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getTransactionReceipts - SDK

Gets all transaction receipts for a given block by number or block hash.

All CSS

margin-bottom: 7px; margin-top: 0px; color: #00000 limportant; } .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: #FFFFF limportant; 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/

```
@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 contullia [
       padding: 10px 18px
border-radius: 12px
    .api_main_cont ul li a:hover::before {
       border-radius: 12px;
    Jearn 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 Ift 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

Gets all transaction receipts for a given block by number or block hash.

Parameters

Name Type Description params object The api only takes in one parameter - an object with at least a blockNumber or blockHash . If both are provided, blockHash is prioritized.

params

Parameters

Parameter Type Description blockNumber number The block number you want to get transaction receipts for, inhex . blockHash string The block hash you want to get transaction receipts for.

Response

Property Type Description Promise array of objects A list of transaction receipts for each transaction in this block

TransactionReceiptsResponse

object parameters

Parameter Type Description to string 20 Bytes - address of the receiver. null when its a contract creation transaction from string 20 Bytes - address of the sender contractAddress string 20 Bytes - The contract address created, if the transaction was a contract creation, otherwise null transactionlndex number Integer of the transactions index position log was created from. null when its pending log. root? string 32 bytes of post-transaction stateroot (pre Byzantium) gasUsed number The amount of gas used by this specific transaction alone logsBloom string 256 Bytes - Bloom filter for light clients to quickly retrieve related logs transactionHash string 32 Bytes - hash of the transaction logs array Array of log objects, which this transaction generated blockNumber number The block number where this log was in. null when its pending. null when its pending log. type number type status integer Either 1 (success) or 0 (failure) cummulativeGasUsed number A cummulative amount of gas used for

the transaction. effectiveGasPrice number the gas price

Example Request and Response

Prerequisite: You will need to install the Alchemy SDK before making requests with it.

The commands for installing it usingnpm oryarn are given below:

npm yarn npm install alchemy-sdk yarn add alchemy-sdk

Request

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

gettransactionreceipts.js // Imports the Alchemy SDK const {Alchemy ,Network ,Utils }= 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 params object const params = {// blockNumber blockNumber :"0x18760312114f3fdf11f9d5846245995835aa59994d5fc4203faee52d2f7eaabe" };//The response returns the transaction receipts of the blockNumber let response = await alchemy .core .getTransactionReceipts (params)//Logging the response to the console console .log (response) };main ();

Response

Shell { to:'0xF02c1c8e6114b1Dbe8937a39260b5b0a374432bB' , from:'0xa7d9ddBE1f17865597fBD27EC712455208B6B76d' , contractAddress: null, transactionIndex:65 , gasUsed: BigNumber { hex:'0x53a0' . isBigNumber:true }

| NockHash: 0x1059ff54b1eb26b013ce3cb5fc9dab3705b415e521270003c3e61eb445b8df2; | transactionIndex:65 gasUsed: BigNumber { | hex: 0x53a0 ', | isBigNumber:true }, | status:1 , type:0 , byzantium:true }, { to: 0xF02c1c8e6114b1Dbe8937a39260b5b0a374432bB', from: 0xa7d9ddBE1t17865597BD27EC712455208B6B76d', contractAddress: null, transactionIndex:65 gasUsed: BigNumber { | hex: 0x53a0 ', | isBigNumber:true }, | status:1 , type:0 , byzantium:true }, |

blockHash: 0x1d59ff54b1eb26b013ce3cb5fc9dab3705b415a67127a003c3e61eb445bb8df2', transactionHash: 0x88df016429689c079f3b2f6ad39fa052532c56795b733da78a91ebe6a713944b', logs: [], blockNumber:6139707 , confirmations:10565824 , cumulativeGasUsed: BigNumber { _hex:'0x20ec2d' , _isBigNumber:true }, effectiveGasPrice: BigNumber { _hex:'0x04a817c800' , _isBigNumber:true }, status:1 , type:0 , byzantium:true }

Code Sandbox

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

Use Cases

Here are some possible use cases for the getTransactionReceipts method:

- · Transaction Confirmation
- : You can use
- getTransactionReceipts
 to check if a transaction has been successfully confirmed by the EVM networks. A transaction receipt contains information such as the block number and transaction status, which can indicate if the transaction was successful or not.
- Contract Interaction
- : When you interact with a smart contract on the EVM networks, you typically receive a transaction hash. You can use
- getTransactionReceipts
- to retrieve the transaction receipt for that hash, which contains the contract address and any events emitted by the contract during the transaction.
- Transaction History
- : If you need to keep track of the transactions you have sent or received on the EVM networks, you can use
- getTransactionReceipts
- storetrieve the receipts for those transactions. You can then store this information in your application's database or use it to generate reports.

Related Methods

Here are the methods related to getTransactionReceipts:

- : Returns the transaction receipt for hash or null if the transaction has not been mined

Updated 5 months ago

send - SDK getTransaction - SDK Did this page help you?Yes No