Dashboard   Free Trial

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Overview

Coupontools API: simple & powerful

Connect our Coupontools platform with your apps or web projects. The Coupontools REST API allows you to query metadata about your account, campaigns, validations, usage data, and many more. Use the Coupontools API to integrate coupons directly into your website or app. Coupontools and your app will communicate by sending HTTP requests back and forth.

This page provides an overview of the Coupontools API. The topics in this chapter deal with several specific aspects of the API.

If you have any questions about integrating our API, don't hesitate to get in touch with us. We are happy to help!

Definitions

Coupon

A coupon is the layout/settings for one campaign for one business. Our platform generates and assigns a unique URL for each coupon in order to distinguish between different coupons. Example coupon URL: https://digicpn.com/p/vuhykb where "vuhykb" is the unique identifier for the coupon. When shared between consumers, each consumer will get a unique coupon (= coupon session).

Coupon session

Every consumer who opens or receives a coupon will have a unique URL assigned. When opening a coupon URL (f.e. https://digicpn.com/p/vuhykb), the system will automatically generate a unique coupon session and append it to the back of

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coupon session, meaning if one consumer validates the coupon, no one else can validate it again.

Directory

An application to group multiple coupons and loyalty cards for mobile apps, websites, touch TVs, Facebook tabs. Directories can require authentication or payments in order to access the coupons inside.

Loyalty card

A loyalty card is a card where consumers can earn and redeem points/stamps in order to receive coupons. Configure the number of points/stamps for each reward (coupon) in your Coupontools dashboard.

ID overview

cam_xxxxxx	Coupon ID	Unique reference for a coupon
loc_xxxxxx	Coupon redeem location ID	Unique reference for a coupon redeem location
xxxxxx	Directory ID	Unique reference for a directory
xxxxxx	Directory user ID	Unique reference for a directory user
dir_xxxxxx	Legacy directory ID	Unique reference for a legacy directory
reg_xxxxxx	Legacy directory user ID	Unique reference for a legacy directory user
cat_xxxxxx	Legacy directory category ID	Unique reference for a legacy directory category
xxxxxx	Wallet loyalty card ID	Unique reference for a wallet-based loyalty card
xxxxxx	Wallet loyalty card user ID	Unique reference for a wallet-based loyalty card. Alternatively called a stat ID.
loy_xxxxxx	Web loyalty card ID	Unique reference for a web-based loyalty card
lus_xxxxxx	Web loyalty card user ID	Unique reference for a web-based loyalty card

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cab_xxxxxx	subaccount ID	subaccount
gro_xxxxxx	Smstools group ID	Unique reference for a Smstools group
con_xxxxxx	Smstools contact ID	Unique reference for a Smstools contact

Authentication

The API client ID and secret must be sent along with each API request by providing it in the HTTP call's Authorization header. Your API credentials can be found under the "REST API" integration on the "Integrations" page in your Coupontools dashboard. Of course, it's very important to keep the API keys secure. Do not ever share them!

Request headers

X-Client-Id	Login to your account to get your API keys
X-Client-Secret	Login to your account to get your API keys

API of more recent products like the version 4 directories and wallet based loyalty cards use different headers to send along their API credentials.

x-api-key	Login to your account to get your API keys
x-api-secret	Login to your account to get your API keys

Webhooks

!   Click here to get a list of all available webhooks.

requiring you to pull information via our API, webhooks push information to your destination when important events occur.

Notifications are delivered via HTTP POST to a destination endpoint on your server and are sent based on the triggers you choose. Each webhook contains a notification kind and the full Coupontools object that the notification is reporting on. This information can be used to update your system or to trigger business processes.

Configuration

To configure a webhook, you'll need to:

1. Create a webhook destination URL on your server
2. Create a new webhook in the Control Panel by entering your webhook destination URL and selecting at least one type of notification for the webhook to fire on
3. Set up your server to parse incoming webhooks
4. Test your webhook handling code

Verification

Coupontools generates a signatures for each webhook using a hash-based message authentication code (HMAC) with SHA-256 as its hash function. Your API secret key will be used as the shared secret when generating the HMAC.

To verify the HMAC you'll need to:

- Compute an HMAC of the JSON payload using the SHA256 hash function and your API secret key
- Compare the computed HMAC to the HMAC received in the "x-hmac" header of the webhook request

Retries

We will resend webhook notifications every hour for up to 24 hours until both of the following are true:

- The webhook responds within 30 seconds

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