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## getNftMetadata -SDK

Get the NFT metadata associated with the provided parameters.

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 the NFT metadata associated with the provided parameters.

## Parameters

Name Type Description contractAddress string The contract address of the NFT. tokenId string Token id of the NFT. options object Options for the request. A null object should still be passed in params if no options are provided for the request.

### options

paramters

Parameter Type Deescription tokenType? object Optional field to specify the type of token to speed up the query. Available options include: [ ERC721 = "ERC721", ERC1155 = "ERC1155", UNKNOWN = "UNKNOWN"] 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 to only access the cache and not live fetch any metadata for cache misses then set this value to 0. refreshCache? boolean Whether to refresh the metadata for the given NFT token before



returning the response. Defaults to false for faster response times.

## Response

Property Type Description Promise object Object containing nft metadata.

### Nft

response object 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 NFT token ID as an integer string. 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.

## 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 i alchemy-sdk@latest yarn add alchemy-sdk@latest
```

### Request

```
index.js // Imports the Alchemy SDK const {Alchemy ,Network }= require ("alchemy-sdk");// Configures the Alchemy SDK
const config = {apiKey : "alchemy-replit" ,// Replace with your API key network :Network .ETH_MAINNET ,// Replace with your network };// Creates an Alchemy object instance with the config to use for making requests const alchemy = new Alchemy (config );const main = async ()=> {const contractAddress = "0x5180db8F5c931aaE63c74266b211F580155ecac8" ;const tokenId = "1590" ;// call the method let response = await alchemy .nft .getNftMetadata (contractAddress ,tokenId , {});// logging the response to the console console .log (response ) };main ();
```

### 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-
6l_jbuRnGTHHW6TD63CtcIH75Dotfu2u8v6EmkWt-tjhkFRVLxRUwgMfKqqy5W24AoIJaye0?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-
6l_jbuRnGTHHW6TD63CtcIH75Dotfu2u8v6EmkWt-tjhkFRVLxRUwgMfKqqy5W24AoIJaye0?w=500&auto=format" }, "mint" :
{} }, "timeLastUpdated" : "2023-09-18T13:25:41.833Z" }
```

## Code Sandbox

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

## Use Cases

Here are some potential use cases for the `getNftMetadata` function:

- Displaying NFT information
- : When a user wants to view information about a specific NFT, such as its name, description, image, or other attributes, `getNftMetadata`
- can be called to retrieve this information from the NFT metadata.
- NFT marketplaces
- : NFT marketplaces can use `getNftMetadata`
- to display information about NFTs that are available for sale or auction. This information can help potential buyers decide which NFTs to purchase.
- Verification
- :
- `getNftMetadata`
- can be used to verify the authenticity of an NFT. If the metadata associated with an NFT matches the expected values, then it is more likely to be a genuine NFT.

## Related Methods

Here are the methods related to the `getNftMetadata` method:

- [getNftMetadataBatch](#)
- : Gets the NFT metadata for multiple NFT tokens.

Updated 5 months ago

[getNftsForOwner](#) - [SDK](#) [getNftMetadataBatch](#) - [SDK](#) Did this page help you? Yes No