



# Kagi Coupon API

## Implementation and Users Guide

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# Description

## Objective

The Kagi Coupon API was developed to allow Kagi suppliers to add and remove coupon codes to and from existing Kagi Store coupon configurations without logging into Kagi Shopkeeper™ to make manual changes or republishing their store. The Kagi Coupon API is designed to help automate the process of one-off coupon code management.

## Requirements

In order to use the Kagi Coupon API, you must meet the following criteria:

- ✓ Must be a Kagi supplier
- ✓ Must create and configure a discount in the Kagi Shopkeeper
- ✓ Must create a coupon configuration in the Kagi Shopkeeper
- ✓ Must have the discount and coupon configurations published in a LIVE store

## Caveats

When using the Kagi Coupon API to add or remove coupon codes, please ensure that no users are logged into Kagi Shopkeeper. This will avoid changes from Kagi Shopkeeper overwriting changes made by the Kagi Coupon API.

The Kagi Coupon API is not intended to add, modify, or remove discount parameters, such as discount amounts or percentages, associated products, discount criteria, etc. The Kagi Coupon API is not intended to add or remove actual coupon configurations.

The Kagi Coupon API currently allows for the addition or removal of one coupon at a time. The ability to add or remove multiple coupons in a single call may be available in later revisions of the tool.

Coupon Code changes made via the Kagi Coupon API may take up to an hour to appear in the Kagi Store.

# Usage and Implementation

## Usage

To add or remove a coupon code, you will need to hit the couponAdmin.cgi script with the following information:

```
https://koop.kagi.com/cgi-bin/couponAdmin.cgi?action=<action>&supplierCode=<supplierCode>&couponName=<couponName>&couponCode=<couponCode>&hmac=<hmac>
```

## Required Parameters

Before adding or removing a coupon code, you will need the following pieces of information:

- ✓ **action:** either “add” or “remove”.
- ✓ **supplierCode:** This is your 2–5 character supplier ID (e.g. 6ABCD).
- ✓ **couponName:** The name of the coupon configuration from Kagi Shopkeeper. If you do not know the name of the coupon configuration, you can get it by logging into Kagi Shopkeeper, clicking the Store tab, and clicking on Discounts. Discounts that use coupons are denoted with “Used with coupon”. For use with the API, the coupon configuration name is the same as the discount name. If you do not have a coupon configuration, you will need to set one up and save/republish your store. The couponName value is case sensitive. If your coupon configuration is named “My Coupon” in Shopkeeper, the API will fail if you enter “my coupon” as the name.
- ✓ **couponCode:** The coupon code you wish to add or remove to or from the coupon configuration. Coupon codes should only contain non-accented alphanumeric characters.
- ✓ **hmac:** This is a unique string generated using the MD5 HMAC encryption method. To create the hmac parameter, first concatenate the values (in order) of **action**, **supplierCode**, **couponName**, and **couponCode**. Then, using the MD5 hash algorithm, encrypt the string using your Kagi password as the encryption key. The hmac value ensures API security and prevents unauthorized coupon insertion.

PHP Example:

```
$data = "add"."6ABCD"."My Coupon"."SAVE50";  
$hmac = hash_hmac('md5', $data, 'my login password');
```

Javascript Example:

```
var data = "add" + "6ABCD" + "My Coupon" + "SAVE50";  
var hash = hex_hmac_md5("my login password", data);
```

More information about the HMAC-MD5 algorithm can be found at <http://en.wikipedia.org/wiki/HMAC>

You can also view the source of the Kagi Coupon API at <https://koop.kagi.com/cgi-bin/couponAdmin.cgi> to see the Javascript reference implementation example in more detail.

## API Responses

When called, the Kagi Coupon API will return one of two responses: **SUCCESS** or **ERROR**. Your system should be configured to expect and accept one of these responses.

**SUCCESS:** Upon successful coupon code addition or removal, the couponAdmin.cgi script will return a SUCCESS response.

**ERROR:** If the couponAdmin.cgi script fails to add or remove a coupon code, an ERROR response will be returned, followed by the reason for the error. Error responses may include:

- **ERROR: missing or empty parameters** - [list of missing parameters]  
Check that you have included all of the required parameters (p. 2)
- **ERROR: hmac value does not match parameters provided**  
Check that you have generated your hmac value correctly by concatenating the values of the required parameters in the correct order - <action> + <supplierCode> + <couponName> + <couponCode>  
If values are being concatenated in the correctly, ensure your encryption key matches your supplier login password
- **ERROR: coupon code already exists**
- **ERROR: coupon code does not exists for the provided coupon configuration**
- **ERROR: no coupon configuration found for [couponName]**  
Check that the coupon configuration has been set up in Kagi Shopkeeper and that the store version has been saved and published.  
Check you have provided the correct coupon configuration name. Coupon configuration names are case sensitive.

## Kagi Coupon API Testing

The Kagi Coupon API test form can be found at <https://koop.kagi.com/cgi-bin/couponAdmin.cgi>. You may use this test form to both see the API in action and to add or remove coupon codes.



|   |   |
|---|---|
| <b>Test Form</b>                              |   |
| Action:                                       | <input type="button" value="add"/>      |
| Supplier Code:                                | <input type="text" value="6FBCF"/>      |
| Coupon Name:                                  | <input type="text" value="Sony"/>       |
| CouponCode:                                   | <input type="text" value="0987654321"/> |
| Supplier Password:                            | <input type="text"/>                    |
| <input type="button" value="Submit Request"/> |   |

## Help and Support

For questions and comments regarding the Kagi Coupon API and its functionality, please email the Account Management Team at [accountmanagement@kagi.com](mailto:accountmanagement@kagi.com).

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Integration of the Kagi Coupon API with systems outside Kagi is the sole responsibility of the supplier.

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## Version History

| Date           | Who            | What   |
|----------------|----------------|--|
| July 18, 2011  | Kimberly Walsh | Grammatical corrections, updated URLs, added new logo, updated text to include Kagi Shopkeeper |
| April 29, 2010 | Adam Yagiz     | Initial release for Kagi Coupon API  |

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