Newsstand / API Integration

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# 

# Introduction

The Newsstand Publisher JSON API is used for publishers who wish to send orders directly to Newsstand. These orders will then be processed and fulfilled by Newsstand.

This guide will show you how to integrate with this API, including all models and API endpoints that you will need.

# Getting Started

This section of the Newsstand API consists of 2 methods. One for creating subscriptions and another for renewing subscriptions. The base url for the API is:

Live: <https://api.newsstand.co.uk/>

Test: <https://dev-api.newsstand.co.uk/>

There is also a supporting ‘Countries’ endpoint where you can get the list of all countries in use by Newsstand. These are the countries that can then be used in your import requests.

## Authentication

Authentication for this API uses a vendor hash key. Your hash key can be generated through the Newsstand Portal site at <https://portal.newsstand.co.uk>. Please contact Newsstand directly if you do not have a login for the Portal site.

# Creating Subscriptions

Used to add a subscription into the Newsstand system. Please note that subscriptions will be verified by a member of the Newsstand team before they are activated.

## Resource URL

|  |  |
| --- | --- |
| Version | Webhook URL |
| Test | <https://api.newsstand.co.uk/v1/publisherDirect/import/test> |
| Live | <https://api.newsstand.co.uk/v1/publisherDirect/import> |

## Resource Information

|  |  |
| --- | --- |
| **Request formats** | JSON |
| **Request method** | POST |
| **Response formats** | JSON |
| **Requires authentication?** | Yes |

## Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Description** | **Data Type** | **Example** |
| VendorHash | required | Hash key unique to your vendor. Used for authentication. | string | PBSVURW4DHECIPB23ZU0KXL5EJ50U4 |
| Sku\_EanIdentifier | required | If UseMagazineEAN is set to false this wants to be the SKU/EAN of the start issue of the subscription.  Else it wants to be the SKU/EAN of the magazine for this subscription. | string | 9770262662 |
| UseMagazineEAN | required | Whether you want the `Sku\_EanIdentifier` to refer to the magazine or start issue for the subscription. | boolean | True |
| IssueOffset | required | Use this to modify the start issue of the subscription.  The value for this field can be either -1, 1 or 1  See ‘Determining the start issue of the subscription’ for how this field is used. | number | 1 |
| Frequency | required | Length of the subscription. | number | 10 |
| Qty | required | The number of each issue to be sent.  A quantity of 4 would result in 4 copies of each issue of the subscription being sent to the customer. Be careful not to confuse this with the `frequency` | number | 3 |
| First\_name | required | First name of the customer.  Max length 30 characters. | string | John |
| Last\_name | required | Last name of the customer.  Max length 30 characters. | string | Doe |
| Address1 | required | The delivery address for the order.  **2 lines of the address must be filled in.**  Each field has a max length of 30 characters. | string | 236 High Street |
| Address2 | required | string | London |
| Address3 | required | string |  |
| Address4 | required | string |  |
| Country | required | Delivery country for the order.  See Appendix 1 for a list of valid country names. | string |  |
| PostalOrZipCode | required | Post/zip code of the delivery address for the order.  Max length of 30 characters. | string | SW13 8XJ |
| Email | optional | Email of the customer | string | john.doe@gmail.com |
| Phone | optional | Phone number of the customer | string | 020 1234 1234 |
| GiftMessage | optional | A gift message to be sent with the magazine to the customer. | string | Happy Birthday John! |
| ExternalId | optional | Your id for the order. Not used by Newsstand. | string | ABC123 |
| ImportTime | optional | The date/time that the order was completed.  Provide in ISO 8601 format (see <https://www.w3.org/TR/NOTE-datetime> for more information) | DateTime | 2020-02-29T09:30:23 |

### Determining the start issue of the subscription

The start issue of the subscription is determined by 3 of the fields: Sku\_EanIdentifier, UseMagazineEAN and IssueOffset.

The first calculation is to get the current issue based on the Sku\_EanIdentifier and UseMagazineEAN.

If UseMagazineEAN is set to true, then the current issue will be the current issue of the magazine with the SKU/EAN that matches the Sku\_EanIdentifier.

If UseMagazineEAN is set to false, then the current issue will be the issue with the SKU/EAN that matches the Sku\_EanIdentifier.

The IssueOffset is then used to select the start issue of the subscription relative to the current issue.

* -1 - Start with the previous issue
* 0 - Start with the current issue
* 1 - Start with the next issue

## 

## Example Request

|  |
| --- |
| {  "VendorHash": "PBSVURW4DHECIPB23ZU0KXL5EJ50U4",  "Sku\_EanIdentifier": "9770262662",  "UseMagazineEAN": true,  "IssueOffset": 0,  "Frequency": 20,  "Qty": 1,  "First\_name": "John",  "Last\_name": "Doe",  "Address1": "236 High Street",  "Address2": "London",  "Address3": null,  "Address4": null,  "Country": "United Kingdom",  "PostalOrZipCode": "SW13 8JX",  "Email": "john.doe@gmail.com",  "Phone": "020 1234 1234",  "GiftMessage": "Happy Birthday John!",  "ExternalId": "ABC123",  "ImportTime": "2020-02-29T09:30:23" } |
|  |

## 

## Example Response

|  |
| --- |
| {  "vendorId": "100",  "vendorHashKey": "PBSVURW4DHECIPB23ZU0KXL5EJ50U4",  "vendorDomain": "sitename.com",  "statusCode": 200,  "importId": 115507,  "exception": null,  "isValid": true,  "errors": [] }  You will want to store the value of the importId returned by the API. This is Newsstand’s internal id for the subscription import and will be used when renewing this subscription in the future. |

### Example Error

|  |
| --- |
| {  "vendorId": "100",  "vendorHashKey": "PBSVURW4DHECIPB23ZU0KXL5EJ50U4",  "vendorDomain": "sitename.com",  "statusCode": 422,  "importId": 0,  "exception": null,  "isValid": false,  "errors": [  {  "propertyName": "SKU",  "errorMessage": "No magazine found with the SKU 12345"  }  ] } |

# Renewing Subscriptions

This endpoint is used for renewing already existing subscriptions. By adding the ‘import id’ of the previous successful import you will be able to create a renewal. You will need to save the import ids of imports in order to renew them. The renewal will return its own ‘import id’ that you will then want to use to create another renewal.

## Resource URL

|  |  |
| --- | --- |
| Version | Webhook URL |
| Test | <https://api.newsstand.co.uk/v1/publisherDirect/renewal/test> |
| Live | <https://api.newsstand.co.uk/v1/publisherDirect/renewal> |

## Resource Information

|  |  |
| --- | --- |
| **Request formats** | JSON |
| **Request method** | POST |
| **Response formats** | JSON |
| **Requires authentication?** | Yes |

## Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Required** | **Description** | **Data Type** | **Example** |
| VendorHash | required | Hash key unique to your vendor. Used for authentication. | string | PBSVURW4DHECIPB23ZU0KXL5EJ50U4 |
| Id | required | Id of the import to renew | number | 115507 |
| Frequency | required | Length of the subscription. | number | 10 |
| First\_name | required | First name of the customer.  Max length 30 characters. | string | John |
| Last\_name | required | Last name of the customer.  Max length 30 characters. | string | Doe |
| Address1 | required | The delivery address for the order.  **2 lines of the address must be filled in.**  Each field has a max length of 30 characters. | string | 236 High Street |
| Address2 | required | string | London |
| Address3 | required | string |  |
| Address4 | required | string |  |
| Country | required | Delivery country for the order.  See Appendix 1 for a list of valid country names. | string |  |
| PostalOrZipCode | required | Post/zip code of the delivery address for the order.  Max length of 30 characters. | string | SW13 8XJ |
| Email | optional | Email of the customer | string | john.doe@gmail.com |
| Phone | optional | Phone number of the customer | string | 020 1234 1234 |
| GiftMessage | optional | A gift message to be sent with the magazine to the customer. | string | Happy Birthday John! |
| ExternalId | optional | Your id for the order. Not used by Newsstand. | string | ABC123 |
| ImportTime | optional | The date/time that the order was completed.  Provide in ISO 8601 format (see <https://www.w3.org/TR/NOTE-datetime> for more information) | DateTime | 2020-02-29T09:30:23 |

## Example Request

|  |
| --- |
| {  "VendorHash": "PBSVURW4DHECIPB23ZU0KXL5EJ50U4",  "Id": 115507,  "Frequency": 1,  "First\_name": "John",  "Last\_name": "Doe",  "Address1": "236 High Street",  "Address2": "London",  "Address3": null,  "Address4": null,  "Country": "United Kingdom",  "PostalOrZipCode": "SW13 8JX",  "Email": "john.doe@gmail.com",  "Phone": "020 1234 1234",  "GiftMessage": "Happy Birthday John!",  "ExternalId": "ABC123",  "ImportTime": "2020-02-29T09:30:23" } |

## 

## Example Response

|  |
| --- |
| {  "vendorId": "100",  "vendorHashKey": "4087636075F46662382A6D01B98942D996EDBCC8",  "vendorDomain": "sitename.com",  "statusCode": 200,  "importId": 115507,  "exception": null,  "isValid": true,  "errors": [] } |
|  |

### Example Error

|  |
| --- |
| {  "vendorId": "100",  "vendorHashKey": "4087636075F46662382A6D01B98942D996EDBCC8",  "vendorDomain": "sitename.com",  "statusCode": 0,  "importId": 0,  "exception": null,  "isValid": false,  "errors": [  {  "propertyName": "Renewal Id",  "errorMessage": "Publisher Webhook: Import 115508 does not exist or does not belong to vendor Example Vendor"  }  ] } |

# Appendix 1: Countries

For a list of countries that you can use you will want to call the countries endpoint on the API.

## Resource URL

<https://api.newsstand.co.uk/v1/country>

## Resource Information

|  |  |
| --- | --- |
| **Request formats** | None |
| **Request method** | GET |
| **Response formats** | JSON |
| **Requires authentication?** | No |

## Response

This request returns a JSON array of countries. The countries contain the following fields.

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| Name | string | Name of the country |
| ISO\_A2 | string | ISO 3166-1 Alpha-2 country code, if applicable |
| Zone | number | Represents the postage zone of the country:  0. United Kingdom  1. Europe  2. Rest of World  3. United States  5. United States |

### 

### Example Response

|  |
| --- |
| [  {  "name": "Afghanistan",  "zone": 2,  "postalSort": 6,  "isO\_A2": "AF",  "isDefault": false  },  {  "name": "Albania",  "zone": 2,  "postalSort": 2,  "isO\_A2": "AL",  "isDefault": false  },  {  "name": "Algeria",  "zone": 2,  "postalSort": 6,  "isO\_A2": "DZ",  "isDefault": false  } ] |