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getNftSales - SDK

Returns NFT sales that have happened through on-chain marketplaces.

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

Returns NFT sales that have happened through on-chain marketplaces.

Parameters

Name Type Description options object The optional parameters to use for the request.

options

parameters

parameter type description fromBlock number The block number to start fetching NFT sales data from, i.e., latest . toBlock number The block number limit to fetch NFT sales data from, i.e., latest order string Whether to return the results in ascending or descending order by block number. ASCENDING = asc , DESCENDING = desc . marketplace string The NFT marketplace to filter sales by. Examples are [SEAPORT = seaport , LOOKSRARE = looksrare , X2Y2 = x2y2 , WYVERN' = wyvern , 'CRYPTOPUNKS' = cryptopunks , UNKNOWN = unknown buyerAddress string The address of the NFT buyer to filter sales by. sellerAddress string The address of the NFT seller to filter sales by. taker string Filter by whether the buyer or

seller was the taker in the NFT trade. Defaults to returning both buyer and seller taker trades. Available options are: [BUYER = buyer , SELLER = seller]. limit number The maximum number of NFT sales to return. pageKey string Key for pagination to use to fetch results from the next page if available.

Response

Property Type Description Promise object Returns the NFT sales that have happened through on-chain marketplaces.

Promise

object parameters

Property Type Description nftSales object List of NFT sales that match the query. validAt object Block Information of the block as of which the corresponding data is valid. Includes the following properties:

- blockNumber : The block number the sale information is valid at. - blockHash : The block hash. Used to detect reorgs. - blockTimestamp : The timestamp for the block. pageKey string The page key to use to fetch the next page if more results are available.

nftSales

parameters

Parameter Type Description marketplace string The marketplace the sale took place on. Currently tracked marketplaces are Seaport, Looksrare, X2Y2, Wyvern, Blur and Cryptopunks. For all other marketplaces this field is unknown. contractAddress string The NFT contract address. tokenId string The decimal token ID of the NFT being sold. quantity string The number of tokens sold in the sale as a decimal integer string. buyerAddress string The address of the buyer in the NFT sale. sellerAddress string The address of the seller in the NFT sale. taker string Whether the price taker in the trade was the buyer or the seller. sellerFee object The payment from buyer to the seller. The parameters in this object include: amount :string , symbol :string , decimals :number , decimal (deprecated):number protocolFee object The payment from buyer to the marketplace.

The parameters in this object include: amount :string , symbol :string , decimals :number , decimal (deprecated):number . royaltyFee object The payment from buyer to the royalty address of the NFT collection. The parameters in this object include: amount :string , symbol :string , decimals :number , decimal (deprecated):number . blockNumber number The block number the NFT sale took place in. logIndex number The log number of the sale event emitted within the block. bundleIndex number The index of the token within the bundle of NFTs sold in the sale. transactionHash string The transactionHash of the NFT sale.

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

```
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 ()=> { //Call the method to return the nft sales data const response = await alchemy .nft
.getNftSales ()//Logging the response to the console console .log (response ) };main ();
```

Response

```
JSON {"nftSales" : [ {"marketplace" : "cryptopunks" , "contractAddress" : "0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb"
, "tokenId" : "544" , "quantity" : "1" , "buyerAddress" : "0x5b098b00621eda6a96b7a476220661ad265f083f" , "sellerAddress"
: "0xc352b534e8b987e036a93539fd6897f53488e56a" , "taker" : "seller" , "sellerFee" : {"amount" : "1000000000000000000"
, "tokenAddress" : "0x0000000000000000000000000000000000000000" , "symbol" : "ETH" , "decimals" : 18 } , "marketplaceFee"
: {} , "protocolFee" : {} , "royaltyFee" : {} , "blockNumber" : 3919706 , "logIndex" : 25 , "bundleIndex" : 0 , "transactionHash"
: "0xb28b5f2c186bf534e4fc4b8604b1496c9632e42269424f70ef1bdce61ea8ba52" } , {"marketplace" : "cryptopunks"
, "contractAddress" : "0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb" , "tokenId" : "3134" , "quantity" : "1" , "buyerAddress"
: "0xc352b534e8b987e036a93539fd6897f53488e56a" , "sellerAddress" : "0x5b098b00621eda6a96b7a476220661ad265f083f"
, "taker" : "buyer" , "sellerFee" : {"amount" : "1000000000000000000" , "tokenAddress"
```

```

:"0x0000000000000000000000000000000000000000000000000000000000000000", "symbol" : "ETH", "decimals" : 18 }, "marketplaceFee" :
{ }, "protocolFee" : { }, "royaltyFee" : { }, "blockNumber" : 3919721, "logIndex" : 9, "bundleIndex" : 0, "transactionHash"
:"0x65579455ac3227e7b3db72b4e359e988bb16cae6d26c88818d1a6991b478b274" }, { "marketplace" : "cryptopunks",
"contractAddress" : "0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb", "tokenId" : "5056", "quantity" : "1", "buyerAddress"
:"0x00bd9fd57c423a1b1c969823d409156d90974d77", "sellerAddress"
:"0xc352b534e8b987e036a93539fd6897f53488e56a", "taker" : "buyer", "sellerFee" : { "amount" : "10000000000000000000"
,"tokenAddress" : "0x0000000000000000000000000000000000000000000000000000000000000000", "symbol" : "ETH", "decimals" : 18 }, "marketplaceFee"
: { }, "protocolFee" : { }, "royaltyFee" : { }, "blockNumber" : 3919847, "logIndex" : 35, "bundleIndex" : 0, "transactionHash"
:"0xd79cca9282c06a0edb8f9426aae734119f0f2ed0d9683dfe3723dc7814f5fccd" }, { "marketplace" : "cryptopunks",
"contractAddress" : "0xb47e3cd837ddf8e4c57f05d70ab865de6e193bbb", "tokenId" : "5719", "quantity" : "1", "buyerAddress"
:"0x00bd3a6660309fb9e0129b9b777a9ccb9c2869dc", "sellerAddress"
:"0x5b098b00621eda6a96b7a476220661ad265f083f", "taker" : "buyer", "sellerFee" : { "amount" : "4000000000000000000"
,"tokenAddress" : "0x0000000000000000000000000000000000000000000000000000000000000000", "symbol" : "ETH", "decimals" : 18 }, "marketplaceFee"
: { }, "protocolFee" : { }, "royaltyFee" : { }, "blockNumber" : 4367925, "logIndex" : 71, "bundleIndex" : 0, "transactionHash"
:"0xe6e1885bd2dd142c63b79df6aca0ad3213e37c3a9f01a550c30fa1b234d3c7f2" } ], "validAt" : { "blockNumber" : 17736688
,"blockHash" : "0x09c001045ba91210c239bf53948ce23329306cd64fe9c1618d6b9459ff283817", "blockTimestamp" : "2023-
07-20T20:13:35Z" }, "pageKey" : "NDM2ODAYNSw3Miw" }

```

Code Sandbox

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

Use Cases

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

- NFT market analysis
- : By using
- `getNftSales`
- , users can retrieve data about the sales of various NFTs on the blockchain network. This data can be used to analyze market trends and understand the popularity of specific NFTs. This information can be used by investors and traders to make informed decisions about buying or selling NFTs.
- Royalty calculation
- : NFTs often include royalty clauses that enable creators to receive a percentage of the sale price every time the NFT is sold.
- `getNftSales`
- can be used to retrieve information about all the sales of a specific NFT, allowing creators to calculate their royalty payments accurately.
- Proof of ownership
- :
- `getNftSales`
- can be used to verify the ownership of an NFT by checking the history of its sales. This can be helpful in cases where the ownership of an NFT is disputed or when verifying the authenticity of an NFT.

Updated 5 months ago

[getNftMetadata - SDK](#) [cancelPrivateTransaction - SDK](#) Did this page help you? Yes No