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getTransfersForContract - SDK

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

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_cm_n_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 .rdmd-table td:nth-child(3) { min-width: 400px; }

.rdmd-table td:nth-child(1) { min-width: 160px; }

Description

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

Parameters

Name	Type	Description	Example	Contract Address	string	The NFT contract address to get transfers for.
			"0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734"	Options (Optional)	object	An optional object with the following properties:

1. fromBlock : Starting block (inclusive) to get transfers from. This can be an integer of the block number, hex string of the block number or a block tag such as latest , earliest or finalized .
2. toBlock : Ending block (inclusive) to get transfers from. This can be an integer of the block number, hex string of the block number or a block tag such as latest , earliest or finalized .

3. order : Whether to return results in ascending or descending order by block number. Defaults to ascending if omitted. The options are "asc" for ascending order and "desc" for descending order.

4. pageKey : Optional page key from an existing response to use for pagination. { fromBlock: 16564734, toBlock: 16567427, order: "desc", }

Response

The getTransfersForContract method returns a Promise object that contains the NFT transfers for the given NFT contract address.

The returned object has the following fields:

Property (Field) Description nfts An array of the transfer objects. Each transfer object contains information about the transferred NFT. pageKey? Optional page key to use to fetch the next group of NFTs. undefined if all the transfers are already included in the response. Each transfer object has the following fields:

Property (Field) Description contract The address of the NFT contract tokenId The unique identifier of the NFT being transferred. tokenType The type of NFT being transferred (ERC721 or ERC1155) title Title or name of the NFT. description A brief description of the NFT. timeLastUpdated When the NFT was last updated in the blockchain. Represented in ISO-8601 format. metadataError? Holds an error message if there was an issue fetching metadata. rawMetadata? The raw metadata fetched from the metadata URL specified by the NFT. The field is undefined if Alchemy was unable to fetch metadata. tokenUri? URIs for accessing the NFT's metadata blob. media URIs for accessing the NFT's media assets. spamInfo? Detailed information on why an NFT was classified as spam. undefined if the NFT is not classified as spam. from The address the NFT was sent from. For minted NFTs, this field is set to 0x00 . to The address the NFT was sent or minted to. transactionHash The transaction hash where the transfer or mint occurred. blockNumber The block number as a hex string of when the transfer or mint occurred.

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 yarn add alchemy-sdk
```

Request

Here is an example of how to make a getTransfersForContract request using the Alchemy SDK:

```
getTransfersForContract.js // 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 ();
```

Response

And here is an example of what a successful response to this request might look like:

```
getTransfersForContract response {"nfts" : [ {"contract" : {"address" : "0x1f02bf9dde7c79137a08b2dd4fc964bfd2499734" , "name" : "Elephants" , "symbol" : "ELENFT" , "totalSupply" : "7778" , "tokenType" : "ERC721" , "openSea" : {"floorPrice" : 0.022} , "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 lc3cream 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" : "2023-02-02T08:11:43.000Z" } , "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" : "2023-02-04T23:45:33.795Z"
,"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" : "Glowing" ,"trait_type" : "Body" } , { "value" : "Clubmasters" ,"trait_type" : "Eyes" } , { "value" : "Shocked"
,"trait_type" : "Mouth" } , { "value" : "Tie Dye" ,"trait_type" : "Outfit" } , { "value" : "Double" ,"trait_type" : "Tusks" } ] } , "tokenUri" :
{"raw" : "ipfs://QmcpMnvcMuvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/890" ,"gateway"
:"https://ipfs.io/ipfs/QmcpMnvcMuvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/890" } , "media" : [ { "raw"
:"ipfs://QmTvmGSL6cFxRyoam2vBRgVL8vjclRzdum14K9qMQ7MP2b" ,"gateway" : "https://nft-cdn.alchemy.com/eth-
mainnet/121fdb0563b1917179c9ad7d97ae081f" ,"thumbnail"
:"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/121fdb0563b1917179c9ad7d97ae081f"
,"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" : 0.022 ,"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 lc3cream 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" : "2023-02-02T08:11:43.000Z"
} , "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"
:"2023-01-07T22:53:31.448Z" ,"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" : "Mammoth" ,"trait_type" : "Body" } , { "value" : "Mad" ,"trait_type" : "Eyes" } , { "value"
:"Tennis Ball" ,"trait_type" : "Item" } , { "value" : "Lips Open" ,"trait_type" : "Mouth" } , { "value" : "Green Doctor" ,"trait_type"
:"Outfit" } , { "value" : "Nubs" ,"trait_type" : "Tusks" } ] } , "tokenUri" : { "raw"
:"ipfs://QmcpMnvcMuvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" ,"gateway"
:"https://ipfs.io/ipfs/QmcpMnvcMuvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" } , "media" : [ { "raw"
:"ipfs://QmaL3UbrR8T1tz7j8SuYmQxkQJoPXYZeU49YC5DCHphKDg" ,"gateway" : "https://nft-cdn.alchemy.com/eth-
mainnet/8e8706cbd7f6f2b46576dd386410b805" ,"thumbnail"
:"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805"
,"format" : "png" ,"bytes" : 198447 } ] , "from" : "0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" ,"to"
:"0x6a3623db71c1b3442a94e3fd4655334b48114693" ,"transactionHash"
:"0x13f33287ac95893e06cda2cd30c08003808ac46867382d8c92e1c864e4895ec6" ,"blockNumber" : "0xec8131" } ] }
```

Code Sandbox

You can test the `getTransfersForContract` method using the code sandbox below:

Use Cases

Some of the use cases for `getTransfersForContract` are:

- NFT Market Analysis
 - : An NFT market analysis platform could use the API to gather data on NFT transfers for a specific NFT contract and analyze the demand and supply of that particular NFT.
- NFT Contract Monitoring
 - : An NFT contract owner or administrator could use the API to monitor all transfers of their NFT contract and ensure that they are being used in a compliant manner.
- NFT Trading Platform
 - : An NFT trading platform could use the API to retrieve information about all transfers of a specific NFT contract and display it to users, allowing them to trade and buy/sell NFTs.
- NFT Project Tracking
 - : Investors or fans of a specific NFT project could use the API to track the growth and adoption of the project by monitoring the number and frequency of NFT transfers for the associated NFT contract.

Related Methods

Here are the methods related to `getTransfersForContract` :

- [getTransfersForOwner](#)
- : Returns all NFT transfers for a given owner address.

- [getMintedNfts](#)
- : Returns all the NFTs minted by a specified owner address.

Updated 5 months ago

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