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computeRarity - SDK

Returns the floor prices of an NFT contract by marketplace.

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: #00000 limportant; } .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: #00000 limportant; } .api key instruct ban lft h3:last-child{ margin-bottom: 0; } .api key instruct ban Ift 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: lineargradient(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 rarity of each attribute of an NFT.

Parameters

Name Type Description contractAddress string The contract address of the NFT collection. tokenId string Token id of the NFT.

Response

Property Type Description Promise object The response object for the method.

ComputeRarityResponse

object properties

Parameter Type Description rarities array of objects Summary of the attribute prevalence for the specified NFT contract.

rarities

response properties

Property Type Description value string Name of the NFT's attribute. traitType string The type of NFT attribute. prevalence number A number from 0 to 1 represents this value's prevalence for this trait type in the current collection.

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

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 ()=> {// define the contract address and tokenId const address = "0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d" ;const tokenId = 145 ;//Call the method to display the rarity of each attribute of the NFT const response = await alchemy .nft .computeRarity (address ,tokenId)//Logging the response to the console console .log (response) }main ();

Response

JSON {"rarities" : [{"traitType" :"Background" ,"value" :"Orange" ,"prevalence" :0.1273 }, {"traitType" :"Hat" ,"value" :"Prussian Helmet" ,"prevalence" :0.013 }, {"traitType" :"Mouth" ,"value" :"Bored Unshaven" ,"prevalence" :0.1551 }, {"traitType" :"Fur" ,"value" :"Black" ,"prevalence" :0.1229 }, {"traitType" :"Clothes" ,"value" :"Bone Necklace" ,"prevalence" :0.0203 }, {"traitType" :"Eyes" ,"value" :"3d" ,"prevalence" :0.0487 }] }

Code Sandbox

You can test out the computeRarity method using the code sandbox below:

Use Cases

Here are some potential use cases for the computeRarity method:

- · NFT marketplaces
- : NFT marketplaces such as OpenSea, Rarible, and SuperRare use the
- computeRarity
- method to calculate the rarity score of different NFTs helps determine their value in the marketplace.
- NFT collections
- : NFT collections such as CryptoKitties and CryptoPunks use the
- computeRarity
- method to determine the rarity of each NFT in their collection, which adds to the overall uniqueness and value of the collection.
- Gaming applications
- . : Gaming applications that use NFTs often use the
- · computeRarity
- method to calculate the rarity of different game items, such as weapons or armor, which can affect their in-game performance and value.

Updated 5 months ago

getFloorPrice - SDK verifyNftOwnership - SDK Did this page help you?Yes No