787435013155216554898816343870453146709166302825328240112628" ,"tokenType" :"ERC721" ,"tokenUri" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xaf755bf78de2496dbb4f4c665d1437ed11cd5c8835e8e32b16f3bf500cb633f4" ,"image" : {},"raw" : {"tokenUri" :"https://metadata.ens.domains/mainnet/0x57f1887a8bf19b14fc0df6fd9b2acc9af147ea85/0xaf755bf78de2496dbb4f4c665d1437ed11cd5c8835e8e32b16f3bf500cb633f4" ,"metadata" : {},"error" :"Token uri responded with a non 200 response code" },"collection" : {"name" :"ENS: Ethereum Name Service" ,"slug" :"ens" ,"externalUrl" :"https://ens.domains" },"mint" : {},"timeLastUpdated" :"2023-09-21T14:06:38.973Z" ,"from" :"0x0000000000000000000000000000000000000000" ,"to" :"0xd8da6bf26964af9d7eed9e03e53415d37aa96045" ,"transactionHash" :"0xe3c78eca914f215644922e15d080b4198d552885a64958f4bec6516ace149b43" ,"blockNumber" :"0xf47bcd" }] }

getOwnersForNft - SDK

Gets all the owners for a given NFT contract address and token ID.

Overview of Changes

- A new field
- pageKey
- has been added to the response structure in V3.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {// define the contract address and token Id const address = "0x5180db8F5c931aaE63c74266b211F580155ecac8" ;const tokenId = "1590" ;//Call the method to fetch the owners for the collection const response = await alchemy .nft .getOwnersForNft (address ,tokenId)//Logging the response to the console console .log (response) }main ();

V3 Example Request

Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter owners owners pageKey (New in V3)

Example Responses

V2 Example Response

JSON {"owners" : ["0xf5fff32cf83a1a614e15f25ce55b0c0a6b5f8f2c"] }

V3 Example Response

JSON {"owners" : ["0xF5FFF32CF83A1A614e15F25Ce55B0c0A6b5F8F2c"],"pageKey" :null }

getOwnersForContract - SDK

Gets all the owners for a given NFT contract and the token balance.

Overview of Changes

There are no changes in the request or response structure for the method getOwnersForContract between V2 and V3.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {// define the contract address const address = "0x61fce80d72363b731425c3a2a46a1a5fed9814b2" ;//Call the method to fetch the owners for the contract const response = await alchemy .nft .getOwnersForContract (address)//Logging the response to the console console .log (response) }main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter owners owners totalCount? totalCount? pageKey? pageKey?

Example Responses

V2 Example Response

JSON {"owners" : ["0x001a61213d72f2f3c95ff743c80f472749ab8ad3" ,"0x003a1acce28eb335f3ff1e93a5b09cd4b598ef62" ,"0x00614efd868dabb5f92e15b0440d1f85ac0f9be1"

,"0x006f48d6ed87efd9e0bc56cc7a8703d0455c2858" ,"0x008b7903f1f0b825636739c7a3defb7eebc94f1d" ,"0x008c79f10cbd14070b106b05d5fd494e084ee8a5" ,"0x00ce8f7e0ec4f03a821e8cb3d84479d76151d0a9" ,"0x00f3a0fcc47ba9f7a757c255aaa6a286a524cef9" ,"0x016c6422b74463834514394b7207478982139bb4" ,"0x016df42305bb3d0e21abf75b456a4babb1777a4b" ,"0x01882145348b9908f803740e547efbad0983cdcb" ,"0x018edc98b3190dbb261e6ff3858c4ba59c71ba94" ,"0x019d99678bd3b9f1157e763398a3dd62cb760a23" ,"0x01ae3e9aa99f080b59d3a02ee40478af8b3d63c1" ,"0x01e4cf06c6adb9231a30ca17f4a62afe23c0a9c1" ,"0x01e6357045328fa19c11994af6a4500754e6a75b" ,"0x02070ed234f1a07ca88f6164791e033c97570d96" ,"0x0207a5cfc75733d82f2dd5a8b6adf78277ef7347" ,"0x025dca13f8803ed01b3ea717e2ee9daf7a383cda" ,"0x02b92b2254c27bed8d4268e663200f705bc76e35" ,"0xffc91af289242fb62d8d06116b2c5a6c6aa50205" ,"0xffcebf6be845b95cfd42e77c65968662bc8f9f2f"] }

V3 Example Response

JSON {"owners" : ["0x001a61213D72F2F3C95Ff743c80f472749AB8ad3" ,"0x003a1aCce28eb335F3FF1E93A5B09cD4b598EF62" ,"0x00614Efd868DAbB5f92E15b0440D1F85ac0f9be1" ,"0x006F48D6eD87eFD9e0BC56cC7a8703D0455C2858" ,"0x008B7903F1f0B825636739c7a3defb7EEbc94F1D" ,"0x008c79F10CBd14070b106b05d5Fd494e084EE8A5" ,"0x00Ce8F7e0EC4F03a821E8CB3D84479D76151D0A9" ,"0x00f3a0fcC47ba9f7A757C255aaa6A286a524ceF9" ,"0x016c6422B74463834514394B7207478982139bB4" ,"0x016DF42305bb3D0E21abF75b456a4Babb1777A4B" ,"0x01882145348B9908f803740e547EfbaD0983cDcB" ,"0x018eDC98B3190DbB261E6Ff3858c4BA59c71Ba94" ,"0x019D99678BD3B9F1157E763398a3Dd62cb760A23" ,"0x01aE3e9Aa99F080b59D3A02EE40478af8b3d63c1" ,"0x01E4cF06C6ADb9231a30Ca17f4A62afE23c0A9c1" ,"0x01E6357045328fA19C11994af6a4500754E6a75b" ,"0x02070ed234F1a07cA88F6164791e033C97570d96" ,"0x0207A5cFc75733D82f2dd5A8b6adf78277EF7347" ,"0x025DCA13f8803Ed01B3Ea717e2Ee9DaF7A383cDa" ,"0x02B92b2254c27beD8d4268e663200f705bC76E35" ,"0x02f52b4aF1deCD963a3f0586D28484F530bdC101" ,"0x02fe09e15f1fEAEf2E4Dd4b7afd5A12630f1fae6" ,"0x034C8f85476f2D30c946e3CE5929BC24e8D3B04F" ,"0x037C8b05C9Ffe5e33B99372d17580C0C915AFa60" ,"0x037FC3F7f58771CbcC4C32327814769FBF5A8F3F" ,"0x038080B8BF89847Ca926F9731695859d9c55A4C6" ,"0xffcEBF6Be845b95CFD42e77c65968662BC8F9f2F"] }

getContractsForOwner - SDK

Gets all NFT contracts held by the specified owner address.

Overview of Changes

- A new
- totalSupply
- field has been added.
- The field
- title
- has been removed and replaced with
- displayNft.name
- .
- The field
- tokenId
- has been renamed to
- displayNft.tokenId
- .
- A new
- image
- object has been created with the specified mappings.
- The
- openSea
- object has been renamed to
- openSeaMetadata
- .
- The
- collectionSlug
- and
- bannerUrl
- parameters have been added to the
- openSeaMetadata
- object.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {const owner = "vitalik.eth" //Call the method const response = await alchemy .nft .getContractsForOwner (owner)//Logging the response to the console console .log (response) };main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 V3 address address totalBalance totalBalance numDistinctTokensOwned numDistinctTokensOwned name name title Not present, use displayNft.name symbol symbol - totalSupply tokenType tokenType contractDeployer contractDeployer deployedBlockNumber deployedBlockNumber isSpam isSpam tokenId displayNft.tokenId media image opensea.floorPrice openSeaMetadata.floorPrice opensea.collectionName openSeaMetadata.collectionName - openSeaMetadata.collectionSlug opensea.safelistRequestStatus openSeaMetadata.safelistRequestStatus opensea.imageUrl openSeaMetadata.imageUrl opensea.description openSeaMetadata.description opensea.externalUrl openSeaMetadata.externalUrl opensea.twitterUsername openSeaMetadata.twitterUsername opensea.discordUrl openSeaMetadata.discordUrl - openSeaMetadata.bannerUrl opensea.lastIngestedAt openSeaMetadata.lastIngestedAt totalCount totalCount pageKey pageKey

Example Responses

V2 Example Response

JSON {"contracts" : [{"address" :"0x000386e3f7559d9b6a2f5c46b4ad1a9587d59dc3" ,"totalBalance" :912 ,"numDistinctTokensOwned" :80 ,"isSpam" :true ,"tokenId" :"0x0000000000000000000000000000000000000000000000000000000000000001" ,"name" :"Bored Ape Nike Club" ,"title" :"" ,"symbol" :"BANC" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x51d7d428041e23ef51422e110dfeff906e821cfe" ,"deployedBlockNumber" :14276343 ,"opensea" : {"collectionName" :"BoredApeNikeClub" ,"collectionSlug" :"bored-ape-nike-club-v2" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description" :"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" ,"lastIngestedAt" :"2023-09-21T15:28:51.000Z" },"media" : [{"gateway" :"" ,"raw" :"" }] }, {"address" :"0x0da763dfc24764275e56d9011a01186fbacf2edf" ,"totalBalance" :10 ,"numDistinctTokensOwned" :6 ,"isSpam" :true ,"tokenId" :"0x0000000000000000000000000000000000000000000000000000000000000012" ,"name" :"VeeCon" ,"title" :"" ,"symbol" :"VC" ,"totalSupply" :"8" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xdce675fcce9cb500b62f69464fe10f2999d77a50" ,"deployedBlockNumber" :14530344 ,"opensea" : {"collectionName" :"Vee Con Tickets Official" ,"collectionSlug" :"veecontickets-2022" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/wPIhTZGy2aMY3rHL6eUUvSansxQqTZwsbnD2Dt7AoW2YQZH-iwiue3Xt6YbO005Z_vwCzyKyVhmHBZ8C4KYttgjmzEpTRc6sAQLWag?w=500&auto=format" ,"description" :"Mint on the website\n\nVeeCon 2022 is a multi-day superconference where only VeeCon NFT ticket holders will experience an extraordinary lineup of content including iconic keynote speeches; innovative and educational talks, panels and Q&A sessions; and many collaborative experiences" ,"externalUrl" :"https://veecontickets.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/zjaIJ85YSsyeO88fFOegjzeh3lfG8Z0zNYjvjDGrRGpdTyEUw3upA7ZrdRTHbwWu7XVQPheZMOObLKrMWV0mQdbjhZeXiddyKnwLD9E?w=500&auto=format" ,"lastIngestedAt" :"2023-09-28T23:32:45.000Z" },"media" : [{"gateway" :"" ,"raw" :"" }] }],"totalCount" :2207 ,"pageKey" :"94d6b0fd-5288-4cab-8f60-ac5f09941a65" }

V3 Example Response

JSON {"contracts" : [{"address" :"0x000386E3F7559d9B6a2F5c46B4aD1A9587D59Dc3" ,"name" :"Bored Ape Nike Club" ,"symbol" :"BANC" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x51D7D428041E23ef51422e110dfEfF906e821CFe" ,"deployedBlockNumber" :14276343 ,"openSeaMetadata" : {"collectionName" :"BoredApeNikeClub" ,"collectionSlug" :"bored-ape-nike-club-v2" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/yJ9DgXqjRwgdCkrQmHj7krCbixM8fPVAyYJWJ5NHXap1L0c3QL5MPvrNT0QDINIStGOK857lOvab8MpNQS9X4pkHPktmhVmN82qoVw?w=500&auto=format" ,"description" :"COUNTDOWN OVER. MINTING LIVE.\n\nMint on the website.\n" ,"externalUrl" :"https://nikemetaverse.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/i84LsC2dtbF5I3YiuaXzzfvSijlBI-ZJ8UEta04Ukl4V57Uoj0ZGw8tNyuPdwrF7N5pclyzdqSJjxHZ65z4G5jQrVRK_DHUMVrzTYQ?w=500&auto=format" ,"lastIngestedAt" :"2023-09-21T15:28:51.000Z" },"totalBalance" :"912" ,"numDistinctTokensOwned" :"80" ,"isSpam" :true ,"displayNft" : {"tokenId" :"1" },"image" : {} }, {"address" :"0x0015F391949f25c3211063104aD4AFC99210f85c" ,"name" :"BAYC Otherside Land" ,"symbol" :"BAYC" ,"totalSupply" :"24" ,"tokenType" :"ERC721" ,"contractDeployer" :"0x4B7A67800712472F5f4a5f580c3B99345DF1CeD6" ,"deployedBlockNumber" :14669988 ,"openSeaMetadata" : {"collectionName" :"BAYC Otherside Land V3" ,"collectionSlug" :"bayc-otherside-land-v3-7" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/aR91WTPUmY4QBkle9qBum5dfjfCyh9n8zgYWyMAFJ-3vUUdquzasMpYyl2Jr6elxhZlPuI1gzthut99h0Z33F_k-xqev_jGldV7X?w=500&auto=format" ,"description" :"Mint on the website\n\nBAYC Otherside Land is an open world that enables users to build 3D immersive applications on top of several blockchains. In BAYC Otherside Land, users can take advantage of traditional 3D open-world features such as building 3D architectures, hosting virtual meetings, exhibiting NFTs, and more advanced functionality.Details on Twitter @BoredApeYC or PUBLIC MINT NOW LIVE!\n" ,"externalUrl" :"https://baycofficial.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/buhkgp9EPv2YoCeB9k1XWMX7hkBbkpIFkwOdveTZPsVOuKiANbDBwjvAxSpvxhbh5NxU0Kkjje-3VVWk36z-f4Z5rlmAHZXMeisu?w=500&auto=format" ,"lastIngestedAt" :"2023-09-21T21:07:17.000Z" },"totalBalance" :"17" ,"numDistinctTokensOwned" :"6" ,"isSpam" :true ,"displayNft" : {"tokenId" :"2" },"image" : {} }, {"address" :"0x0dA763DFc24764275E56D9011A01186fbacF2edf" ,"name" :"VeeCon" ,"symbol" :"VC" ,"totalSupply" :"8" ,"tokenType" :"ERC721" ,"contractDeployer" :"0xDce675fCcE9Cb500B62f69464fE10f2999d77A50" ,"deployedBlockNumber" :14530344 ,"openSeaMetadata" : {"collectionName" :"Vee Con Tickets Official" ,"collectionSlug" :"veecontickets-2022" ,"safelistRequestStatus" :"not_requested" ,"imageUrl" :"https://i.seadn.io/gae/wPIhTZGy2aMY3rHL6eUUvSansxQqTZwsbnD2Dt7AoW2YQZH-iwiue3Xt6YbO005Z_vwCzyKyVhmHBZ8C4KYttgjmzEpTRc6sAQLWag?w=500&auto=format" ,"description" :"Mint on the website\n\nVeeCon 2022 is a multi-day superconference where only VeeCon NFT ticket holders will experience an extraordinary lineup of content including iconic keynote speeches; innovative and educational talks, panels and Q&A sessions; and many collaborative experiences" ,"externalUrl" :"https://veecontickets.xyz" ,"bannerImageUrl" :"https://i.seadn.io/gae/zjaIJ85YSsyeO88fFOegjzeh3lfG8Z0zNYjvjDGrRGpdTyEUw3upA7ZrdRTHbwWu7XVQPheZMOObLKrMWV0mQdbjhZeXiddyKnwLD9E?w=500&auto=format" ,"lastIngestedAt" :"2023-09-19T03:10:31.000Z" },"totalBalance" :"10" ,"numDistinctTokensOwned" :"6" ,"isSpam" :true ,"displayNft" : {"tokenId" :"18" },"image" : {} }],"pageKey" :"75db8160-ea3f-4cb0-9bc4-4663f6a804af" ,"totalCount" :2207 }

getSpamContracts - SDK

Returns a list of all spam contracts marked by Alchemy.

Overview of Changes

- The key name for the array of contract addresses in the response has been changed to
- contractAddresses
- in V3.

Example Requests

V2 Example Request

JavaScript // 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 ()=> {//Call the method to return a list of spam contracts const response = await alchemy .nft .getSpamContracts ()//Logging the response to the console console .log (response) }main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter N/A contractAddresses (new in V3)

Example Responses

V2 Example Response

JSON ["0x000000000a42c2791eec307fff43fa5c640e3ef7" ,"0x000294f162dc337cf060ac6e2cb7db8c8f544004" ,"0x000386e3f7559d9b6a2f5c46b4ad1a9587d59dc3" ,"0x00050657890966fc261113dba4c277d9cb204e52" ,"0x0009498dd5a13679ac11927e4bae78c154fcf754" ,"0x000d398c50ea4d0681e6a224749c94334d606ba2" ,"0x000fb295d38c01051e37e65f3034dd4f02267c96" ,"0x0015f391949f25c3211063104ad4afc99210f85c" ,"0x001757861e8233c5a288411ddbf17378e724dd0c" ,"0x001ac203afb48600f5a7d9b524145ac075f648af" ,"0x001f561c73555005a7f22e2ae9cb785cf37cc3b9" ,"0x002cb7d6d92e0bca294e0d4bc5762ef5d535d1d2" ,"0x0030a97650f44802a4331dadeb2a4fc83e59dec1" ,"0xfff9e4b5cf4b0f0ff83bba48ee5a88772cd258b9"]

V3 Example Response

JSON "contractAddresses" : ["0x000000000A42C2791eEc307FFf43Fa5c640e3Ef7" ,"0x000294F162Dc337Cf060AC6e2Cb7Db8c8F544004" ,"0x000386E3F7559d9B6a2F5c46B4aD1A9587D59Dc3" ,"0x00050657890966fc261113DBa4c277d9cb204E52" ,"0x0009498dD5a13679aC11927e4BAE78C154Fcf754" ,"0x000D398c50EA4D0681E6a224749C94334d606Ba2" ,"0x000Fb295d38c01051e37e65F3034dD4F02267c96" ,"0x0015F391949f25c3211063104aD4AFC99210f85c" ,"0x001757861e8233C5a288411dDbf17378e724DD0C" ,"0x001AC203aFB48600f5a7D9b524145AC075f648aF" ,"0x001f561C73555005a7f22e2ae9CB785cf37Cc3B9" ,"0xfFf9e4b5Cf4b0F0fF83BbA48Ee5A88772Cd258B9"] }

isSpamContract - SDK

Returns whether a contract is marked as spam or not by Alchemy.

Overview of Changes

- The V3 response wraps the boolean value in an object with a key
- isSpamContract
- .

Example Requests

V2 Example Request

JavaScript // 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 ()=> {// define the contract address const address = "0x000440f08436a7b866d1ae42db5e0be801da722a" ;//Call the method to check if a contract is a spam const response = await alchemy .nft .isSpamContract (address)//Logging the response to the console console .log (response) }main ();

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter boolean { "isSpamContract": boolean }

Example Responses

V2 Example Response

JSON false

V3 Example Response

JSON {"isSpamContract" :false }

refreshContract - SDK

Triggers a metadata refresh of all NFTs in the provided contract address. This method is useful after an NFT collection is revealed.

Overview of Changes

- There are no changes in the method's request, response format, or parameter names/structures between V2 and V3.

Example Requests

V2 Example Request

```
JavaScript // 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 ()=> {// define the contract address const address = "0x5180db8F5c931aaE63c74266b211F580155ecac8" ;//Call the method to return the refresh result response object const response = await alchemy .nft .refreshContract (address )//Logging the response to the console console .log (response ) }main ();
```

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter contractAddress contractAddress refreshState refreshState progress progress

Example Responses

V2 Example Response

JSON {"contractAddress" :"0x5180db8f5c931aae63c74266b211f580155ecac8" ,"refreshState" :"queued" ,"progress" :0 }

V3 Example Response

JSON {"contractAddress" :"0x5180db8f5c931aae63c74266b211f580155ecac8" ,"refreshState" :"already_queued" ,"progress" :0 }

computeRarity - SDK

Returns the floor prices of an NFT contract by marketplace.

Overview of Changes

- The response structure has been reorganized in V3. Instead of an array of objects, the response now contains an object with a
- rarities
- property that holds an array of objects.

Example Requests

V2 Example Request

```
JavaScript // 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 ()=> {// define the contract address and tokenId const address = "0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" ;const tokenId = 145 ;//Call the method to display the rarity of each attribute of the NFT const response = await alchemy .nft .computeRarity (address ,tokenId )//Logging the response to the console console .log (response ) }main ();
```

V3 Example Request

JavaScript Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter prevalence rarities.prevalence traitType rarities.traitType value rarities.value

Example Responses

V2 Example Response

JSON [{"prevalence" :0.1273 ,"traitType" :"Background" ,"value" :"Orange" }, {"prevalence" :0.013 ,"traitType" :"Hat" ,"value" :"Prussian Helmet" }, {"prevalence" :0.1551 ,"traitType" :"Mouth" ,"value" :"Bored Unshaven" }, {"prevalence" :0.1229 ,"traitType" :"Fur" ,"value" :"Black" }, {"prevalence" :0.0203 ,"traitType" :"Clothes" ,"value" :"Bone Necklace" }, {"prevalence" :0.0487 ,"traitType" :"Eyes" ,"value" :"3d" }]

V3 Example Response

JSON {"rarities" : [{"traitType" :"Background" ,"value" :"Orange" ,"prevalence" :0.1273 }, {"traitType" :"Hat" ,"value" :"Prussian Helmet" ,"prevalence" :0.013 }, {"traitType" :"Mouth" ,"value" :"Bored Unshaven" ,"prevalence" :0.1551 }, {"traitType" :"Fur" ,"value" :"Black" ,"prevalence" :0.1229 }, {"traitType" :"Clothes" ,"value" :"Bone Necklace" ,"prevalence" :0.0203 }, {"traitType" :"Eyes" ,"value" :"3d" ,"prevalence" :0.0487 }] }

verifyNftOwnership - SDK

Checks that the provided owner address owns one or more of the provided NFTs. Returns a boolean indicating whether the owner's address owns the provided NFT.

Overview of Changes

- There are no changes in the method's request, response format, or parameter names/structures between V2 and V3.

Example Requests

V2 Example Request

```
JavaScript // 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 ()=> {// define the contract address and owner const address = "0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" ;const owner = "0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D" ;//Call the method to display the rarity of each attribute of the NFT const response = await alchemy .nft .verifyNftOwnership (owner ,address )//Logging the response to the console console .log (response ) }main ();
```

V3 Example Request

Same as V2

V2 <> V3 Mapping

V2 Parameter V3 Parameter boolean boolean

Example Responses

V2 Example Response

JSON false

V3 Example Response

JSON false

Updated 5 months ago

Alchemy SDK V2 to V3 Migration Guide SDK V2 Methods Did this page help you?Yes No