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## getTransfersForOwner - SDK

The getTransfersForOwner method gets all NFT transfers for a given owner 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

## Description

getTransfersForOwner gets all NFT transfers for a given owner's address.

## Parameters

Name Type Description Example Owner Address string The owner address to get transfers for.  
 "0xe5cB067E90D5Cd1F8052B83562Ae670bA4A211a8" Category (Optional) string Whether to get transfers TO or FROM  
 the owner address. TO , FROM Options (Optional) Object An optional object with the following properties:

1. contractAddresses : An array of NFT contract addresses to filter mints by. If omitted, defaults to all contract addresses.
2. tokenType : Filter mints by ERC721 vs ERC1155 contracts. If omitted, defaults to all NFTs.
3. pageKey : Optional page key from an existing response to use for pagination. { contractAddresses:  
 ["0x1F02bF9dDe7C79137a08B2Dd4FC964BfD2499734"], tokenType: "ERC721" }



# Response

The `getTransfersForOwner` method returns a Promise object that contains the NFT transfers for the given owner 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 `getTransfersForOwner` request using the Alchemy SDK:

```
getTransfersForOwner.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 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 ();
```

## Response

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

```
getTransfersForOwner 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 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" : "2023-02-02T08:11:43.000Z"
}, "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"
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:"https://ipfs.io/ipfs/QmcpMnvcMuvn3EsQ6QmV1J7QwouBKimrhbHpEV5Db9gFgy/3990" }, "media" : [ {"raw"
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mainnet/8e8706cbd7f6f2b46576dd386410b805" , "thumbnail"
:"https://res.cloudinary.com/alchemyapi/image/upload/thumbnailv2/eth-mainnet/8e8706cbd7f6f2b46576dd386410b805"
,"format" : "png" , "bytes" : 198447 } ], "from" : "0xe5cb067e90d5cd1f8052b83562ae670ba4a211a8" , "to"
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:"0x13f33287ac95893e06cda2cd30c08003808ac46867382d8c92e1c864e4895ec6" , "blockNumber" : "0xec8131" } ] }

```

## Code Sandbox

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

## Use Cases

Some of the use cases for `getTransfersForOwner` are:

- NFT Marketplace
- : An NFT marketplace could use the API to retrieve all the NFT transfers for a particular owner and display them on their website for the owner to see their NFT collection and transactions history.
- NFT Portfolio Tracking
- : An individual or a company could use the API to track all the NFT transfers to and from their address, and keep a record of their NFT portfolio.
- NFT Analytics
- : An NFT analytics platform could use the API to gather data on NFT transfers, and analyze the NFT market trends and patterns.

## Related Methods

Here are the methods related to `getTransfersForOwner` :

- [getMintedNfts](#)
- : Returns all the NFTs minted by a specified owner address.
- [getTransfersForContract](#)
- : Returns all NFT transfers for a given NFT contract address.

Updated 5 months ago

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