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waitForTransaction - SDK

Returns a promise which will not resolve until specified transaction hash is mined.

If confirmations is 0, this method is non-blocking, and if the transaction has not been mined returns null. Otherwise, this method will block until the transaction has confirmed blocks mined on top of the block in which it was mined.

/ 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_lft pf 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_lft{ flex-basis: 40%; max-width: 40%; padding-left: 15px; align-self: center; } / dont_have_api_see_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_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 Ift pl
         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

Returns a promise which will not resolve until the specified transaction hash is mined.

If confirmations is 0, this method is non-blocking, and if the transaction has not been mined returns null. Otherwise, this method will block until the transaction has confirmed blocks mined on top of the block in which it was mined.

Parameters

Name Type Description transactionHash string The hash of the transaction to wait for. confirmations number Optional The number of blocks to wait for. timeout number Optional The maximum time to wait for the transaction to confirm.

Response

Property Type Description Promise object Returns the transaction status.

TransactionReceipt

response object parameters

Property 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. transactionIndex 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 | string The amount of gas used by this specific transaction alone logsBloom string 256 Bytes - Bloom filter for light clients to quickly retrieve related logs. blockHash string 32 Bytes - hash of the block where this log was in. null when its pending log. 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.

confirmations number Describes the number of confirmations. cummulativeGasUsed number | string The total amount of gas used when this transaction was executed in the block. effectiveGasPrice number | string Effective gas price used. byzantium boolean specifies true or falsle . type number Describes the type. status? number Either1 (success) or0 (failure)

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

index.js // Imports the Alchemy SDK const {Alchemy ,Network ,Wallet ,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 transaction hash const txHash = "0x88df016429689c079f3b2f6ad39fa052532c56795b733da78a91ebe6a713944b" ;//Call the method const response = await alchemy .transact .waitForTransaction (txHash)//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 },

Code Sandbox

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

Use Cases

Here are some potential use cases for the waitForTransaction method:

- · Ensuring transaction execution
- : When sending a transaction to the Ethereum network, there is no guarantee that the transaction will be executed immediately
- waitForTransaction
- · can be used to ensure that the transaction is mined and executed before moving on to the next step in the program.
- Waiting for contract deployment
- : When deploying a new smart contract to the Ethereum network, it may take some time for the contract to be deployed and ready for use
- waitForTransaction
- can be used to wait for the contract deployment transaction to be confirmed before interacting with the contract.
- Checking transaction status
- :
- waitForTransaction
- can be used to check the status of a transaction and ensure that it was successfully mined and confirmed by the network. This is useful for ensuring that funds were successfully transferred, or for verifying that a contract function was executed as expected.

Updated 5 months ago

traceBlock - SDK traceCall - SDK Did this page help you?Yes No