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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.

All CSS

```
/ dont_have_api_sec_start / .api_key_instruct_ban{ background: #F5FCFF; border: 1px solid rgba(207, 217, 240, 0.2);
border-radius: 12px; -webkit-border-radius: 12px; display: flex; flex-wrap: wrap; padding: 33px; } .markdown-body h3 { color:
#000000 !important; } .api_key_instruct_ban_lft h3{ font-size: 24px; line-height: 1.3; letter-spacing: -0.03em; font-weight: 700;
font-family: 'Inter', sans-serif; margin-bottom: 7px; margin-top: 0px; color: #000000 !important; } .api_key_instruct_ban_lft
h3:last-child{ margin-bottom: 0; } .api_key_instruct_ban_lft p{ font-size: 14px; line-height: 1.3; color: #000000; font-family:
'Inter', sans-serif; font-weight: 400; } .gt_startd_vbtn{ display: inline-block; color: #FFFFFF !important; background: linear-
gradient(126.33deg, #36BEFF 5.38%, #733FF1 108.32%); border-radius: 6px; font-size: 16px; line-height: 1.3; font-weight:
600; font-family: 'Inter', sans-serif; padding: 9px 16px; } .gt_startd_vbtn:hover{ background: #000; color: #fff; }
.api_key_instruct_ban_lft{ flex-basis: 60%; max-width: 60%; padding-right: 15px; } .api_key_instruct_ban_rtt{ flex-basis:
40%; max-width: 40%; padding-left: 15px; align-self: center; } / dont_have_api_sec_end /
```

```
/* ===== responsive css ===== */
```

```
@media(min-width:1025px) {}
```

```
@media(max-width:1199px) {
```

```
.api_main {
  max-width: 100%;
}
.api_main_cont ul li a {
  width: 100%;
}
.left_icon .evm_part {
  width: 73%;
  margin: 22px auto auto auto;
}
.api_main_cont ul li a {
  padding: 10px 18px;
  border-radius: 12px;
}
.api_main_cont ul li a:hover::before {
  border-radius: 12px;
}
.learn_box,
.lear_outer {
  height: 100%;
}
.navbar-nav>li>a {
  font-size: 15px;
  padding: 8px 10px;
}
```

```

.top_header_links ul li a{
  font-size: 15px;
}
.footer_links_box ul li a{
  font-size: 13px;
}
/* dont_have_api_sec_start */
.api_key_instruct_ban{
  display: block;
  text-align: center;
  background: linear-gradient(180deg, #EBF9FF 0%, #EEF3FE 100%);
}
.api_key_instruct_ban_lft,.api_key_instruct_ban_rtt{
  max-width: 100%;
  padding: 0;
  flex-basis: 100%;
}
.api_key_instruct_ban_lft{
  margin-bottom: 30px;
}
/* dont_have_api_sec_end */
}

@media (max-width: 768px) {
  /* dont_have_api_sec_start */

  .api_key_instruct_ban_lft h3{
    font-size: 30px;
  }
  .api_key_instruct_ban_lft p{
    font-size: 16px;
  }
  .wrapper_body_cmn_out{
    max-width: 100%;
  }
  .api_key_instruct_ban_lft h3 {
    font-size: 40px;
    margin-bottom: 16px;
  }

  /* dont_have_api_sec_end */
}

@media (max-width: 350px){
  /* dont_have_api_sec_start */
  .api_key_instruct_ban_lft h3{
    font-size: 36px;
  }
  .api_key_instruct_ban{
    padding: 30px;
  }
  /* dont_have_api_sec_end */
}

```

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

Start using this method in your app today. [Get started for free](#) dont_have_api_sec_end

Description

Get all NFTs for a given contract address.

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

Parameters

Name Type Description contractAddress string The contract address of the NFT contract. options object The parameters to use for the request.

options

parameters

Property Type Description pageKey? string Optional page key from an existing OwnedBaseNftsResponse or

OwnedNftsResponse to use for pagination. pageSize number Sets the total number of NFTs to return in the response. Defaults to 100. Maximum page size is 100. omniMetadata boolean Optional boolean flag to omit NFT metadata. Defaults to false. tokenUriTimeoutInMs number No set timeout by default - When metadata is requested, this parameter is the timeout (in milliseconds) for the website hosting the metadata to respond. If you want only to access the cache and not live fetch any metadata for cache misses then set this value to 0.

Response

Property Type Description Promise object The NFTs for the contract

NftContractNftsResponse

object properties

Property Type Description nfts array of objects An array of objects containing NFTs with their respective metadata. pageKey string Pagination token that can be passed into another request to fetch the next NFTs. If there is no page key, then there are no more NFTs to fetch.

nfts

properties

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

Parameters in the contract include:

1. address : string The address of the NFT contract. 2. tokenType : object The type of the token in the contract 3. name : string The name of the contract. 4. symbol : string The symbol of the contract. 5. totalSupply?: string The number of NFTs in the contract as an integer string. This field is only available on ERC-721 contracts. 6. openSeaMetadata: object OpenSea's metadata for the contract. 7. contractDeployer?: string The address that deployed the NFT contract. 8. deployedBlockNumber?: number The block number the NFT contract deployed in. 9. isSpam : boolean Whether the NFT contract is marked as spam. 10. spamClassifications : array Potential reasons why an NFT Contract was classified as spam. tokenId string The unique identifier of the token. This could be in hexadecimal or decimal format. tokenType string The type of NFT, e.g., ERC721, ERC1155, UNKNOWN name string The NFT name. description string The NFT description. timeLastUpdated string When the NFT was last updated in the blockchain. Represented in ISO-8601 format. raw object The raw metadata for the NFT based on the metadata URI on the NFT contract.

1. tokenUri?: string : The raw token URI on the NFT contract. 2. metadata: string : The raw metadata parsed from the raw token URI. 3. error?: string : Error message if the raw metadata could not be fetched. tokenUri string URIs for accessing the NFT's metadata blob. image object Media URLs and information for the NFT. Parameters in this object include:

1. cachedUrl: string : URL of the image stored in Alchemy's cache. 2. thumbnailUrl: string : URL of a thumbnail-sized image. 3. pngUrl: string : URL of the image in png format. 4. contentType: string : The type of the media image. acquiredAt object Time at which the user most recently acquired the NFT. Only available when specifying orderBy: NftOrdering.TRANSFERTIME in the request.

1. blockTimestamp?: string : Timestamp of the block at which an NFT was last acquired. 2. blockNumber?: number : Block number of the block at which an NFT was last acquired. collection object Collection metadata for the NFT, if available. Parameters include:

1. name: string : The name of the collection. 2. slug?: string : The OpenSea human-readable slug of the collection. 3. externalUrl?: string : The external URL for the collection. 4. bannerImageUrl?: string : The banner image URL for the collection. mint object Mint information for the NFT. Parameters include:

1. mintAddress?: string : The address that the NFT was minted to. 2. blockNumber?: number : The block number that the NFT was minted on. 3. timestamp?: string : The timestamp the NFT was minted on. 4. transactionHash?: string : The transaction hash of the transaction that minted the NFT.

NftContractBaseNftsResponse

object properties

Property Type Description nfts array of objects An array of objects containing NFTs with their respective metadata. pageKey string Pagination token that can be passed into another request to fetch the next NFTs. If there is no page key, there are no more NFTs to fetch.

nfts

properties

The nfts object does not hold any metadata information and only contains the contract address and token ID. This is achieved by setting the options omitMetadata parameter to true .

Property Type Description contractAddress string The contract address of the NFT. tokenId string The NFT token ID as an integer string.

Example Request and Response

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

The commands for installing it using npm or yarn are given below:

```
npm yarn npm install alchemy-sdk@latest yarn add alchemy-sdk@latest
```

Request

```
index.js // Imports the Alchemy SDK const {Alchemy ,Network }= require ("alchemy-sdk");// Configures the Alchemy SDK
const config = {apiKey : "alchemy-replit" ,// Replace with your API key network :Network .ETH_MAINNET ,// Replace with
your network };// Creates an Alchemy object instance with the config to use for making requests const alchemy = new
Alchemy (config );const main = async ()=> {// 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 ();
```

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
```

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Code Sandbox

You can test out the `getNftsForContract` method using the code sandbox below:

Use Cases

Here are some potential use cases for the `getNftsForContract` method:

- NFT marketplace integration
- : An NFT marketplace could use the `getNftsForContract`
- method to display all the NFTs associated with a particular contract address. This would allow users to browse and search for NFTs on the marketplace easily.
- Portfolio tracking
- : NFT collectors or investors could use the `getNftsForContract`
- method to track their NFT holdings associated with a specific contract address. This could be particularly useful for investors who are interested in tracking the performance of specific NFT projects or creators.
- Gaming applications
- : Gaming applications that use NFTs could use the `getNftsForContract`
- method to retrieve all the NFTs associated with a particular game or game studio. This could help developers create more immersive gaming experiences and reward players with unique NFTs for their in-game achievements.

Related Methods

- [getNftMetadata](#)
- : Get the NFT metadata associated with the provided parameters.

Updated 5 months ago

[getContractMetadata](#) - [SDK](#) [getTransfersForOwner](#) - [SDK](#) Did this page help you? Yes No