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createWebhook - SDK

This endpoint allows you to create a webhook. Note that the webhook will be created in the app network of the provided app id.

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_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/

```
/* ======= 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\{
       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

This endpoint allows you to create a webhook.

Note that the webhook will be created in the app network of the provided app id.

Parameters

Name Type Description url string The URL that the webhook should send events to. type string The type of webhook to create. Available options include: MINED_TRANSACTION, DROPPED_TRANSACTION, ADDRESS_ACTIVITY, NFT_ACTIVITY, GRAPHQL params object Params object containing the parameters required to create a webhook depending on the type of webhook to be created.

params

Parameters

NOTE

Include only one of these params objects as the third parameter. Name Type Description TransactionWebhookParams object Used for Mined / Dropped Transaction Webhooks, i.e., MINED TRANSACTION & DROPPED TRANSACTION.

Parameters in this object include:

1. appld - string The app id of the project to create the mined/dropped transaction webhook on. AddressWebhookParams object Used for Address Activity Webhooks, i.e., ADDRESS_ACTIVITY.

Parameters here include:

- 1. addresses array of strings Array of addresses the webhook should track activity for.
- 2. network string Optional network to create the webhook on. If omitted, the webhook will be created on network of the app provided in the api key config. NftWebhookParams object Used for NFT Filter Webhooks, i.e., NFT ACTIVITY.

Parameters here include:

- 1. addresses array of objects Array of NFT filters the webhook should track containing the contractAddress and tokenId.
- 2. network string Optional network to create the webhook on. If omitted, the webhook will be created on network of the app provided in the api key config. CustomGraphqlWebhookParams object Used for Custom Webhooks, i.e., GRAPHQL.

Parameters here include:

- 1. graphqlQuery string A valid, stringified GraphQL query that you would like to host on Alchemy
- 2. network string Optional network to create the webhook on. If omitted, the webhook will be created on network of the app provided in the api key config.

Response

Property Type Description Promise object Returns webhook creation data.

DroppedTransactionWebhook

response object parameters

Property Type Description type string Type of webhook.

MINED_TRANSACTION, DROPPED_TRANSACTION, ADDRESS_ACTIVITY, NFT_ACTIVITY id string Unique ID for given webhook. network string Network of webhook.

ETH_MAINNET

ETH GOERLI

ETH_ROPSTEN

ETH_RINKEBY

ETH_KOVAN

MATIC MAINNET

MATIC_MUMBAI

ARB MAINNET

ARB RINKEBY

OPT MAINNET

OPT_KOVAN url string URL endpoint where webhook is sent isActive boolean true if webhook is active, false if not active. timeStamp string Timestamp webhook was created. signingKey string Signing key for given webhook. version string Webhook version (v1 or v2). appld string Only exists forMined / Dropped Transactions.

The App ID of the project the webhook is connected to.

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@latest yarn add alchemy-sdk@latest

Request

index.js // Setup: npm install alchemy-sdk // Github: https://github.com/alchemyplatform/alchemy-sdk-js import {Alchemy ,Network ,WebhookType }from "alchemy-sdk" ;// authToken is required to use Notify APIs. Found on the top right corner of // https://dashboard.alchemy.com/notify. const settings = {authToken: "your-notify-auth-token", network :Network .ETH MAINNET ,// Replace with your network. };const alchemy = new Alchemy (settings);const minedTxWebhook = await alchemy .notify .createWebhook ("https://webhook.site/your-webhook-url", WebhookType .MINED_TRANSACTION, {appld :"wq9fgv022aff81pg" });const droppedTxWebhook = await alchemy .notify .createWebhook ("https://webhook.site/yourwebhook-url", WebhookType .DROPPED_TRANSACTION, {appld:"wq9fgv022aff81pg"});const addressActivityWebhook = await alchemy .notify .createWebhook ("https://webhook.site/your-webhook-url" ,WebhookType .ADDRESS_ACTIVITY , {addresses: ["0xd8dA6BF26964aF9D7eEd9e03E53415D37aA96010"],network: Network: ETH_MAINNET, });const customGraphQLWebhook = await alchemy .notify .createWebhook ("https://webhook.site/your-webhook-url" ,WebhookType .GRAPHQL , {graphqlQuery :"{ block { # Block hash is a great primary key to use for your data stores! hash, number, timestamp, # Add smart contract addresses to the list below to filter for specific logs logs(filter: {addresses: [], topics: []}) { data, topics, index, account { address }, transaction { hash, nonce, index, from { address }, to { address }, value, gasPrice, maxFeePerGas, maxPriorityFeePerGas, gas, status, gasUsed, cumulativeGasUsed, effectiveGasPrice, createdContract { address } } } } " network :Network .ETH_MAINNET , });const nftActivityWebhook = await alchemy .notify .createWebhook https://webhook.site/your-webhook-url", WebhookType .NFT_ACTIVITY, {filters: [{contractAddress}" :"0x88b48f654c30e99bc2e4a1559b4dcf1ad93fa656" ,tokenId :"234" , },],network :Network .ETH_MAINNET , });

Response

JSON {"id" :"string" ,"network" :"ETH_MAINNET" ,"type" :"MINED_TRANSACTION" ,"url" :"string" ,"isActive" :true ,"timeCreated" :"string" ,"signingKey" :"string" ,"version" :"string" ,"appld" :"string" }

Use Cases

Here are some potential use cases for the createWebhook method:

- Notification of a completed transaction
- : If you have a web or mobile application that relies on completing transactions, you can use
- createWebhook
- to notify your application when a transaction is completed. This way, you can provide your users with real-time updates on the status of their transactions.
- Monitoring data changes
- : If you have a database or a system that stores data, you can use
- createWebhook
- to monitor changes in the data. This can be useful if you need to keep track of updates to customer information, inventory levels, or any other data that is important to your business.
- Real-time updates for chat applications
- If you have a chat application, you can use
- createWebhook
- to notify your users in real-time when a new message is received or when a user has joined or left the chat.

Related Methods

- updateWebhook
- : Update a
- NftActivityWebhook's
- · active status or NFT filters.
- deleteWebhook
- · : Delete a webhook.

Updated 5 months ago