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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 contractAddress string The NFT contract address to get transfers for. "0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734" options? 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.

### TransfersNftResponse

object properties

The returned object has the following fields:

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

#### nfts

properties

Each transfer object has the following fields:

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. from string The address the NFT was sent from. For minted NFTs, this field is set to 0x00 . to string The address the NFT was sent or minted to. transactionHash string The transaction hash where the transfer or mint occurred. blockNumber string The block number as a hex string of when the transfer or mint occurred.

## Example Request and Response

Prerequisite : You must 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

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" , "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 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" , "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" : "0x7cdf3018a244529c6b1c6b85171f5c1cbf355c78b5f4faa80bd2fcfaf0d4429" } , "timeLastUpdated" : "2023-02-18T18:43:33.104Z" , "from" : "0x93ab7195dc4dd4a098efb10b47fe48c7893b8864" , "to" : "0xad2596f9506309ea64e81605aaa4e898134ac1f2" , "transactionHash" : "0xc9ec76b5c70c1dc71c09a2f383a4ae5a93331a0d4dea690171041263ae416c05c" , "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 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" , "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" } ] }
```

## 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.

## 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

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