

**www.snapfulfil.com**

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Table of Contents

[Table of Contents 1](#_Toc41642132)

[Introduction 3](#_Toc41642133)

[Goods In 8](#_Toc41642134)

[Attachments 9](#_Toc41642135)

[Receipt 10](#_Toc41642136)

[Customer Returns 18](#_Toc41642137)

[Purchase Orders 26](#_Toc41642138)

[Serials Receipts 33](#_Toc41642139)

[Stock Consignment 36](#_Toc41642140)

[StU Consignment 37](#_Toc41642141)

[Open Receipt Summary 38](#_Toc41642142)

[Closed Receipt Summary 41](#_Toc41642143)

[Goods Out 44](#_Toc41642144)

[Attachments 45](#_Toc41642145)

[Shipment 46](#_Toc41642146)

[Load 58](#_Toc41642147)

[Sales Orders 63](#_Toc41642148)

[Special Conditions 74](#_Toc41642149)

[Special Condition Lines 77](#_Toc41642150)

[Serials Shipments 79](#_Toc41642151)

[Shipment Status 82](#_Toc41642152)

[Open Shipments Summary 84](#_Toc41642153)

[Closed Shipments Summary 86](#_Toc41642154)

[Despatch Stock 88](#_Toc41642155)

[Stock Consignment 92](#_Toc41642156)

[StU Consignment 96](#_Toc41642157)

[Customers & Suppliers 100](#_Toc41642158)

[Customers 101](#_Toc41642159)

[Suppliers 105](#_Toc41642160)

[Invoices 109](#_Toc41642161)

[Products & Inventory 113](#_Toc41642162)

[Attachments 114](#_Toc41642163)

[Products 117](#_Toc41642164)

[Product Configuration 121](#_Toc41642165)

[Product Alternates 124](#_Toc41642166)

[Kits 127](#_Toc41642167)

[StU 130](#_Toc41642168)

[Replenishments 133](#_Toc41642169)

[Serial Movements 136](#_Toc41642170)

[Stock Movements 139](#_Toc41642171)

[Stock Detail 143](#_Toc41642172)

[Stock Totals 146](#_Toc41642173)

[Stock Total Kit 149](#_Toc41642174)

[Interfacing 152](#_Toc41642175)

[Snap Inbound 153](#_Toc41642176)

[Snap Outbound 156](#_Toc41642177)

[Snap WebHook 159](#_Toc41642178)

[Administrative & Tasks 161](#_Toc41642179)

[Tasks 162](#_Toc41642180)

[Tasks Summary 167](#_Toc41642181)

[Tasks Receipt 169](#_Toc41642182)

[Tasks Shipment 176](#_Toc41642183)

[Snap Lookups 183](#_Toc41642184)

# Introduction

The SnapFulfil Web API enables access to the following SnapFulfil entities:

* Attachments
* Closed Receipt Summary
* Closed Shipment Summary
* Customer Returns
* Customers
* Despatch Stock
* Kits
* Open Receipt Summary
* Open Shipments Summary
* Product Alternates
* Product Configuration
* Products
* Purchase Orders
* Receipt
* Replenishments
* Sales Orders
* Serial Movements Summary
* Serials Receipt
* Serials Shipment
* Shipment
* Shipment Status
* Snap Inbound
* Snap Lookups
* Snap Outbound
* Special Condition Lines
* Special Conditions
* Stock Consignment
* Stock Detail
* Stock Movements
* STU
* STU Consignment
* Suppliers
* Tasks Receipt
* Tasks Shipment
* Tasks Summary

Documentation providing information on each entity, including URL schemes, available HTTP operations and data models is provided as part of this information pack.

The endpoints in this document have been grouped together for ease of reading.

Some of the example responses have been truncated for clarity. The full data model is documented at the end of each endpoint.

This document is intended for developers familiar with HTTP and RESTful APIs and therefore experience with RESTful API’s is assumed.

### Conventions used in this document

Endpoints are listed with an HTTP Method and a URL. Any text that is contained in double braces (e.g. **{{receiptid}}**) is a placeholder for your own values. The example calls are generated dynamically based on the language type selected at the top of the page. You can use the drop-down box to select your preferred language.

The document uses terminology that is commonplace within SnapFulfil (such as StU or StT). If you are unsure about any SnapFulfil terminology then please refer to the [SnapFulfil Help Centre](https://servicedesk.snapfulfil.net).

The SnapFulfil API is accessed using the following HTTP methods:

* **GET** Used for retrieving records from SnapFulfil
* **POST** Used for creating new records from SnapFulfil
* **PUT** Used for updating records from SnapFulfil
* **DELETE** Used for deleting records from SnapFulfil

Each endpoint details the methods available to it.

### Authentication and Security

Your SnapFulfil Implementation Team will provide you with two URLs to access the SnapFulfil API. One will provide access to a test environment, the other to your live SnapFulfil environment.

Each call made to the SnapFulfil API is made via HTTPS, encrypting all data sent to and received from the SnapFulfil servers using industry standard encryption. Any attempt to access the API via HTTP will result in a **HTTP 403 (Forbidden)** error message.

A unique user name and password must be presented with each call you make to the API using **Basic HTTP authentication**. In addition to securing your access to your SnapFulfil environment, your user account will also determine the language of the SnapFulfil Lookup values returned as part of your data.

### Content Negotiation

The SnapFulfil API supports both JSON and XML as valid data formats. When making GET calls, set the **Accept** and **Content-Type** HTTP header to either **application/json** or **application/xml** to request data to be returned in the appropriate format. If the server doesn’t recognise the format of your entity, it will return a **HTTP 400 (Bad Request)** error. Common errors include:

* Posting an array instead of an individual entity
* Malformed or invalid JSON/XML

For ease of reading, all examples in this document are in JSON.

### OData System Query Options

For many of the endpoints that return a list of entities, the URL can accept one or more OData System Query Options as part of the query string. Supported OData System Query Options are:

* $top
* $skip
* $orderby
* $filter

Examples of OData System Query Options can be found in the individual endpoint sections. Please see [“Invalid Characters and URL Encoding”](#invalid-characters-and-url-encoding) for details on encoding System Query Options.

### SnapFulfil Lookup codes

SnapFulfil validates certain values when they are interfaced into the system. This means that the correct code must be sent for these values. The applicable values are highlighted in the data models as ‘Snaplookup’ with the lookup code afterwards.

Snaplookup [**ORDTYPE**]

In order to ascertain the correct codes, you can use the [“Snap Lookups”](#snap-lookups) endpoint, passing the lookup code. This will return the possible values for that lookup code.

### Validation Error Reporting

When creating or updating entities, SnapFulfil will process the data according to definitions configured in SnapFulfil.

If any of the fields fail validation, an array of error messages will be returned to the API client. This will indicate the fields that failed, along with an error code. If a human readable version of the error code is required, you can use the **MESSAGE** Snaplookup code.

### Updates from SnapFulfil

SnapFulfil can be configured to produce updates at pre-defined events (e.g. Shipment is Despatched). To view these events, use the SnapOutbound endpoint.

### Date Formats

The SnapFulfil API requires dates to be sent in the following format:

YYYY-MM-DDTHH24:MI:SS

e.g. 2012-10-01T19:32:49

### Integers and Decimals.

Integers can be up to 18 characters in length.

Decimal values can be up to a total of 18 characters in length and up to 6 significant places.

### Invalid Characters and URL Encoding

There are a number of characters that must be encoded in any URL sent to the SnapFulfil API. The below table, whilst not exhaustive, details some of the more common reserved characters and the corresponding ASCII value.

|  |  |  |  |
| --- | --- | --- | --- |
| **Character** | **Encoded Character** | **Character** | **Encoded Character** |
| **Space** | %20 | **+** | %2B |
| **!** | %21 | **,** | %2C |
| **#** | %23 | **/** | %2F |
| **$** | %24 | **:** | %3A |
| **%** | %25 | **;** | %3B |
| **&** | %26 | **=** | %3D |
| **’** | %27 | **?** | %3F |
| **(** | %28 | **@** | %40 |
| **)** | %29 | **[** | %5B |
| **\** | %2A | **]** | %5D |

For some languages (such as CURL), URL-encoding **must** be used. Many REST clients (such as Insomnia or Postman) will take care of some URL encoding but not others. If in doubt, it is best to URL-encode all URLs.

For ease of reading, the examples in this document are **not** URL-encoded.

### Set up a SnapFulfil User for Web API access

API users are configured within SnapFulfil and must be set up with appropriate access to the API Host and for the Business (Biz). If your operation uses multiple Biz’s or multiple Stock Owners then you will need to ensure the API user only has access to the appropriate Biz.

To create a new API user, open the User screen in SnapFulfil and create a New User as normal on the Detail screen. On the Permissions tab, you will specify which Interface Host the user is assigned to (this should be the API Host, however it is possible for SnapFulfil to be configured with multiple API Hosts). It is on this screen that you will also specify which Biz or Biz’s the user has access to.

We recommend that different user accounts are created for API users, screen users and RF users.

#### Notes

* It is important to only select **one** interface organisation for the user.
* If your SnapFulfil system is setup with multiple hosts, you will need to create multiple API users.
* API users configured as above will not be able to log in to the SnapFulfil application or RF device.

### Snap Web API - Testing the API using a REST Client

To test the various end-points available in the SnapFulfil API, you can use a REST API client.

The SnapFulfil API has been tested using the Postman REST Client which is available from <https://www.getpostman.com/>.

#### Notes on using Postman

* Make sure that you select Basic Auth in the Authorization tab and enter your API username and password.
* Headers can be set on the Headers tab.
* When testing POST or PUT operations, place your XML or JSON payload in the Body tab.
* The results of any operations will be returned in the Response pane.

# Goods In

The Goods In endpoints are as follows:

* Attachments
* Receipts
* Customer Returns
* Purchase Orders
* Serials Receipts
* Stock Consignment
* StU Consignment
* Open Receipt Summary
* Closed Receipt Summary

## Attachments

Please see [“Products & Inventory | Attachments”](#attachments-2) for details on this endpoint.

## Receipt

The Receipt endpoint allows the user to create, update, view and delete Receipt information within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Receipt records

https://sistestapi.snapfulfil.net/api/receipts

#### GET a specific Receipt record

https://sistestapi.snapfulfil.net/api/receipts/{{receiptid}}

Example response:

"ReceiptId": "APIRECEIPT",  
 "BizId": "BIZ1",  
 "Stage": "00",  
 ...  
 "MaintInd": "W",  
 "ReceiptLines": [  
 {  
 "ReceiptId": "APIRECEIPT",  
 "Line": "K43MPVYGQT",  
 "Level": "00",  
 ...  
 "SpecialConditionInd": null,  
 "Stage": "00"  
 }  
 ],  
 "ReceiptAddresses": []  
}

#### POST a new Receipt

https://sistestapi.snapfulfil.net/api/receipts

#### PUT a Receipt record

https://sistestapi.snapfulfil.net/api/receipts/{{receiptid}}

#### DELETE a Receipt record

https://sistestapi.snapfulfil.net/api/receipts/{{receiptid}}

### System Query Options

The GET operation for the receipt listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 10 Receipt records

https://sistestapi.snapfulfil.net/api/receipts?$top=10

#### GET the top 10 Receipt records, ordered by SKU ID

https://sistestapi.snapfulfil.net/api/receipts?$top=10&orderby=SKUId

#### GET Receipt records where the Receipt ID starts with “10000”

https://sistestapi.snapfulfil.net/api/receipts?$filter=startswith(ReceiptId,'10000')

### Data Model

#### Receipt Header Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ReceiptId | Receipt ID | String | 20 | Yes |
| BizId |  | String | 15 |  |
| BizPurchaseOrder |  | String | 20 |  |
| Status | Snaplookup [**RECSTATUS**] – value ‘00’ | String | 2 |  |
| OrderType | Snaplookup [**ORDTYPE**] – value R01 | String | 3 |  |
| OrderClass | Snaplookup [**RECCLASS**] - STDREC | String | 10 |  |
| SupplierId | Supplier ID | String | 15 | Yes |
| BizSupplierId |  | String | 15 |  |
| SupplierGroup |  | String | 15 |  |
| SupplierName | Supplier Name | String | 50 |  |
| ShippingAddressId | ADD1 | String | 10 |  |
| InvoiceAddressId |  | String | 10 |  |
| Site | Site ID – ‘0001’ | String | 15 |  |
| Warehouse | Warehouse ID | String | 15 |  |
| OwnerId |  | String | 15 |  |
| StockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| PurchaseOrder |  | String | 15 |  |
| Prime |  | String | 20 |  |
| Priority | Snaplookup [**PRIORITY**] | String | 2 |  |
| SupplierRef |  | String | 20 |  |
| ConsignmentId |  | String | 20 |  |
| GRNNumber |  | String | 20 |  |
| ManifestNumber |  | String | 20 |  |
| POC |  | String | 20 |  |
| ShippingMethod | Snaplookup [**SHIPMETHOD**] | String | 10 |  |
| Region | Snaplookup [**REGION**] | String | 20 |  |
| CarrierId |  | String | 15 |  |
| CarrierTrackingNumber |  | String | 75 |  |
| Route |  | String | 20 |  |
| LoadId |  | String | 20 |  |
| LoadSequence |  | Decimal |  |  |
| ReceiptLane |  | String | 15 |  |
| ReturnReason | Snaplookup [**RECRETURN**] | String | 4 |  |
| QC | Snaplookup [**QCCODE**] | String | 3 |  |
| Lines |  | Decimal |  |  |
| LineQty |  | Decimal |  |  |
| StUQty | Pallet Quantity | Decimal |  |  |
| Volume |  | Decimal |  |  |
| Weight |  | Decimal |  |  |
| ActualWeight |  | Decimal |  |  |
| TaskCountNew |  | Decimal |  |  |
| TaskCountCurrent |  | Decimal |  |  |
| TaskCountActioned |  | Decimal |  |  |
| TimeToUnload |  | Decimal |  |  |
| TimeToInspect |  | Decimal |  |  |
| TimeToPutaway |  | Decimal |  |  |
| TimeOther |  | Decimal |  |  |
| TimeToCollect |  | Decimal |  |  |
| AcceptanceCode |  | String | 2 |  |
| Variance | Snaplookup [**VARIANCE**] | String | 1 |  |
| Supervisor |  | String | 15 |  |
| Reason |  | String | 4 |  |
| DateCreated |  | DateTime |  |  |
| DateSuspended |  | DateTime |  |  |
| DateClosed |  | DateTime |  |  |
| DateCollected |  | DateTime |  |  |
| DateDueIn |  | DateTime |  |  |
| DateArrival |  | DateTime |  |  |
| DateReceipt |  | DateTime |  |  |
| ASNInd |  | String | 1 |  |
| PaperworkInd |  | String | 1 |  |
| OverdueInd |  | String | 1 |  |
| Stage | Snaplookup [**SHIPSTAGE**] | String | 2 |  |
| MaintInd |  | String | 1 |  |
| ReceiptLines |  | Array of ReceiptLines |  |  |
| ReceiptAddresses | Populated if Addresses are defined against the Receipt, NULL if Supplier Addresses are used on your SnapFulfil system. | Array of ReceiptAddresses |  |  |

#### Receipt Line Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ReceiptId | Receipt ID | String | 20 | Yes |
| Line | Line ID | String | 10 | Yes |
| Level | Snaplookup [**RECLEVEL**] - used to indicate kit components | String | 2 |  |
| SKUId | Product Code | String | 30 | Yes |
| BizSKU |  | String | 30 | Yes |
| UnitOfMeasure | Snaplookup [**UNIT**] | String | 3 |  |
| LineOwner |  | String | 15 | Yes |
| LineStockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| QtyOrdered |  | Decimal |  |  |
| QtyAdvised |  | Decimal |  | Yes |
| QtyReceived |  | Decimal |  |  |
| QtyRejected |  | Decimal |  |  |
| QtyDueIn |  | Decimal |  |  |
| POLineId |  | Decimal |  |  |
| ReturnReason |  | String | 4 |  |
| QA | Snaplookup [**QACODE**] | String | 3 |  |
| Acceptance |  | String | 2 |  |
| Variance |  | String | 1 |  |
| BOInd |  | String | 1 |  |
| ConsignmentId |  | String | 20 |  |
| SiteId |  | String | 15 |  |
| Warehouse |  | String | 15 |  |
| BizId |  | String | 15 |  |
| OwnerId |  | String | 15 |  |
| StockStatus |  | String | 2 |  |
| DateReceipt |  | DateTime |  |  |
| AttachmentInd |  | String | 1 |  |
| SpecialConditionInd |  | String | 1 |  |
| Stage | Snaplookup [**RECLSTAGE**] | String | 2 |  |

#### Receipt Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value of REH | String | 3 | Yes |
| ReceiptId | Receipt ID | String | 15 |  |
| AddressId | Must match a value in the InvoiceAddressId or ShippingAddressId within the Receipt Header – ADD1 | String | 10 |  |
| Name | Customer Name to appear on Invoice Labels | String | 50 |  |
| Line1 | Address Line 1 | String | 50 |  |
| Line2 | Address Line 2 | String | 50 |  |
| Line3 | Address Line 3 | String | 50 |  |
| City | City | String | 30 |  |
| State |  | String | 30 |  |
| Postcode | Postcode | String | 20 |  |
| Country | A valid ISO 3166–1 alpha–2 Country Code | String | 2 | Yes |
| Region |  | String | 20 |  |
| Latitude |  | Decimal |  |  |
| Longitude |  | Decimal |  |  |

## Customer Returns

The Customers endpoint allows the user to create, update, view and delete Customer Returns information.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Customer Return records

https://sistestapi.snapfulfil.net/api/customerreturns

#### GET a specific Customer Returns record

https://sistestapi.snapfulfil.net/api/customerreturns/{{returnid}}

#### POST a new Customer Return

https://sistestapi.snapfulfil.net/api/customerreturns

#### PUT a Customer Return record

https://sistestapi.snapfulfil.net/api/customerreturns/{{returnid}}

#### DELETE a Customer Return record

https://sistestapi.snapfulfil.net/api/customerreturns/{{returnid}}

### System Query Options

The GET operation for the receipt listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 10 Customer Return records

https://sistestapi.snapfulfil.net/api/customerreturns?$top=10

#### GET the top 5 Customer Return records, ordered by OrderClass

{{Host}}/api/customerreturns?$top=5&orderby=OrderClass

#### GET Customer Returns records where the OrderClass value starts with “STD”

https://sistestapi.snapfulfil.net/api/customerreturns?$filter=startswith(OrderClass,%20'STD')

### Data Model

#### Customer Returns Header Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ReceiptId | Receipt ID | String | 20 | Yes |
| BizId |  | String | 15 |  |
| BizPurchaseOrder |  | String | 20 |  |
| Status | Snaplookup [**RECSTATUS**] – value ‘00’ | String | 2 |  |
| OrderType | Snaplookup [**ORDTYPE**] – value R01 | String | 3 |  |
| OrderClass | Snaplookup [**RECCLASS**] - STDREC | String | 10 |  |
| SupplierId | Supplier ID | String | 15 | Yes |
| BizSupplierId |  | String | 15 |  |
| SupplierGroup |  | String | 15 |  |
| SupplierName | Supplier Name | String | 50 |  |
| ShippingAddressId | ADD1 | String | 10 |  |
| InvoiceAddressId |  | String | 10 |  |
| Site | Site ID – ‘0001’ | String | 15 |  |
| Warehouse | Warehouse ID | String | 15 |  |
| OwnerId |  | String | 15 |  |
| StockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| PurchaseOrder |  | String | 15 |  |
| Prime |  | String | 20 |  |
| Priority | Snaplookup [**PRIORITY**] | String | 2 |  |
| SupplierRef |  | String | 20 |  |
| ConsignmentId |  | String | 20 |  |
| GRNNumber |  | String | 20 |  |
| ManifestNumber |  | String | 20 |  |
| POC |  | String | 20 |  |
| ShippingMethod | Snaplookup [**SHIPMETHOD**] | String | 10 |  |
| Region | Snaplookup [**REGION**] | String | 20 |  |
| CarrierId |  | String | 15 |  |
| CarrierTrackingNumber |  | String | 75 |  |
| Route |  | String | 20 |  |
| LoadId |  | String | 20 |  |
| LoadSequence |  | Decimal | 18 |  |
| ReceiptLane |  | String | 15 |  |
| ReturnReason | Snaplookup [**RECRETURN**] | String | 4 |  |
| QA | Snaplookup [**QACODE**] | String | 3 |  |
| Lines |  | Decimal | 18 |  |
| LineQty |  | Decimal | 18 |  |
| StUQty | Pallet Quantity | Decimal | 18 |  |
| Volume |  | Decimal | 18 |  |
| Weight |  | Decimal | 18 |  |
| ActualWeight |  | Decimal | 18 |  |
| TaskCountNew |  | Decimal | 18 |  |
| TaskCountCurrent |  | Decimal | 18 |  |
| TaskCountActioned |  | Decimal | 18 |  |
| TimeToUnload |  | Decimal | 18 |  |
| TimeToInspect |  | Decimal | 18 |  |
| TimeToPutaway |  | Decimal | 18 |  |
| TimeOther |  | Decimal | 18 |  |
| TimeToCollect |  | Decimal | 18 |  |
| AcceptanceCode |  | String | 2 |  |
| Variance | Snaplookup [**VARIANCE**] | String | 1 |  |
| Supervisor |  | String | 15 |  |
| Reason |  | String | 4 |  |
| DateCreated |  | DateTime |  |  |
| DateSuspended |  | DateTime |  |  |
| DateClosed |  | DateTime |  |  |
| DateCollected |  | DateTime |  |  |
| DateDueIn |  | DateTime |  |  |
| DateArrival |  | DateTime |  |  |
| DateReceipt |  | DateTime |  |  |
| ASNInd |  | String | 1 |  |
| PaperworkInd |  | String | 1 |  |
| OverdueInd |  | String | 1 |  |
| Stage | Snaplookup [**SHIPSTAGE**] | String | 2 |  |
| MaintInd |  | String | 1 |  |
| ReceiptLines |  | Array of ReceiptLines |  |  |
| ReceiptAddresses | Populated if Addresses are defined against the Receipt, null if Customer Addresses are used on your SnapFulfil system | Array of ReceiptAddresses |  |  |

#### Customer Returns Line Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Detail | Datatype | Length | Mandatory |
| ReceiptId | Receipt ID | String | 20 | Yes |
| Line | Line ID | String | 10 | Yes |
| Level |  | String | 2 |  |
| SKUId | Product Code | String | 30 | Yes |
| BizSKU |  | String | 30 | Yes |
| UnitOfMeasure | Snaplookup [**UNIT**] – EA – Each | String | 3 |  |
| LineOwner |  | String | 15 | Yes |
| LineStockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| QtyOrdered |  | Decimal |  |  |
| QtyAdvised |  | Decimal |  | Yes |
| QtyReceived |  | Decimal |  |  |
| QtyRejected |  | Decimal |  |  |
| QtyDueIn |  | Decimal |  |  |
| POLineId |  | Decimal |  |  |
| ReturnReason |  | String | 4 |  |
| QA | Snaplookup [**QACODE**] | String | 3 |  |
| Acceptance |  | String | 2 |  |
| Variance |  | String | 1 |  |
| BOInd |  | String | 1 |  |
| ConsignmentId |  | String | 20 |  |
| SiteId |  | String | 15 |  |
| Warehouse |  | String | 15 |  |
| BizId |  | String | 15 |  |
| OwnerId |  | String | 15 |  |
| StockStatus |  | String | 2 |  |
| DateReceipt |  | DateTime |  |  |
| AttachmentInd |  | String | 1 |  |
| SpecialConditionInd |  | String | 1 |  |
| Stage | Snaplookup [**RECLSTAGE**] | String | 2 |  |

#### Customer Returns Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Detail | Datatype | Length | Mandatory |
| Table | Fixed value of REH | String | 4 | Yes |
| ReceiptId | Receipt ID | String | 20 |  |
| AddressId | Must match a value in the InvoiceAddressId or ShippingAddressId within the Receipt Header – ADD1 | String | 10 |  |
| Name | Customer Name to appear on Invoice Labels | String | 50 |  |
| Line1 | Address Line 1 | String | 50 |  |
| Line2 | Address Line 2 | String | 50 |  |
| Line3 | Address Line 3 | String | 50 |  |
| City | City | String | 30 |  |
| State |  | String | 30 |  |
| Postcode | Postcode | String | 20 |  |
| Country | A valid ISO 3166–1 alpha–2 country code | String | 2 | Yes |
| Region |  | String | 20 |  |
| Latitude |  | Decimal |  |  |
| Longitude |  | Decimal |  |  |

## Purchase Orders

The Purchase Orders endpoint allows the user to create, update, view and delete Purchase Orders within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Purchase Order records

https://sistestapi.snapfulfil.net/api/purchaseorders

#### GET a specific Purchase Order record

https://sistestapi.snapfulfil.net/api/purchaseorders/{{purchaseorderid}}

#### POST a new Purchase Order record

https://sistestapi.snapfulfil.net/api/purchaseorders

#### PUT a Purchase Order record

{{Host}}/api/purchaseorders/{{purchaseorderid}}

#### DELETE a Purchase Order record

https://sistestapi.snapfulfil.net/api/purchaseorders/{{purchaseorderid}}

### System Query Options

The GET operation for the Purchase Order listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 10 Purchase Order records

https://sistestapi.snapfulfil.net/api/purchaseorders?$top=10

#### GET the top 10 Purchase Order records, ordered by OrderClass

https://sistestapi.snapfulfil.net/api/purchaseorders?$top=10&orderby=OrderClass

#### GET Purchase Orders records starting with “TWL”

https://sistestapi.snapfulfil.net/api/purchaseorders?$filter=startswith(PurchaseOrderId,%20’TWL’)

### Data Model

#### Purchase Orders Header Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| PurchaseOrderId | Purchase Order ID | String | 15 | Yes |
| BizId | ID of the Business Value | String | 15 | Yes |
| BizPurchaseOrder | Unutilized field – Can leave blank | String | 20 |  |
| Status | Snaplookup [**POSTATUS**] – value ‘00’ | String | 2 |  |
| OrderType | Snaplookup [**ORDTYPE**] – value R01 | String | 3 |  |
| OrderClass | Snaplookup [**RECCLASS**] - STDREC | String | 10 |  |
| SupplierId | Supplier ID | String | 15 | Yes |
| BizSupplierId | Unutilized field currently. Can be left blank | String | 15 |  |
| SupplierGroup | Supplier Group | String | 15 |  |
| SupplierName | Supplier Name | String | 50 |  |
| ShippingAddressId | ADD1 | String | 10 |  |
| InvoiceAddressId | INV1 | String | 10 |  |
| DateReceipt |  | Date Time |  |  |
| Site | Site ID – ‘0001’ | String | 15 |  |
| Warehouse | Warehouse ID | String | 15 |  |
| OwnerId | Stock Owner | String | 15 |  |
| StockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| Priority | Snaplookup [**PRIORITY**] | String | 2 |  |
| Supplier Order |  |  |  |  |
| SupplierRef | Supplier Reference | String | 20 |  |
| ShippingMethod | Snaplookup [**SHIPMETHOD**] | String | 10 |  |
| Region | Snaplookup [**REGION**] | String | 20 |  |
| DC |  |  |  |  |
| Store |  |  |  |  |
| CarrierId | Carrier | String | 15 |  |
| CarrierScac |  |  |  |  |
| Route | Route field | String | 20 |  |
| ReturnReason | Snaplookup [**RECRETURN**] | String | 4 |  |
| QA | Snaplookup \*\*[QACODE\*\*] | String | 3 |  |
| Lines | Lines against the Purchase Order | Decimal | 18 |  |
| LineQty | Quantity of all Lines on the Purchase Order | Decimal | 18 |  |
| Volume | Volume of all products and StUs on the Purchase Order | Decimal | 18 |  |
| Weight | Weight of the Order | Decimal | 18 |  |
| Acceptance | Acceptance Code | String | 2 |  |
| Variance | Snaplookup [**VARIANCE**] | String | 1 |  |
| Supervisor | Supervisor Intervention | String | 15 |  |
| Reason | Reason Code | String | 4 |  |
| DateCreated |  | DateTime |  |  |
| DateSuspended |  | DateTime |  |  |
| DateClosed |  | DateTime |  |  |
| Stage | Snaplookup [**RECSTAGE**] | String | 2 |  |
| MaintInd | Maintained Indicator: **W** = Warehouse Maintained **H** = Host Maintained | String | 1 |  |
| POLines | Array of ReceiptLines |  |  |  |
| Addresses | Array of ReceiptAddresses |  |  |  |

#### Purchase Orders Line Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Detail | Datatype | Length | Mandatory |
| PurchaseOrderId | Purchase Order ID | String | 15 | Yes |
| Line | Line ID | String | 10 | Yes |
| Level |  | String | 2 |  |
| SKUId | Product Code | String | 30 |  |
| BizSKU |  | String | 30 |  |
| SupplierSKU |  |  |  |  |
| UPC |  |  |  | Yes |
| UPCDescription |  |  |  |  |
| Category |  |  |  |  |
| UnitOfMeasure | Snaplookup [**UNIT**] – EA – Each | String | 3 |  |
| LineSite |  | String | 15 |  |
| LineWarehouse |  | String | 15 |  |
| LineOwner |  | String | 15 |  |
| LineStockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| QtyOrdered |  | Decimal |  |  |
| QtyReceived |  | Decimal |  |  |
| QtyOrderIn |  | Decimal |  |  |
| QtyDueIn |  | Decimal |  |  |
| QtySpawn |  | Decimal |  |  |
| POLineId |  | Decimal |  |  |
| ReturnReason |  | String | 4 |  |
| QA | Snaplookup [**QACODE**] | String | 3 |  |
| LineDateReceipt |  |  |  |  |
| ShipAddress |  |  |  |  |
| Acceptance |  | String | 2 |  |
| Variance |  | String | 1 |  |
| Site |  |  | 15 |  |
| Warehouse |  |  | 15 |  |
| BizId |  | String | 15 |  |
| Owner |  | String | 15 |  |
| StockStatus |  | String | 2 |  |
| DateReceipt |  | DateTime |  |  |
| AttachmentInd |  | String | 1 |  |
| SpecialConditionInd |  | String | 1 |  |
| Stage | Snaplookup [**RECLSTAGE**] | String | 2 |  |

#### Purchase Order Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Detail | Datatype | Length | Mandatory |
| Table | Fixed value of POH | String | 3 | Yes |
| AddressId | Must match a value in the InvoiceAddressId or ShippingAddressId within the Receipt Header – ADD1 | String | 10 |  |
| Name | Customer Name to appear on Invoice labels | String | 50 |  |
| Line1 | Address Line 1 | String | 50 |  |
| Line2 | Address Line 2 | String | 50 |  |
| Line3 | Address Line 3 | String | 50 |  |
| City | City | String | 30 |  |
| State |  | String | 30 |  |
| Postcode | Postcode | String | 20 |  |
| Country | A valid ISO 3166–1 alpha–2 Country Code | String | 2 | Yes |
| Region |  | String | 20 |  |
| Latitude |  | Decimal |  |  |
| Longitude |  | Decimal |  |  |

## Serials Receipts

The Serials Receipts endpoint allows the user to create, update, view and delete Serials Receipts within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Serials Receipts records

https://sistestapi.snapfulfil.net/api/serialsreceipt

#### GET a specific Serials Receipts record

https://sistestapi.snapfulfil.net/api/serialsreceipt/{{serialreceiptid}}

#### POST a new Serials Receipts record

https://sistestapi.snapfulfil.net/api/serialsreceipt

#### PUT a Serials Receipt record

https://sistestapi.snapfulfil.net/api/serialsreceipt/{{serialreceiptid}}

#### DELETE a Serials Receipt record

https://sistestapi.snapfulfil.net/api/serialsreceipt/{{serialreceiptid}}

### Data Model

#### Serials Receipt Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SerialKey | Internal ID For the Serial | String | 10 |  |
| SerialValues |  | String | 250 |  |
| SerialNumber | Serial Number | String | 50 |  |
| SKUId | Product ID | String | 30 |  |
| State | State | String | 1 |  |
| Site | Site | String | 15 |  |
| Facility | Warehouse | String | 15 |  |
| ReceiptType | Receipt Type | String | 5 |  |
| ReceiptId | ID of Receipt | String | 20 |  |
| ReceiptStU | StU the Serial was received on | String | 20 |  |
| ReceiptStatus | Receipt Status | String | 2 |  |
| ReceiptBizId | Receipt Biz | String | 15 |  |
| ReceiptOwnerId | Receipt Owner | String | 15 |  |
| ReceivingOperator | Operator who received the Serial | String | 10 |  |
| ReceiptDate | Date the Serial was received on | DateTime |  |  |
| ShipmentType | Type of Shipment / Movement | String | 5 |  |
| ShipmentId | Shipment ID or Task ID | String | 20 |  |
| ShipmentStU | StU the Serial was shipped on | String | 20 |  |
| ShipmentStatus | Status of Shipment | String | 2 |  |
| ShipmentBizId | Biz of the Shipment | String | 15 |  |
| ShipmentOwnerId | Owner of the Shipment | String | 15 |  |
| ShippingOperator | Operator who shipped the Serial | String | 10 |  |
| ShipDate | Date the Serial was shipped | DateTime |  |  |
| SerialStage | Stage of the Serial | String | 2 |  |

## Stock Consignment

Please see [“Goods Out | Stock Consignment”](#stock-consignment-1) for details on this endpoint.

## StU Consignment

Please see [“Goods Out | StU Consignment”](#stu-consignment-1) for details on this endpoint.

## Open Receipt Summary

The Open Receipt Summary endpoint is used to accessing information on Receipts that are open, providing a high-level view of Receipt information.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Open Receipts records

https://sistestapi.snapfulfil.net/api/openreceiptssummary

#### GET a specific Open Receipt record

https://sistestapi.snapfulfil.net/api/openreceiptssummary/{{receiptid}}

#### GET all Open Receipts by Site ID

https://sistestapi.snapfulfil.net/api/openreceiptssummary/{{siteid}}

Example response:

"ReceiptId": "APIRECEIPT",  
 "BizId": "BIZ1",  
 "Stage": "00",  
 ...  
 "MaintInd": "W",  
 "ReceiptLines": [  
 {  
 "ReceiptId": "APIRECEIPT",  
 "Line": "K43MPVYGQT",  
 "Level": "00",  
 ...  
 "SpecialConditionInd": null,  
 "Stage": "00"  
 }  
 ],  
 "ReceiptAddresses": []  
}

### System Query Options

The GET operation for the Open Receipt listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET a summary of all Open Receipts, ordered by Count

https://sistestapi.snapfulfil.net/api/openreceiptssummary?$orderby=Count

#### GET the top 5 Open Receipt summary records

https://sistestapi.snapfulfil.net/api/openreceiptssummary?$top=5

### Data Model

#### Open Receipt Summary Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Owner | Owner ID against the Receipt | String | 15 |  |
| Site | Site against the receipt (Typically 0001 for single site customers) | String | 15 |  |
| Whs | Warehouse ID against the Receipt | String | 15 |  |
| Stage | Stage of the Receipts | String | 2 |  |
| Status | Status of the Receipts | String | 2 |  |
| OrderType | Type of Receipt – determines which screen the receipt will appear under. Usually hard coded | String | 3 |  |
| OrderClass | The Class of the Receipt (customer dependant) | String | 10 |  |
| TotalCount | Total number of Receipts meeting the criteria | Integer | 18 |  |

## Closed Receipt Summary

The Closed Receipt Summary endpoint is used to access information on Receipts that are closed, providing a high-level view of Receipt information.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Closed Receipts

https://sistestapi.snapfulfil.net/api/closedreceiptssummary

#### GET a specific Closed Receipt

https://sistestapi.snapfulfil.net/api/closedreceiptssummary/{{receiptid}}

Example response:

"ReceiptId": "APIRECEIPT",  
 "BizId": "BIZ1",  
 "Stage": "00",  
 ...  
 "MaintInd": "W",  
 "ReceiptLines": [  
 {  
 "ReceiptId": "APIRECEIPT",  
 "Line": "K43MPVYGQT",  
 "Level": "00",  
 ...  
 "SpecialConditionInd": null,  
 "Stage": "00"  
 }  
 ],  
 "ReceiptAddresses": []  
}

#### GET all closed Receipts by Site ID

https://sistestapi.snapfulfil.net/api/closedreceiptssummary/{{siteid}}

Example Response

"ReceiptId": "APIRECEIPT",  
 "BizId": "BIZ1",  
 "Stage": "00",  
 ...  
 "MaintInd": "W",  
 "ReceiptLines": [  
 {  
 "ReceiptId": "APIRECEIPT",  
 "Line": "K43MPVYGQT",  
 "Level": "00",  
 ...  
 "SpecialConditionInd": null,  
 "Stage": "00"  
 }  
 ],  
 "ReceiptAddresses": []  
}

#### GET a summary of Closed Receipts from a specific site closed on a specific day

https://sistestapi.snapfulfil.net/api/closedreceiptssummary/{{siteid}}/{{date}}

### System Query Options

The GET operation for the Closed Receipt listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET a summary of all Closed Receipts, ordered by Count

https://sistestapi.snapfulfil.net/api/closedreceiptssummary?$orderby=Count

#### GET the top 5 Closed Receipt summary records

https://sistestapi.snapfulfil.net/api/closedreceiptssummary?$top=5

### Data Model

#### Closed Receipt Summary Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Owner | Owner ID against the Receipt | String | 15 |  |
| Site | Site against the Receipt | String | 15 |  |
| Whs | Warehouse ID against the Receipt | String | 15 |  |
| Stage | Stage of the Receipts | String | 2 |  |
| Status | Status of the Receipts | String | 2 |  |
| OrderType | Type of Receipt – determines which screen the receipt will appear under - Usually hard coded | String | 3 |  |
| OrderClass | The Class of the Receipt (customer dependant) | String | 10 |  |
| TotalCount | Total number of receipts meeting the criteria | Integer | 18 |  |

# Goods Out

The Goods Out endpoints are as follows:

* Attachments
* Shipment
* Load
* Sales Order
* Special Conditions
* Special Condition Lines
* Serials Shipments
* Shipment Status
* Open Shipments Summary
* Closed Shipments Summary
* Despatch Stock
* Stock Consignment
* StU Consignment

## Attachments

Please see [“Products & Inventory | Attachments”](#attachments-2) for details on this endpoint.

## Shipment

The Shipment endpoint allows the user to create, update, view and delete Shipments within SnapFulfil. It is important that the Shipment information is confirmed where possible before it is submitted. Once a Shipment has passed stage Due Out (stage 00), certain data (such as Shipment Line data) cannot be amended without cancelling the Shipment and resubmitting it under a new ID. SnapFulfil does permit Shipment Header fields to be amended after a Shipment has passed stage Due Out. Common uses of this functionality are:

* Updating the carrier tracking number outside of an integrated service.
* Updating the customer reference fields.
* Updating the status (for example: Cancelled, Credit Hold, Suspend).

To update the Shipment Header data, a PUT should be used. For a full list of editable fields after Due Out, please refer to the Shipment Header Data Model.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Shipments

https://sistestapi.snapfulfil.net/api/shipments

#### GET a specific Shipment record

https://sistestapi.snapfulfil.net/api/shipments/{{shipmentid}}

Example response:

{  
 "ShipmentId": "APISHIPMENT",  
 "BizId": "BIZ1",  
 "Stage": "90",  
 ...  
 "MaintInd": "H",  
 "ShipmentLines": [  
 {  
 "ShipmentId": "APISHIPMENT",  
 "Line": "JHTM3MC990",  
 "Level": "00",  
 ...  
 "SpecialConditionInd": "0",  
 "Stage": "90"  
 }   
 ],  
 "ShipAddress": [  
 {  
 "Table": "SHH",  
 "ShipmentId": "APISHIPMENT",  
 "AddressId": "HOME",  
 ...  
 "Longitude": 0.000000  
 }  
 ],  
 "ShipContacts": [  
 {  
 "Table": "SHH",  
 "ShipmentId": "APISHIPMENT",  
 "LineId": "1",  
 ...  
 "Language": null  
 }  
 ],  
 "ShipmentDespatch": [  
 {  
 "ShipmentId": "APISHIPMENT",  
 "Type": "OS",  
 "Stu": "STU1",  
 ...  
 "ManifestInd": null  
 }  
 ]  
}

#### POST a new Shipment record

https://sistestapi.snapfulfil.net/api/shipments

#### PUT a Shipment record

https://sistestapi.snapfulfil.net/api/shipments/{{shipmentid}}

#### DELETE a Shipment record

https://sistestapi.snapfulfil.net/api/shipments/{{shipmentid}}

### System Query Options

The GET operation for the Shipment listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Shipment records

https://sistestapi.snapfulfil.net/api/shipments?$top=5

#### GET the top 5 Shipment records, ordered by SKUId

https://sistestapi.snapfulfil.net/api/shipments?$top=5&orderby=SKUId

#### GET Shipments starting with “10000”

https://sistestapi.snapfulfil.net/api/shipments?$filter=startswith(ShipmentId,%20'10000')

### Data Model

#### Shipment Header Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| ShipmentValues | Field for additional Shipment values | String | 250 |  |
| BizId | See Stock Owner table below | String | 15 |  |
| BizSalesOrder |  | String | 20 |  |
| Status | Snaplookup [**SHIPSTATUS**] – value ‘00’ | String | 2 |  |
| OrderType | Snaplookup [**ORDTYPE**] – value S01 | String | 3 |  |
| OrderClass | Snaplookup [**SHIPCLASS**] - CUSORD | String | 10 |  |
| CustomerId | Customer ID | String | 15 | Yes |
| BizCustomerId |  | String | 15 |  |
| CustomerGroup |  | String | 15 |  |
| CustomerName | Customer Name | String | 50 |  |
| ShippingAddressId | ADD1 | String | 10 |  |
| InvoiceAddressId |  | String | 10 |  |
| Site | Site ID – ‘0001’ | String | 15 |  |
| Warehouse | Warehouse ID – ‘WAREHOUSE1’ | String | 15 |  |
| OwnerId | See Stock Owner table below | String | 15 |  |
| StockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| SalesOrder |  | String | 20 |  |
| Prime |  | String | 20 |  |
| PriorityAllocation | Snaplookup [**PRIORITY**] | String | 2 |  |
| PriorityDespatch | Snaplookup [**PRIORITY**] | String | 2 |  |
| CustomerRef |  | String | 20 |  |
| ConsignmentId |  | String | 20 |  |
| PickGroupId |  | String | 20 |  |
| ASNNumber |  | String | 20 |  |
| DNoteNumber |  | String | 20 |  |
| InvoiceNumber |  | String | 20 |  |
| ManifestNumber |  | String | 20 |  |
| BOL |  |  | 50 |  |
| MasterBOL |  |  | 50 |  |
| POD |  | String | 20 |  |
| ShippingMethod | Snaplookup [**SHIPMETHOD**] | String | 10 |  |
| Region | Snaplookup [**REGION**] | String | 20 |  |
| DC |  |  | 30 |  |
| Store |  |  | 30 |  |
| CarrierId |  |  | 1 |  |
| CarrierScac |  |  | 15 |  |
| CarrierTrackingNumber |  |  | 4 |  |
| Route |  |  |  |  |
| LoadId |  |  |  |  |
| LoadSequence |  |  |  |  |
| PackStation |  |  |  |  |
| ShippingLane |  |  |  |  |
| ReturnReason | Snaplookup [**SHIPRETURN**] |  |  |  |
| QC | Snaplookup [**QCCODE**] |  |  |  |
| Lines |  |  | 1 |  |
| LineQty |  |  | 1 |  |
| StUQty |  | Pallet Quantity | 2 |  |
| Volume |  |  | 1 |  |
| Weight |  |  |  |  |
| ActualWeight |  |  |  |  |
| TaskCountNew |  |  |  |  |
| TaskCountCurrent |  |  |  |  |
| TaskCountActioned |  |  |  |  |
| TimeToPick |  |  |  |  |
| TimeToPack |  |  |  |  |
| TimeToCheck |  |  |  |  |
| TimeToLoad |  |  |  |  |
| TimeOther |  |  |  |  |
| TimeToDeliver |  |  |  |  |
| InvoiceInd |  |  |  |  |
| Currency | Snaplookup [**CURRENCY**] |  |  |  |
| LineValue |  |  |  |  |
| Discount |  |  |  |  |
| Packing |  |  |  |  |
| Freight |  |  |  |  |
| Insurance |  |  |  |  |
| Charges |  |  |  |  |
| Allowances |  |  |  |  |
| Tax |  |  |  |  |
| InvoiceValue |  |  |  |  |
| ShortageCode |  |  |  |  |
| Variance |  |  |  |  |
| CutOffInd |  | String |  |  |
| Supervisor |  | String |  |  |
| Reason |  | String |  |  |
| DateCreated |  | DateTime |  |  |
| DateSuspended |  | DateTime |  |  |
| DateClosed |  | DateTime |  |  |
| DateDueOut |  | DateTime |  |  |
| DateShipment |  | DateTime |  |  |
| DateDelivery |  | DateTime |  |  |
| DateInvoice |  | DateTime |  |  |
| ASNInd |  | String |  |  |
| OverdueInd |  | String |  |  |
| Stage | Snaplookup [**SHIPSTAGE**] | String |  |  |
| MaintInd |  | String |  |  |
| ShipmentLines | 0..n | Array of ShipmentLines |  |  |
| ShipAddress | 0..2 | Array of ShipmentAddresses |  |  |
| ShipContacts | 0..n | Array of ShipmentContacts |  |  |

#### Shipment Line Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| Line | Line ID | String | 10 |  |
| ShipmentLineValues | Additional Shipment Line Values | String | 10 |  |
| Level |  | String | 2 |  |
| SKUId | Product Code | String | 30 | Yes |
| BizSKU |  | String | 30 |  |
| CustomerSKU |  |  | 30 |  |
| UPC |  |  | 30 |  |
| UPCDescription |  |  | 100 |  |
| Category |  |  | 15 |  |
| UnitOfMeasure | Snaplookup [**UNIT**] – EA – Each | String | 3 | Yes |
| LineOwner |  | String | 15 |  |
| LineStockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| QtyOrdered |  | Decimal |  | Yes |
| QtyRequired |  | Decimal |  |  |
| QtyAllocated |  | Decimal |  |  |
| QtyTasked |  | Decimal |  |  |
| QtyPicked |  | Decimal |  |  |
| QtyShipped |  | Decimal |  |  |
| QtyDelivered |  | Decimal |  |  |
| QtyDueOut |  | Decimal |  |  |
| Price |  | Decimal |  |  |
| Discount |  | Decimal |  |  |
| TaxRate |  | Decimal |  |  |
| SOLineId |  | Decimal |  |  |
| ReturnReason |  | String | 4 |  |
| QC | Snaplookup [**QCCODE**] | String | 3 |  |
| Shortage |  | String | 2 |  |
| Variance |  | String | 1 |  |
| BOInd |  | String | 1 |  |
| ConsignmentId |  | String | 20 |  |
| PickGroupId |  | String | 20 |  |
| SiteId |  | String | 15 |  |
| Warehouse |  | String | 15 |  |
| BizId |  | String | 15 |  |
| OwnerId |  | String | 15 |  |
| StockStatus |  | String | 2 |  |
| DateShipment |  | DateTime |  |  |
| AttachmentInd |  | String | 1 |  |
| SpecialConditionInd |  | String | 1 |  |
| Stage | Snaplookup [**SHIPLSTAGE**] | String | 2 |  |

#### Shipment Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value of SHH | String | 4 | Yes |
| ShipmentId | Shipment ID | String | 30 |  |
| AddressId | Must match a value in the InvoiceAddressId or ShippingAddressId within the Shipment Header – ADD1 | String | 10 |  |
| Name | Customer Name to appear on Despatch labels | String | 50 |  |
| Line1 | Address Line 1 | String | 50 |  |
| Line2 | Address Line 2 | String | 50 |  |
| Line3 | Address Line 3 | String | 50 |  |
| City | City | String | 30 |  |
| State |  | String | 30 |  |
| Postcode | Postcode | String | 20 |  |
| Country | A valid ISO 3166–1 alpha–2 Country Code | String | 10 | Yes |
| Region |  | String | 20 |  |
| Latitude |  | Decimal | 18 |  |
| Longitude |  | Decimal | 18 |  |

#### Shipment Contact Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value of SHH | String | 5 | Yes |
| ShipmentId | Shipment ID | String | 30 | Yes |
| LineId | Line ID | String | 10 | Yes |
| Title |  | String | 10 |  |
| FirstName |  | String | 30 |  |
| LastName |  | String | 30 |  |
| Salutation |  | String | 30 |  |
| Position |  | String | 20 |  |
| Email |  | String | 50 |  |
| Fax |  | String | 20 |  |
| Phone |  | String | 20 |  |
| Mobile |  | String | 20 |  |
| Pager |  | String | 20 |  |
| Language |  | String | 10 |  |

#### Shipment Despatch Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| Type |  | String | 3 | Yes |
| Stu | Pallet Type | String | 20 | Yes |
| Carrier |  | String | 15 |  |
| ShipMethod |  | String | 10 |  |
| CarrierTrack |  | String | 75 |  |
| CarrierRef1 |  | String | 75 |  |
| CarrierRef2 |  | String | 75 |  |
| CarrierRef3 |  | String | 75 |  |
| CarrierRef4 |  | String | 75 |  |
| Freight |  | Decimal |  |  |
| DateShipment |  | DateTime |  |  |
| ManifestInd |  | String | 1 |  |

## Load

The Load endpoint allows the user to create, update, view and delete Load information within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Load records

https://sistestapi.snapfulfil.net/api/load

#### GET a specific Load record

https://sistestapi.snapfulfil.net/api/load/{{loadid}}

Example response:

{  
 "Type": "OL",  
 "Site": "0001",  
 "LoadID": "120-SM-SM-SM-5",  
 "Status": "00",  
 "ShipMethod": "TEST",  
 "Route": "TEST",  
 "Details": "SMM API TEST",  
 "WHS": "AASITE0001",  
 ...  
}

#### POST a new Load record

https://sistestapi.snapfulfil.net/api/load

#### PUT a Load record

https://sistestapi.snapfulfil.net/api/load/{{loadid}}

#### DELETE a Load record

https://sistestapi.snapfulfil.net/api/load/{{loadid}}

### System Query Options

The GET operation for the receipt listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Load records

https://sistestapi.snapfulfil.net/api/load?$top=5

#### GET the top 5 Load records, ordered by LoadID

https://sistestapi.snapfulfil.net/api/load?$top=5&orderby=LoadID

#### GET Loads where the LoadID starts with “12”

https://sistestapi.snapfulfil.net/api/load?$filter=startswith(LoadID,'12')

### Data Model

#### Vehicle Load Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| LOD\_SITE | SiteId |  | varchar | Yes |
| LOD\_TYPE | Type |  | varchar |  |
| LOD\_LOAD | LoadId |  | varchar |  |
| LOD\_VALUES | Values |  | varchar |  |
| LOD\_STATUS | Status |  | varchar |  |
| LOD\_SHIPMETHOD | ShipMethod |  | varchar |  |
| LOD\_ROUTE | Route |  | varchar | Yes |
| LOD\_DETAILS | Details |  | varchar |  |
| LOD\_WHS | Warehouse |  | varchar |  |
| LOD\_DOCK | Dock |  | varchar |  |
| LOD\_LANE | Lane |  | varchar |  |
| LOD\_BOOKINGREF | BookingRef |  | varchar |  |
| LOD\_CARRIER | CarrierId |  | varchar |  |
| LOD\_ACTCARRIER | ActCarrierId |  | varchar |  |
| LOD\_CARRIERREF | CarrierRef |  | varchar |  |
| LOD\_DRIVER | Driver |  | varchar |  |
| LOD\_TRACTOR | TractorId |  | varchar |  |
| LOD\_TRACTORTYPE | TractorType |  | varchar |  |
| LOD\_TRAILER | TrailerId |  | varchar |  |
| LOD\_TRAILERTYPE | TrailerType |  | varchar |  |
| LOD\_CONTAINER | ContainerId |  | varchar |  |
| LOD\_BOL | Bol |  | varchar | 20 |
| LOD\_DURATION | Duration |  | numeric | 20 |
| LOD\_CONSIGNMENTS | Consignments |  | numeric | 20 |
| LOD\_LINES | Lines |  | numeric | 20 |
| LOD\_LINEQTY | LineQty |  | numeric | 20 |
| LOD\_STUQTY | StUQty |  | numeric | 20 |
| LOD\_VOLUME | Volume |  | decimal | 20 |
| LOD\_WEIGHT | Weight |  | decimal | 20 |
| LOD\_ACTWEIGHT | ActualWeight |  | decimal | 20 |
| LOD\_TASKSNEW | TasksCountNew |  | numeric | 20 |
| LOD\_TASKSCURRENT | TasksCountCurrent |  | numeric | 20 |
| LOD\_TASKSACTIONED | TaskCountActioned |  | numeric | 20 |
| LOD\_LOADTIME | TimeToLoad |  | numeric | 20 |
| LOD\_UNLOADTIME | TimeToUnLoad |  | numeric | 20 |
| LOD\_OTHERTIME | TimeOther |  | numeric | 20 |
| LOD\_SUPERVISOR | Supervisor |  | varchar | 15 |
| LOD\_REASON | Reason |  | varchar | 4 |
| LOD\_DATECREATED | DateCreated |  | datetime | 16 |
| LOD\_DATESUSPENDED | DateSuspended |  | datetime | 16 |
| LOD\_DATEAPPOINT | DateAppointment |  | datetime | 16 |
| LOD\_DATEARRIVAL | DateArrived |  | datetime | 16 |
| LOD\_DATEDOCKIN | DateDockIn |  | datetime | 16 |
| LOD\_DATEDOCKOUT | DateDockOut |  | datetime | 16 |
| LOD\_DATEDEPARTURE | DateDeparture |  | datetime | 16 |
| LOD\_DATESHIPMENT | DateShipment |  | datetime | 16 |
| LOD\_DATECLOSED | DateClosed |  | datetime | 16 |
| LOD\_SEQUENCED | LoadSequence |  | varchar | 1 |
| LOD\_VARIANCE | Variance |  | varchar | 1 |
| LOD\_OVERDUE | OverDue |  | varchar | 1 |
| LOD\_ORDERSTATUS | OrderStatus |  | varchar | 2 |
| LOD\_ORDERSTAGE | OrderStage |  | varchar | 2 |
| LOD\_STAGE | Stage |  | varchar | 2 |

## Sales Orders

The Sales Orders endpoint allows the user to create, update, view and delete Sales Orders within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Sales Orders

https://sistestapi.snapfulfil.net/api/salesorders

#### GET a specific Sales Order record

https://sistestapi.snapfulfil.net/api/salesorders/{{salesorderid}}

Example response:

{  
 "OrderId": "APISALESORDER",  
 "BizId": "BIZ1",  
 ...  
 "MaintInd": "W",  
 "SOLines": [  
 {  
 "OrderId": "APISALESORDER",  
 "Line": "K5U1UDD3PW",  
 "Level": "00",  
 ...  
 "Stage": "10"  
 }  
 ],  
 "Addresses": [  
 {  
 "OrderId": "APISALESORDER",  
 "Table": "SOH",  
 "AddressId": "ADD1",  
 ...  
 "Longitude": 0.000000  
 }  
 ]  
}

#### POST a new Sales Order record

https://sistestapi.snapfulfil.net/api/salesorders

#### PUT a Sales Order record

https://sistestapi.snapfulfil.net/api/salesorders/{{salesordersid}}

#### DELETE a Sales Order record

https://sistestapi.snapfulfil.net/api/salesorders/{{salesorderid}}

### System Query Options

The GET operation for the Sales Order listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Sales Order records

https://sistestapi.snapfulfil.net/api/SalesOrders?$top=5

#### GET the top 5 Sales Order records, ordered by OrderId

https://sistestapi.snapfulfil.net/api/SalesOrders?$top=5&orderby=OrderId

#### GET all Sales Orders records ending with “6”

https://sistestapi.snapfulfil.net/api/SalesOrders?$filter=endswith(OrderId,'6')

### Data Model

#### Sales Order Header Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| BizId | See Stock Owner table below | String | 15 |  |
| BizSalesOrder |  | String | 20 |  |
| Status | Snaplookup [**SHIPSTATUS**] – value ‘00’ | String | 2 |  |
| OrderType | Snaplookup [**ORDTYPE**] – value S01 | String | 3 |  |
| OrderClass | Snaplookup [**SHIPCLASS**] - CUSORD | String | 10 |  |
| CustomerId | Customer ID | String | 15 | Yes |
| BizCustomerId |  | String | 15 |  |
| CustomerGroup |  | String | 15 |  |
| CustomerName | Customer Name | String | 50 |  |
| ShippingAddressId | ADD1 | String | 10 |  |
| InvoiceAddressId |  | String | 10 |  |
| Site | Site ID – ‘0001’ | String | 15 |  |
| Warehouse | Warehouse ID – ‘WAREHOUSE1’ | String | 15 |  |
| OwnerId | See Stock Owner table below | String | 15 |  |
| StockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| SalesOrder |  | String | 20 |  |
| Prime |  | String | 20 |  |
| PriorityAllocation | Snaplookup [**PRIORITY**] | String | 2 |  |
| PriorityDespatch | Snaplookup [**PRIORITY**] | String | 2 |  |
| CustomerRef |  | String | 20 |  |
| ConsignmentId |  | String | 20 |  |
| PickGroupId |  | String | 20 |  |
| ASNNumber |  | String | 20 |  |
| DNoteNumber |  | String | 20 |  |
| InvoiceNumber |  | String | 20 |  |
| ManifestNumber |  | String | 20 |  |
| BOL |  |  | 50 |  |
| MasterBOL |  |  | 50 |  |
| POD |  | String | 20 |  |
| ShippingMethod | Snaplookup [**SHIPMETHOD**] | String | 10 |  |
| Region | Snaplookup [**REGION**] | String | 20 |  |
| DC |  |  | 30 |  |
| Store |  |  | 30 |  |
| CarrierId |  |  | 1 |  |
| CarrierScac |  |  | 15 |  |
| CarrierTrackingNumber |  |  | 4 |  |
| Route |  |  |  |  |
| LoadId |  |  |  |  |
| LoadSequence |  |  |  |  |
| PackStation |  |  |  |  |
| ShippingLane |  |  |  |  |
| ReturnReason | Snaplookup [**SHIPRETURN**] |  |  |  |
| QC | Snaplookup [**QCCODE**] |  |  |  |
| Lines |  |  | 1 |  |
| LineQty |  |  | 1 |  |
| StUQty | Pallet Quantity |  | 2 |  |
| Volume |  |  | 1 |  |
| Weight |  |  |  |  |
| ActualWeight |  |  |  |  |
| TaskCountNew |  |  |  |  |
| TaskCountCurrent |  |  |  |  |
| TaskCountActioned |  |  |  |  |
| TimeToPick |  |  |  |  |
| TimeToPack |  |  |  |  |
| TimeToCheck |  |  |  |  |
| TimeToLoad |  |  |  |  |
| TimeOther |  |  |  |  |
| TimeToDeliver |  |  |  |  |
| InvoiceInd |  |  |  |  |
| Currency | Snaplookup [**CURRENCY**] |  |  |  |
| LineValue |  |  |  |  |
| Discount |  |  |  |  |
| Packing |  |  |  |  |
| Freight |  |  |  |  |
| Insurance |  |  |  |  |
| Charges |  |  |  |  |
| Allowances |  |  |  |  |
| Tax |  |  |  |  |
| InvoiceValue |  |  |  |  |
| ShortageCode |  |  |  |  |
| Variance |  |  |  |  |
| CutOffInd |  | String |  |  |
| Supervisor |  | String |  |  |
| Reason |  | String |  |  |
| DateCreated |  | DateTime |  |  |
| DateSuspended |  | DateTime |  |  |
| DateClosed |  | DateTime |  |  |
| DateDueOut |  | DateTime |  |  |
| DateShipment |  | DateTime |  |  |
| DateDelivery |  | DateTime |  |  |
| DateInvoice |  | DateTime |  |  |
| ASNInd |  | String |  |  |
| OverdueInd |  | String |  |  |
| Stage | Snaplookup [**SHIPSTAGE**] | String |  |  |
| MaintInd |  | String |  |  |
| ShipmentLines | 0..n | Array of ShipmentLines |  |  |
| ShipAddress | 0..2 | Array of ShipmentAddresses |  |  |
| ShipContacts | 0..n | Array of ShipmentContacts |  |  |

#### Sales Order Line Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| Line | Line ID | String | 10 |  |
| Level |  | String | 2 |  |
| SKUId | Product Code | String | 30 | Yes |
| BizSKU |  | String | 30 |  |
| CustomerSKU |  |  | 30 |  |
| UPC |  |  | 30 |  |
| UPCDescription |  |  | 100 |  |
| Category |  |  | 15 |  |
| UnitOfMeasure | Snaplookup [**UNIT**] – EA – Each | String | 3 | Yes |
| LineOwner |  | String | 15 |  |
| LineStockStatus | Snaplookup [**STKSTATUS**] | String | 2 |  |
| QtyOrdered |  | Decimal |  | Yes |
| QtyRequired |  | Decimal |  |  |
| QtyAllocated |  | Decimal |  |  |
| QtyTasked |  | Decimal |  |  |
| QtyPicked |  | Decimal |  |  |
| QtyShipped |  | Decimal |  |  |
| QtyDelivered |  | Decimal |  |  |
| QtyDueOut |  | Decimal |  |  |
| Price |  | Decimal |  |  |
| Discount |  | Decimal |  |  |
| TaxRate |  | Decimal |  |  |
| SOLineId |  | Decimal |  |  |
| ReturnReason |  | String | 4 |  |
| QC | Snaplookup [**QCCODE**] | String | 3 |  |
| Shortage |  | String | 2 |  |
| Variance |  | String | 1 |  |
| BOInd |  | String | 1 |  |
| ConsignmentId |  | String | 20 |  |
| PickGroupId |  | String | 20 |  |
| SiteId |  | String | 15 |  |
| Warehouse |  | String | 15 |  |
| BizId |  | String | 15 |  |
| OwnerId |  | String | 15 |  |
| StockStatus |  | String | 2 |  |
| DateShipment |  | DateTime |  |  |
| AttachmentInd |  | String | 1 |  |
| SpecialConditionInd |  | String | 1 |  |
| Stage | Snaplookup [**SHIPLSTAGE**] | String | 2 |  |

#### Sales Order Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value of SHH | String | 4 | Yes |
| ShipmentId | Shipment ID | String | 30 |  |
| AddressId | Must match a value in the InvoiceAddressId or ShippingAddressId within the Shipment Header – ADD1 | String | 10 |  |
| Name | Customer Name to appear on Despatch labels | String | 50 |  |
| Line1 | Address Line 1 | String | 50 |  |
| Line2 | Address Line 2 | String | 50 |  |
| Line3 | Address Line 3 | String | 50 |  |
| City | City | String | 30 |  |
| State |  | String | 30 |  |
| Postcode | Postcode | String | 20 |  |
| Country | A valid ISO 3166–1 alpha–2 Country Code | String | 10 | Yes |
| Region |  | String | 20 |  |
| Latitude |  | Decimal | 18 |  |
| Longitude |  | Decimal | 18 |  |

#### Sales Order Contact Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value of SHH | String | 5 | Yes |
| ShipmentId | Shipment ID | String | 30 | Yes |
| LineId | Line ID | String | 10 | Yes |
| Title |  | String | 10 |  |
| FirstName |  | String | 30 |  |
| LastName |  | String | 30 |  |
| Salutation |  | String | 30 |  |
| Position |  | String | 20 |  |
| Email |  | String | 50 |  |
| Fax |  | String | 20 |  |
| Phone |  | String | 20 |  |
| Mobile |  | String | 20 |  |
| Pager |  | String | 20 |  |
| Language |  | String | 10 |  |

#### Sales Order Despatch Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| Type |  | String | 3 | Yes |
| Stu | Pallet Type | String | 20 | Yes |
| Carrier |  | String | 15 |  |
| ShipMethod |  | String | 10 |  |
| CarrierTrack |  | String | 75 |  |
| CarrierRef1 |  | String | 75 |  |
| CarrierRef2 |  | String | 75 |  |
| CarrierRef3 |  | String | 75 |  |
| CarrierRef4 |  | String | 75 |  |
| Freight |  | Decimal |  |  |
| DateShipment |  | DateTime |  |  |
| ManifestInd |  | String | 1 |  |

## Special Conditions

The Special Conditions endpoint allows the user to create, update, view and delete Special Conditions within SnapFulfil. Please also refer to [“Special Condition Lines”](#special-condition-lines).

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 405 | Method Not Allowed. Please check you have the correct parameters. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Special Conditions for a specific Shipment

https://sistestapi.snapfulfil.net/api/specialconditions/{{shipmentid}}/{{table}}

Example response

[  
 {  
 "Table": "SHH",  
 "ShipmentId": "APISHIPMENT",  
 ...  
 "Code": "OWNER",  
 "Logic": "=",  
 "Value": "SNAPFULFIL"  
 }  
]

#### GET a specific Special Condition for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditions/{{shipmentid}}/{{table}}/{{key}}/{{keyline}}/{{line}}

#### POST a new Special Condition

https://sistestapi.snapfulfil.net/api/specialconditions

#### PUT a specific Special Condition for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditions/{{shipmentid}}/{{table}}/{{key}}/{{keyline}}/{{line}}

#### DELETE a specific Special Condition for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditions/{{shipmentid}}/{{table}}/{{key}}/{{keyline}}/{{line}}

### Data Model

#### Special Conditions Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| Table | SHH | String | 4 | Y |
| ShipmentId | Key / Shipment Id | String | 30 | Y |
| ShipmentLineId | Line ID of the Line on the Shipment | String | 10 | Y |
| LineId | Line ID | String | 10 | Y |
| Code | Type of Special Condition (e.g. BATCH) | String | 20 |  |
| Logic | Parameter for the Code | String | 2 |  |
| Value | Value for the Code | String | 30 |  |

## Special Condition Lines

The Special Condition Lines endpoint allows the user to create, update, view and delete Special Condition Lines within SnapFulfil. Please also refer to [“Special Conditions”](#special-conditions).

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 405 | Method Not Allowed. Please check you have the correct parameters. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET a specific Special Condition Line for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditionlines/{{shipmentid}}

#### POST a new Special Condition Line for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditionlines/{{shipmentid}}

#### PUT a Special Condition Line for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditionlines/{{table}}/{{shipmentid}}/{{shipmentlineid}}/{{generatedlineid}}

#### DELETE a Special Condition Line for a Shipment

https://sistestapi.snapfulfil.net/api/specialconditionlines/{{table}}/{{shipmentid}}/{{shipmentlineid}}/{{generatedlineid}}

### Data Model

#### Special Condition Line Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value “SHL” | String | 4 | Y |
| ShipmentId | Key / Shipment ID | String | 30 | Y |
| ShipmentLineId | Line ID of the Line on the Shipment | String | 10 | Y |
| Code | Type of Special Condition (BATCH) | String | 20 |  |
| Logic | Snaplookup [**SPECIAL\_LOGIC**] | String | 2 |  |
| Value | Value for the Code | String | 30 |  |
| GeneratedLineId | Fixed Value “XXX” when creating | String | 10 |  |
| ShipmentLineSKUId | Product ID | String | 30 |  |
| ShipmentSOLineId | Shipment Line ID | String | 10 |  |
| ShipmentLineUnit | Snaplookup [**UNIT**] | String | 3 |  |

## Serials Shipments

The Serials Shipment endpoint allows the user to view Shipments containing serialised stock from SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a specific Serial Shipment record

https://sistestapi.snapfulfil.net/api/serialsshipment/{{shipmentid}}

Expected response

[  
 {  
 "SerialKey": "K5U71C9L40",  
 "SerialValues": null,  
 "SerialNumber": "1",  
 "SKUId": "SERIALPRODUCT",  
 ...  
 "SerialStage": "90"  
 }  
]

### Data Model

#### Serials Shipment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SerialKey | Internal ID for the Serial | String | 10 |  |
| SerialValues |  | String | 250 |  |
| SerialNumber | Serial Number | String | 50 |  |
| SKUId | Product ID | String | 30 |  |
| State | State | String | 1 |  |
| Site | Site | String | 15 |  |
| Facility | Warehouse | String | 15 |  |
| ReceiptType | Receipt Type | String | 5 |  |
| ReceiptId | ID of Receipt | String | 20 |  |
| ReceiptStU | StU Serial was received on | String | 20 |  |
| ReceiptStatus | Receipt Status | String | 2 |  |
| ReceiptBizId | Receipt Biz | String | 15 |  |
| ReceiptOwnerId | Receipt Owner | String | 15 |  |
| ReceivingOperator | Operator who received the Serial | String | 10 |  |
| ReceiptDate | Date the Serial was received on | DateTime |  |  |
| ShipmentType | Type of Shipment / Movement | String | 5 |  |
| ShipmentId | Shipment ID or Task ID | String | 20 |  |
| ShipmentStU | StU the Serial was shipped on | String | 20 |  |
| ShipmentStatus | Status of Shipment | String | 2 |  |
| ShipmentBizId | Biz of the Shipment | String | 15 |  |
| ShipmentOwnerId | Owner of the Shipment | String | 15 |  |
| ShippingOperator | Operator who shipped the Serial | String | 10 |  |
| ShipDate | Date the Serial was shipped | DateTime |  |  |
| SerialStage | Stage of the Serial | String | 2 |  |

## Shipment Status

The Shipment Status endpoint allows the user to update and view Shipment statuses within SnapFulfil. This endpoint is used for actions such as Suspending or Cancelling a Shipment by changing the status. Please note that Shipments that have been ‘Fulfilled’ cannot have their status changed.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a Shipment Status record

https://sistestapi.snapfulfil.net/api/shipmentstatus/{{shipmentId}}

Example response:

{  
 "ShipmentId": "APISHIPMENT",  
 "Status": "00",  
 "Stage": "90",  
 "SiteId": "0001"  
}

#### PUT a Shipment Status record

https://sistestapi.snapfulfil.net/api/shipmentstatus/{{shipmentId}}

### Data Model

#### Shipment Status Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ShipmentId | Shipment ID | String | 20 | Yes |
| Status | Status of the Shipment | String | 2 | Yes |
| Stage | Stage of the Shipment | String | 2 | Yes |
| SiteID | Site ID (0001) | String | 15 |  |

## Open Shipments Summary

The Open Shipment Summary endpoint is used to access information on Shipments that are open, providing a high-level view of Shipment information.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET counts of all Open Shipments

https://sistestapi.snapfulfil.net/api/openshipmentssummary

#### GET the specific count of Open Shipments for a Site

https://sistestapi.snapfulfil.net/api/openshipmentssummary/{{siteid}}

### System Query Options

The GET operation for the Open Shipments Summary listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the Open Shipments summary , ordered by count

https://sistestapi.snapfulfil.net/api/openshipmentssummary?$orderby=Count

#### GET the top 5 Open Shipments summary records

https://sistestapi.snapfulfil.net/api/openshipmentssummary?$top=5

### Data Model

#### Open Shipments Summary Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Owner | Owner ID against the Shipments | String | 15 |  |
| Site | Site against the Shipment (Typically 0001 for single site customers) | String | 15 |  |
| Whs | Warehouse ID against the Shipment | String | 15 |  |
| Stage | Stage of the Shipment | String | 2 |  |
| Status | Status of the Shipment | String | 2 |  |
| OrderType | Type of Shipment – determines which screen the receipt will appear under. Usually hard coded | String | 3 |  |
| OrderClass | The Class of the Shipment – Customer Dependent | String | 10 |  |
| Carrier | Carrier ID of the Shipment | String | 15 |  |
| ShipMethod | Ship Method of the Shipment | String | 10 |  |
| Count | Total number of Shipments meeting the criteria | Integer | 18 |  |

## Closed Shipments Summary

The Closed Shipment Summary endpoint is used to access information on Shipments that have been closed, providing a high-level view of Shipment information.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET counts of all Closed Shipments

https://sistestapi.snapfulfil.net/api/closedshipmentssummary

#### GET a specific count of Closed Shipments for a Site

https://sistestapi.snapfulfil.net/api/closedshipmentssummary/{{siteid}}

#### GET all Shipments from a specific Site closed on a specific day

https://sistestapi.snapfulfil.net/api/closedshipmentssummary/{{siteid}}/{{date}}

### System Query Options

The GET operation for the Open Shipments Summary listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET Order by count

https://sistestapi.snapfulfil.net/api/closedshipmentssummary?$orderby=Count

#### GET the top 5 closed shipments

https://sistestapi.snapfulfil.net/api/closedshipmentssummary?$top=5

### Data Model

#### Closed Shipments Summary Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| OwnerId | Owner ID against the Shipment | String | 15 |  |
| Site | Site against the Shipment (Typically 0001 for single site customers) | String | 15 |  |
| Whs | Warehouse ID against the Shipment | String | 15 |  |
| Stage | Stage of the Shipment | String | 2 |  |
| Status | Status of the Shipment | String | 2 |  |
| OrderType | Type of Shipment – determines which screen the Shipment will appear under. Usually hard coded | String | 3 |  |
| OrderClass | The Class of the Shipment (customer dependent) | String | 10 |  |
| Carrier | Carrier against the Shipment | String | 15 |  |
| ShipMethod | Ship Method set against the Shipment | String | 10 |  |
| Count | Total number of Shipments meeting the criteria | Integer | 18 |  |

## Despatch Stock

The Despatch Stock endpoint provides access to view stock that has been recently despatched from within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Despatch Stock records

https://sistestapi.snapfulfil.net/api/despatchstock

#### GET a specific Despatch Stock record from a Consignment

https://sistestapi.snapfulfil.net/api/despatchstock/{{consignmentid}}

Example response:

[  
 {  
 "Type": "OC",  
 "ConsignmentId": "APISHIPMENT",  
 "StockId": "JJ1PNYDBB1",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90"  
 }   
]

### System Query Options

The GET operation for the Despatch Stock listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Despatch Stock records

https://sistestapi.snapfulfil.net/api/despatchstock?$top=5

#### GET the top 5 Despatch Stock records, ordered by Consignment ID

https://sistestapi.snapfulfil.net/api/despatchstock?$top=5&orderby=ConsignmentId

### Data Model

#### Despatch Stock Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Type | Stock Consignment Type “OC” = Outbound Consignment | String | 2 |  |
| ConsignmentId | Consignment/Shipment Reference | String | 20 |  |
| StockId | Unique Stock ID | String | 10 |  |
| BizId | Biz ID | String | 15 |  |
| OwnerId | Owner ID | String | 15 |  |
| SKUId | Product | String | 30 |  |
| StU | StU | String | 20 |  |
| StT | StT | String | 3 |  |
| Qty | Quantity | Decimal |  |  |
| Unit | Unit of Measure | String | 3 |  |
| BoxQty | Box Quantity | Decimal |  |  |
| Status | Snaplookup [**STKSTATUS**] | String | 2 |  |
| DateProduction | Production Date | DateTime |  |  |
| DateReceipt | Receipt Date | DateTime |  |  |
| DateRelease | Release Date | DateTime |  |  |
| DateExpiry | Expiry Date | DateTime |  |  |
| Country | Snaplookup [**COUNTRY**] | String | 10 |  |
| BatchId | Batch Reference | String | 30 |  |
| AssignmentType | Stock Consignment Type “OC” = Outbound Consignment | String | 2 |  |
| AssignmentRef | Consignment/Shipment Reference | String | 20 |  |
| LoadId | Load ID | String | 12 |  |
| PairInd | Pair Indicator | String | 1 |  |
| PairStU | Paired StU | String | 20 |  |
| OriginStockId | Original Stock ID | String | 10 |  |
| LabelPrintedInd | Label Printed Indicator | String | 1 |  |
| PutawayInd | Putaway Indicator | String | 1 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Stage | Snaplookup [**STKSTAGE**] | String | 2 |  |

## Stock Consignment

The Stock Consignment endpoint provides access to create and view Stock Consignment information within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **POST** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **PUT** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Stock Consignment records

https://sistestapi.snapfulfil.net/api/stockconsignment/

#### GET a specific Stock Consignment record

https://sistestapi.snapfulfil.net/api/stockconsignment/{{consignmentid}}

Example response:

[  
 {  
 "Type": "OC",  
 "ConsignmentId": "APICONSIGNMENT",  
 "StockId": "K6EL8JR5HK",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "00"  
 }  
]

#### POST a new Stock Consignment

https://sistestapi.snapfulfil.net/api/stockconsignment/

### System Query Options

The GET operation for the Stock Consignment listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Stock Consignment records

https://sistestapi.snapfulfil.net/api/StockConsignment?$top=5

#### GET the top 5 Stock Consignment records, ordered by SKU ID

https://sistestapi.snapfulfil.net/api/StockConsignment?$top=5&orderby=SKUId

#### GET Stock Consignment records where the StU value starts with “14”

https://sistestapi.snapfulfil.net/api/StockConsignment?$filter=startswith(StU,'14')

### Data Model

#### Stock Consignment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Type | IC or OC – Inbound / Outbound | String | 2 | Yes |
| ConsignmentId | Reference / Shipment / Receipt | String | 20 | Yes |
| StockId | Stock ID (Internal SnapFulfil ID) | String | 10 | Yes |
| BizId | Biz ID | String | 15 |  |
| OwnerId | Owner ID | String | 15 |  |
| SKUId | Product | String | 30 |  |
| StU | StU Record | String | 20 |  |
| StT | StT | String | 3 |  |
| Qty | Quantity | Decimal | 18 |  |
| Unit | Unit of Measure | String | 3 |  |
| BoxQty | Box Quantity | Decimal | 18 |  |
| Status | Status | String | 2 |  |
| DateProduction | Date Production | DateTime |  |  |
| DateReceipt | Date Receipt | DateTime |  |  |
| DateRelease | Date Release | DateTime |  |  |
| DateExpiry | Date Expiry | DateTime |  |  |
| Country | Country | String | 10 |  |
| BatchId | Batch ID | String | 30 |  |
| AssignmentType | Assignment Type (Inbound / Outbound) | String | 2 |  |
| AssignmentRef | Assignment Ref (Shipment / Receipt) | String | 15 |  |
| Consignment | Consignment | String | 20 |  |
| LoadId | Load | String | 20 |  |
| PairInd | Pair | String | 1 |  |
| PairStU | Pair StU | String | 20 |  |
| OriginStockId | Original Stock ID | String | 10 |  |
| LabelPrintedInd | Label Printed Indicator | String | 1 |  |
| PutawayInd | Putaway Indicator | String | 1 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Stage | Stage | String | 2 |  |

## StU Consignment

The StU Consignment endpoint provides access to view StU Consignment information from within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Stu Consignment records

https://sistestapi.snapfulfil.net/api/stuconsignment

#### GET a specific StU Consignment from the StU ID

https://sistestapi.snapfulfil.net/api/stuconsignment/{{stuid}}

Example response:

[  
 {  
 "Type": "OC",  
 "Ref": "APISHIPMENT",  
 "Stu": "APISTU1",  
 "Id": null,  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90"  
 }  
]

### System Query Options

The GET operation for the StU Consignment listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 StU Consignment records

https://sistestapi.snapfulfil.net/api/stuconsignment?$top=5

#### GET the top 5 StU Consignment records, ordered by Reference

https://sistestapi.snapfulfil.net/api/stuconsignment?$top=5&orderby=Ref

#### GET StU Consignment records where the StT is “SPT”

https://sistestapi.snapfulfil.net/api/stuconsignment?$filter=startswith(StT,%20'SPT')

### Data Model

#### StU Consignment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Type | IC or OC – Inbound / Outbound | String | 2 |  |
| Ref | Order Reference | String | 20 |  |
| Stu | StU ID | String | 20 |  |
| Id |  | String | 30 |  |
| BizId |  | String | 15 |  |
| OwnerId | Owner ID | String | 15 |  |
| StT | StT type | String | 3 |  |
| SKUId | SKU ID | String | 30 |  |
| StUDescription |  | String | 30 |  |
| StUComposition | Snaplookup [**COMPOSITION**] | String | 2 |  |
| Status | Snaplookup [**STKSTATUS**] – value ‘00’ | String | 2 |  |
| Height | Height | Decimal Number |  |  |
| Width | Width | Decimal Number |  |  |
| Depth | Depth | Decimal Number |  |  |
| Lines | Lines | Decimal Number |  |  |
| Qty | SKU Qty | Decimal Number |  |  |
| Volume | Volume | Decimal Number |  |  |
| Weight | Weight | Decimal Number |  |  |
| ActWeight |  | Decimal Number |  |  |
| AssignmentType |  | String | 2 |  |
| AssignmentRef |  | String | 20 |  |
| Consignment | Consignment ID | String | 20 |  |
| LoadId | Load ID | String | 20 |  |
| Label |  | String | 30 |  |
| PairInd |  | String | 1 |  |
| PairStU |  | String | 20 |  |
| Container |  | String | 20 |  |
| DestLevel |  | String | 10 |  |
| DestArea |  | String | 15 |  |
| LabelPrintedInd |  | String | 1 |  |
| PutawayInd | Putaway Indicator | String | 1 |  |
| DateCreated |  | DateTime |  |  |
| DateClosed |  | DateTime |  |  |
| Stage |  | String | 2 |  |

# Customers & Suppliers

The Customers & Suppliers endpoints are as follows:

* Customers
* Suppliers
* Invoices

## Customers

The Customers endpoint allows the user to create, update, view and delete Customer information stored within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 405 | Method Not Allowed. Please check you have the correct parameters. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Customer records

https://sistestapi.snapfulfil.net/api/customers

Example response:

{  
 "CustomerId": "TEST\_CUSTOMER",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "John Smith",  
 ...  
 "MaintInd": "H",  
 "CustomerAddresses": []  
 },  
}

#### POST a new Customer record

https://sistestapi.snapfulfil.net/api/customers

#### GET a specific Customer record

https://sistestapi.snapfulfil.net/api/customers/{{customerid}}

Example response:

{  
 "CustomerId": "TEST\_CUSTOMER",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "John Smith",  
 ...  
 "MaintInd": "H",  
 "CustomerAddresses": []  
  
}

#### PUT a Customer record

https://sistestapi.snapfulfil.net/api/customers/{{customerid}}

#### DELETE a Customer record

https://sistestapi.snapfulfil.net/api/customers/{{customerid}}

### System Query Options

The GET operation for the Customer listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Customer records

https://sistestapi.snapfulfil.net/api/customers?$top=5

Example response:

{  
 "CustomerId": "TEST\_CUSTOMER",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "John Smith",  
 ...  
 "MaintInd": "H",  
 "CustomerAddresses": []  
  
}

#### GET the top 5 Customer records, ordered by Customer ID

https://sistestapi.snapfulfil.net/api/customers?$top=100&orderby=CustomerId

#### GET all Customer records starting with the text ‘Customer’

https://sistestapi.snapfulfil.net/api/customers?$filter=startswith(CustomerId,'Customer')

### Data Model

#### Customer Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| CustomerId | Customer ID | String | 15 | Y |
| BizId | Customer Biz ID Snaplookup [**ORG**] | String | 15 | Y |
| Status | Snaplookup [**CUSSTATUS**] – Initial value ‘00’ if non provided. | String | 2 | N |
| Name | Customer Name | String | 50 | Y |
| GroupId | Customer Group Snaplookup [**Customer Group**] | String | 15 | N |
| Label | Customer Label | String | 10 | N |
| Substitute | Customer Substitute Flag | String | 1 | N |
| Stage | Customer Stage - Initial value ‘00’ if none provided. | String | 2 | Y |

#### Customer Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| Table | Fixed value of CUS | String | 3 | Y |
| CustomerId |  | String | 20 |  |
| AddressId | Must match a value in the InvoiceAddressId or ShippingAddressId within the Shipment Header | String | 10 |  |
| Name | Customer Name to appear on Despatch labels | String | 50 |  |
| Line1 |  | String | 50 |  |
| Line2 |  | String | 50 |  |
| Line3 |  | String | 50 |  |
| City |  | String | 30 |  |
| State |  | String | 30 |  |
| Postcode |  | String | 20 |  |
| Country | A valid [ISO 3166-1 alpha-2](http://en.wikipedia.org/wiki/ISO_3166-1_alpha-2) Country Code | String | 10 | Y |
| Region |  | String | 20 |  |
| Latitude |  | Decimal |  |  |
| Longitude |  | Decimal |  |  |

## Suppliers

The Suppliers endpoint allows the user to create, update, view and delete Suppliers information stored within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Supplier records

https://sistestapi.snapfulfil.net/api/suppliers

Example response

{  
 "SupplierId": "1&1001",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "1&1 INTERNET LIMITED",  
 ...  
 "MaintInd": "H",  
 "SupplierAddresses": []  
}

#### POST a new Supplier record

https://sistestapi.snapfulfil.net/api/suppliers

#### GET a specific Supplier record

https://sistestapi.snapfulfil.net/api/suppliers/{{supplierid}}

Example response:

{  
 "SupplierId": "1&1001",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "1&1 INTERNET LIMITED",  
 ...  
 "MaintInd": "H",  
 "SupplierAddresses": []  
}

#### PUT a Supplier record

https://sistestapi.snapfulfil.net/api/suppliers/{{supplierid}}

#### DELETE a Supplier record

https://sistestapi.snapfulfil.net/api/suppliers/{{supplierid}}

### System Query Options

The GET operation for the receipt listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET Return 5 Supplier records

https://sistestapi.snapfulfil.net/api/suppliers?$top=5

Example response

{  
 "SupplierId": "1&1001",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "1&1 INTERNET LIMITED",  
 ...  
 "MaintInd": "H",  
 "SupplierAddresses": []  
}

#### GET Return Suppliers records where Name ends with ‘LIMITED’

https://sistestapi.snapfulfil.net/api/suppliers?$filter=endswith(Name,%20'Limited')

Example response:

{  
 "SupplierId": "ABF001",  
 "Status": "00",  
 "BizId": "BIZ1",  
 "Name": "ABF Pictures Limited",  
 ...  
 "MaintInd": "H",  
 "SupplierAddresses": []  
   
}

### Data Model

#### Supplier Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| Supplier | Supplier ID | String | 15 | Yes |
| Status | Status of Supplier | String | 2 | Yes |
| BizId | BizID | String | 15 | Yes |
| Name | Name of Supplier (Description) | String | 50 | Yes |
| Group | Group ID | String | 15 |  |
| Label | Label | String | 10 |  |
| Stage | Stage of Supplier | String | 2 |  |
| MaintInd | W for Warehouse Maintained / H for Host Maintained | String | 1 |  |

#### Supplier Address Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| Table | SUP | String | 3 | Y |
| CustomerId | Supplier ID Address belongs to | String | 20 |  |
| AddressId | Address ID | String | 10 |  |
| Name | Name | String | 50 |  |
| Line1 | Address Line 1 | String | 50 |  |
| Line2 | Address Line 2 | String | 50 |  |
| Line3 | Address Line 3 | String | 50 |  |
| City | City | String | 30 |  |
| State | State | String | 30 |  |
| Postcode | Postcode | String | 20 |  |
| Country | Country | String | 10 | Y |
| Region | Region | String | 20 |  |
| Latitude | Latitude | Decimal |  |  |
| Longitude | Longitude | Decimal |  |  |

## Invoices

The Invoices endpoint is used to retrieve details on 3PL Invoices.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Invoice Records

https://https://sistestapi.snapfulfil.net/api/invoices

#### GET a specific Invoice record

https://https://sistestapi.snapfulfil.net/api/invoices/{{date}}

Example response:

{  
  
"Key\*:\*\* “FRKOKL23R”,  
  
“BizId”: “BIZ1”,  
  
…  
  
“InvoiceLines”: [  
  
{  
  
“Key”: “FRKOKL23R”,  
  
…  
  
“Stage”: “90”  
  
}  
  
]  
  
}

### System Query Options

The GET operation for the Invoice endpoint supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET all Invoice records, ordered by Key ID

https://https://sistestapi.snapfulfil.net/api/invoices?$orderby=Key

### Data Model

#### Invoice Header

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Key | Invoice Key | String | 10 |  |
| Site | Site ID | String | 15 |  |
| Biz | Biz ID | String | 15 |  |
| InvoiceAddress | Invoice Address | String | 10 |  |
| Invoice | Invoice | String | 20 |  |
| Tariff | Tariff | String | 10 |  |
| Currency | Currency | String | 3 |  |
| LineValue | Line Value |  | 20 |  |
| Tax | Tax |  | 20 |  |
| InvoiceValue | Invoice Value |  | 20 |  |
| Calendar | Calendar | String | 10 |  |
| PeriodYear | Period Year | String | 4 |  |
| Period | Period | String | 3 |  |
| DatePeriodStart | Date Period Start | DateTime | 20 |  |
| DatePeriodEnd | Date Period End | DateTime | 20 |  |
| DateCreated | Date Created | DateTime | 20 |  |
| DateInvoice | Date Invoice | DateTime | 20 |  |
| DateTax | Date Tax | DateTime | 20 |  |
| DateClosed | Date Closed | DateTime | 20 |  |
| Stage | Snaplookup [**INVSTAGE**] | String | 2 |  |

#### Invoice Line Segment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Key | Key | String | 10 |  |
| Line | Line | String | 10 |  |
| Charge | Charge | String | 10 |  |
| Description | Account | String | 15 |  |
| Class |  | String | 3 |  |
| Type |  | String | 4 |  |
| Basis |  | String | 10 |  |
| Unit |  | String | 3 |  |
| QtyCalculated |  |  | 20 |  |
| QtyInvoice |  |  | 20 |  |
| ChargeRate |  |  | 20 |  |
| Value |  |  | 20 |  |
| TaxRate |  |  | 20 |  |
| Sign |  | String | 1 |  |
| DateStart |  | DateTime | 16 |  |
| DateEnd |  | Datetime | 16 |  |

# Products & Inventory

The Products & Inventory endpoints are as follows:

* Products
* Product Configuration
* Product Alternates
* Kits
* StUs
* Replenishments
* Serial Movements
* Stock Movments
* Stock Detail
* Stock Totals
* Stock Total Kits

## Attachments

Attachments can be used to add supplementary information to certain elements within SnapFulfil. For example, Attachments can be used to trigger a message to pop-up on a Packing Station, or to store non-standard information about a SKU such as size or colour.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 405 | Method Not Allowed. Please check the parameters are correct and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Attachments by Key

https://sistestapi.snapfulfil.net/api/attachments/{{table}}/{{key}}/{{keyline}}/{{lineid}}

#### GET a specific Attachment

https://sistestapi.snapfulfil.net /api/attachments/{{table}}/{{key}}/{{keyline}}/{{lineid}}

#### POST a new Attachment

https://sistestapi.snapfulfil.net/api/attachments

#### PUT an Attachment

https://sistestapi.snapfulfil.net /api/attachments/{{table}}/{{key}}/{{keyline}}/{{lineid}}

#### DELETE an Attachment

https://sistestapi.snapfulfil.net /api/attachments/{{table}}/{{key}}/{{keyline}}/{{lineid}}

### System Query Options

The GET operation for the Attachment listing supports the following OData: filters

* $top
* $skip
* $filter
* $orderby

#### GET the top 100 Attachment records on the Shipments Header table, ordered by Type

https://sistestapi.snapfulfil.net/api/attachments/SHH?$top=100&orderby=SKUId

#### GET Attachment ‘Types’ from Shipment ‘SHIPMENT001’ where the Attachment Type starts with ‘ABC\_’

https://sistestapi.snapfulfil.net/api/attachments/SHH/SHIPMENT001?$filter=startswith(Type,'ABC\_')

### Data Model

#### Attachment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| Table | Table the attachment will belong to. ‘SHH’ for Shipment Header, ‘REH’ for Receipt Header | String | 4 | Yes |
| Key | Key based on the Table. Shipment ID for ‘SHH’, Receipt ID for ‘REH’ | String | 30 | Yes |
| Keyline | Unique Identifier in case of multiple attachments to the same Key | String | 10 | Yes |
| LineId | Further Unique Identifier | String | 10 | Yes |
| Type | Snaplookup [**ATTTYPE**] – The type of Attachment | String | 10 | Yes |
| AttachmentText | The Attachment text body | String | 1000 | Yes |

## Products

The Product endpoint allows the user to create, update, view and delete Product SKUs within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 405 | Method Not Allowed. Please check you have the correct parameters. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Product records

https://sistestapi.snapfulfil.net/api/products

#### POST a new Product record

https://sistestapi.snapfulfil.net/api/products

#### GET a specific Product record

https://sistestapi.snapfulfil.net/api/products/{{skuid}}

Example response:

{  
 "SKUId": "APISKU",  
 "Status": "00",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "00",  
 "MaintInd": "W"  
}

#### PUT update a Product record

https://sistestapi.snapfulfil.net/api/products/{{skuid}}

#### DELETE a Product record

https://sistestapi.snapfulfil.net/api/products/{{skuid}}

### System Query Options

The GET operation for the Products listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 100 Product records

https://sistestapi.snapfulfil.net/api/Products?$top=100

#### GET the top 100 Product records, ordered by SKU ID

https://sistestapi.snapfulfil.net/api/Products?$top=100&orderby=SKUId

#### GET Product records starting with ‘10000’

https://sistestapi.snapfulfil.net/api/Products?$filter=startswith(SKUId,'10000')

### Data Model

#### Products Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| SKUId | SKU ID | String | 30 | Y |
| BizId | SKU Biz id Snaplookup [ORG] | String | 15 | Y |
| Status | Snaplookup [\*\*SKUSTATUS]\*\* – Initial value ‘00’ if non provided. | String | 2 | N |
| Description | SKU Description | String | 30 | Y |
| Text |  | String | 250 |  |
| Group1 | Snaplookup [**PRODUCT\_GROUP1**] | String | 15 | N |
| Group2 | Snaplookup [**PRODUCT\_GROUP2**] | String | 15 | N |
| BoxUnit | Snaplookup [**UNIT**] | String | 3 | N |
| BoxQty | SKU Box Quantity - Defaults to ‘0’ if no value populated | Decimal | 18,6 | N |
| ItemUnit | SKU Item Unit | String | 3 | N |
| Life | SKU Life (Defaults to ‘0’ if no value populated | Decimal | 18,6 | N |
| ExpiryReqd | SKU Expiry Flag - Defaults to ‘0’ if no value populated | String | 1 | N |
| ProductionReqd | SKU Production Date Flag - Defaults to ‘0’ if no value populated | String | 1 | N |
| BatchReqd | SKU Batch Flag - Defaults to ‘0’ if no value populated | String | 1 | N |
| SerialReqd | SKU Serial Flag - Defaults to ‘0’ if no value populated | String | 1 | N |
| Country | SKU Country of Origin Flag - Defaults to ‘0’ if no value populated | String | 1 | N |
| RotationMethod | SKU Rotation Method Snaplookup [**ROTATION**] - Defaults to ‘X1’ if no value populated | String | 2 | N |
| Type | SKU Type Snaplookup [**SKUTYPE**] - Defaults to ‘00’ if no value populated | String | 2 | N |
| Class | SKU Class Snaplookup [**SKUCLASS**] - Defaults to ‘03’ if no value populated | String | 2 | N |
| Value | SKU Value Snaplookup [**SKUVALUE**] - Defaults to ‘02’ if no value populated | String | 2 | N |
| BoxHeight | SKU Box Height | Decimal | 18,6 | N |
| BoxWidth | SKU Box Width | Decimal | 18,6 | N |
| BoxDepth | SKU Box Depth | Decimal | 18,6 | N |
| BoxWeight | SKU Box Weight | Decimal | 18,6 | N |
| ItemHeight | SKU Item Height | Decimal | 18,6 | N |
| ItemWidth | SKU Item Width | Decimal | 18,6 | N |
| ItemDepth | SKU Item Depth | Decimal | 18,6 | N |
| ItemWeight | SKU Item Weight | Decimal | 18,6 | N |
| Stage | SKU Stage - Defaults to ‘00’ if no value populated | String | 2 | N |
| QA | SKU QA Code | String | 3 | N |
| QC | SKU QC Code | String | 3 | N |
| HazardCode | SKU Hazard Code | String | 3 | N |
| MaintInd | **W** for Warehouse Maintained / **H** for Host Maintained | String | 1 | N |
| DateHeld |  | DateTime |  |  |

## Product Configuration

The Product Configuration endpoint allows the Operation to create, update, view and delete Product Configurations within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Product Configuration records

https://sistestapi.snapfulfil.net/api/productconfig

#### GET a specific Product Configuration record

https://sistestapi.snapfulfil.net/api/productconfig/{{skuid}}

Example response:

[  
 {  
 "SKUId": "APISKU",  
 "StT": "LPT",  
 "LayerCount": 1.0,  
 ...  
 "Product": null  
 }  
  
]

#### GET a specific Product Configuration record, specifiying an StT

https://sistestapi.snapfulfil.net/api/productconfig/{{skuid}}/{{sttid}}

#### POST a new Product Configuration record

https://sistestapi.snapfulfil.net/api/productconfig

#### PUT update a Product Configuration record

https://sistestapi.snapfulfil.net/api/productconfig/{{skuid}}/{{sttid}}

#### DELETE a Product Configuration record

https://sistestapi.snapfulfil.net/api/productconfig/{{skuid}}/{{sttid}}

### System Query Options

The GET operation for the Product Configuration listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 10 Product Configuration records

https://sistestapi.snapfulfil.net/api/ProductConfig/?$top=10

#### GET the top 10 Product Configuration records, ordered by StT

https://sistestapi.snapfulfil.net/api/ProductConfig?$top=10&orderby=StT

#### GET the Product Configuration StT’s from SKUID “SKU01” starting with “SPT”

https://sistestapi.snapfulfil.net/api/ProductConfig/SKU01?$filter=startswith(StT,%20'SPT')

### Data Model

#### Product Configuration Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| SKUId | Product ID the Configuration belongs to | String | 30 | Yes |
| StT | STT for the specific Product Configuration | String | 3 | Yes |
| LayerCount | How many layers this Configuration has | Decimal | 18 | Yes |
| LayerQty | How many items per layer for this Configuration | Decimal | 18 | Yes |
| Unit | Unit of Measure for the Product / Configuration | String | 3 | Yes |
| Paired | Not currently used – Defaulted to 0 | String | 1 |  |
| StackLimit |  | Decimal | 18 |  |
| MaintInd | W for Warehouse Maintained / H for Host Maintained | String | 1 |  |
| Product |  | Product |  |  |

## Product Alternates

The Product Alternates endpoint allows the user to create, update, view and delete Product Alternate configurations within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 405 | Method Not Allowed. Please check you have the correct parameters. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET all Product Alternate records

https://sistestapi.snapfulfil.net/api/productalternates

#### POST a new Product Alternate record

https://sistestapi.snapfulfil.net/api/productalternates

#### GET a specific Product Alternate record

https://sistestapi.snapfulfil.net/api/productalternates/{{alternateid}}

Example response:

{  
 "AlternateSKUId": "APIALTERNATE",  
 "LineId": "1",  
 "OriginalSKUId": "APISKU",  
 ...  
 "MaintInd": "H"  
}

#### PUT a specific Product Alternate record

https://sistestapi.snapfulfil.net/api/productalternates/{{alternateid}}

#### DELETE a specific Product Alternate record

https://sistestapi.snapfulfil.net/api/productalternates/{{alternateid}}

### System Query Options

The GET operation for the Product Alternates listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 100 Product Alternate records

https://sistestapi.snapfulfil.net/api/productalternates?$top=100

#### GET the top 100 Product Alternate records, ordered by Type

https://sistestapi.snapfulfil.net/api/productalternates?$top=100&orderby=Type

#### GET all Product Alternate records starting with “10000”

https://sistestapi.snapfulfil.net/api/productalternates?$filter=startswith(AlternateSKUId,%20'10000')

### Data Model

#### Product Alternates Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| AlternateSKUId | Alternate SKU ID | String | 30 | Y |
| LineId | Line Id | String | 10 | Y |
| OriginalSKUId | Original SKU ID | String | 30 | Y |
| Type | Snaplookup [**ALTTYPE**] | String | 2 | Y |
| Reference |  | String | 15 |  |
| MaintInd | **H** = Host Maintained / **W** = Warehouse Maintained | String | 1 | Y |

## Kits

The Kits endpoint allows the operation to create, update, view and delete Product Kit configurations within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 405 | Method Not Allowed – Check your parameters. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET a specific Kit record

https://sistestapi.snapfulfil.net/api/kits/{{productkitid}}/{{unitofmeasure}}

Example response:

[  
 {  
 "ProductKitId": "APISKUKIT",  
 "Unit": "EA",  
 "ComponentSKUID": "APISKU",  
 ...  
 "MaintInd": "H"  
 }  
   
]

#### POST a new Kit record

https://sistestapi.snapfulfil.net/api/kits/

#### PUT a specific Kit record

https://sistestapi.snapfulfil.net/api/kits/{{productkitid}}/{{unitofmeasure}}

#### DELETE a specific Kit record

https://sistestapi.snapfulfil.net/api/kits/{{productkitid}}/{{unitofmeasure}}

### Data Model

#### Kits Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| ProductKitId | Product Kit ID | String | 30 | Yes |
| Unit | Product Kit Unit | String | 3 | Yes |
| ComponentSKUID | Component SKU ID | String | 30 | Yes |
| Qty | Component SKU Quantity | Integer | 18 | Yes |
| ComponentSKUUnit | Component SKU Unit | String | 3 | Yes |
| DateEffective | Date Kit is effective | DateTime |  | No |
| DateClosed | Date Kit ends | DateTime |  | No |
| MaintInd | **W** for Warehouse Maintained / **H** for Host Maintained | String | 1 | No |

## StU

The StU endpoint allows the user to view information on StUs within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all StU records

https://sistestapi.snapfulfil.net/api/stu

#### GET a specific StU record

https://sistestapi.snapfulfil.net/api/stu/{{stuid}}

Example response:

{  
 "StuId": "APISTU1",  
 "BizId": "BIZ1",  
 ...  
 "DateLastMove": "2019-01-15T08:09:29"  
}

### System Query Options

The GET operation for the StU listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 100 StU records

https://sistestapi.snapfulfil.net/api/stu?$top=100

#### GET the top 100 StU records, ordered by StU ID

https://sistestapi.snapfulfil.net/api/stu?$top=100&orderby=Stuid

#### GET all StU records with an StT of “SPT”

https://sistestapi.snapfulfil.net/api/stu?$filter=startswith(StT,'SPT')

### Data Model

#### Stu Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| StuId | Stu ID | String | 20 |  |
| BizId | Biz ID | String | 15 |  |
| OwnerId | Owner | String | 15 |  |
| StT | StT | String | 3 |  |
| SKUId | SKU ID | String | 30 |  |
| Description |  | String | 30 |  |
| Composition | Snaplookup [**COMPOSITION**] | String | 2 |  |
| Status | Snaplookup [**STKSATUS**] – value ‘00’ | String | 2 |  |
| State | Snaplookup [**STATE**] | String | 1 |  |
| Site | Site Id | String | 15 |  |
| Facility | Warehouse | String | 15 |  |
| Zone | Zone | String | 15 |  |
| Bay | Bay | String | 15 |  |
| Section | Section | String | 15 |  |
| Slot | Slot | String | 15 |  |
| Height | Height | Decimal | 18 |  |
| Width | Width | Decimal | 18 |  |
| Depth | Depth | Decimal | 18 |  |
| Lines | Lines | Decimal | 18 |  |
| Quantity | Quantity | Decimal | 18 |  |
| Volume | Volume | Decimal | 18 |  |
| Weight | Weight | Decimal | 18 |  |
| ActualWeight |  | Decimal | 18 |  |
| AssignType |  | String | 2 |  |
| AssignRef |  | String | 20 |  |
| Consignment | Consignment ID | String | 20 |  |
| Load |  | String | 20 |  |
| Label |  | String | 30 |  |
| Pair |  | String | 1 |  |
| PairStu |  | String | 20 |  |
| Container |  | String | 20 |  |
| Printed |  | String | 1 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateHeld | Date Held | DateTime |  |  |
| DateLastMove | Date of last movement | DateTime |  |  |

## Replenishments

The Replenishments endpoint allows the user to create, update, view and delete Replenishment configurations within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 201 | Entity Created. |
|  | 304 | Not Modified - Entity already exists. |
|  | 400 | Invalid Entity. |
|  | 401 | Not Authorized. |
| **DELETE** | 204 | No Content. (Success) |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 409 | Unable to delete due to conflict in data. Delete failed. |

### Usage

#### GET a specific Replenishment record

https://sistestapi.snapfulfil.net/api/replenishments/{{skuid}}

Example response:

[  
 {  
 "SiteId": "0001",  
 "SKUId": "APISKU",  
 "Unit": "EA",  
 ...  
 "DateUpdated": null  
 }  
]

#### POST a new Replenishment record

https://sistestapi.snapfulfil.net/api/replenishments

#### PUT a Replenishment record

https://sistestapi.snapfulfil.net/api/replenishments/{{siteid}}/{{skuid}}/{{unit}}/{{ownerId}}/{{level}}/{{area}}

#### DELETE a Replenishment record

https://sistestapi.snapfulfil.net/api/replenishments/{{siteid}}/{{skuid}}/{{unit}}/{{ownerId}}/{{level}}/{{area}}

### System Query Options

The GET operation for the Replenishments listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 10 Replenishment records

https://sistestapi.snapfulfil.net/api/Replenishments?$top=10

#### GET the top 10 records Replenishment, ordered by Area

https://sistestapi.snapfulfil.net/api/replenishments?$top=10&orderby=Area

#### GET Replenishment records where Area starts with “AA”

https://sistestapi.snapfulfil.net/api/replenishments?$filter=startswith(Area,'AA')

### Data Model

#### Replenishment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Description** | **Datatype** | **Length** | **Mandatory** |
| SiteId | Site ID | String | 15 | Yes |
| SKUId | Product ID | String | 30 | Yes |
| Unit | Unit of Measure for the Product | String | 3 | Yes |
| OwnerId | Owner ID for the Stock Record | String | 15 | Yes |
| Level | Value of SLOT / BAY / SECTION / ZONE | String | 10 | Yes |
| Area | Id for the SLOT / BAY / SECTION / ZONE | String | 15 | Yes |
| Status | Status of the Replenishment – This is defaulted and handled by SnapFulfil | String | 2 |  |
| MinQty | Minimum Quantity before the system will replenish this Location / Product | Decimal | 18 |  |
| MaxQty | Maximum Quantity the system is allowed to put into this area | Decimal | 18 |  |
| ReplenAction | This is defaulted and handled by SnapFulfil and will change based on the minimum / maximum / current stock in the area | String | 1 |  |
| ShortageInd | Is there a shortage of stock? True or False – Handled by SnapFulfil | String | 1 |  |
| DateCreated | Date the Replenishment record was created | DateTime |  |  |
| DateUpdated | Date the Replenishment record was last updated | DateTime |  |  |

## Serial Movements

The Serial Movements Summary endpoint provides access to view recent Serial Movements within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a specific Serial Movement record based on the Movement Type

https://sistestapi.snapfulfil.net/api/serialmovements/{{movementref}}/{{movementtype}}

Example response:

[  
 {  
 "SerialKey": "K5U71C9L40",  
 "SerialValues": null,  
 "SerialNumber": "1",  
 "SKUId": "SERIALPRODUCT",  
 ...  
 "SerialStage": "90"  
 }  
  
]

### Data Model

#### Serial Movements Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SerialKey | Internal ID For the Serial | String | 10 |  |
| SerialValues |  | String | 250 |  |
| SerialNumber | Serial Number | String | 50 |  |
| SKUId | Product ID | String | 30 |  |
| State | State | String | 1 |  |
| Site | Site | String | 15 |  |
| Facility | Warehouse | String | 15 |  |
| ReceiptType | Receipt Type | String | 5 |  |
| ReceiptId | ID of Receipt | String | 20 |  |
| ReceiptStU | StU Serial was received on | String | 20 |  |
| ReceiptStatus | Receipt Status | String | 2 |  |
| ReceiptBizId | Receipt Biz | String | 15 |  |
| ReceiptOwnerId | Receipt Owner | String | 15 |  |
| ReceivingOperator | Operator who received the Serial | String | 10 |  |
| ReceiptDate | Date the Serial was received on | DateTime |  |  |
| ShipmentType | Type of Shipment / Movement | String | 5 |  |
| ShipmentId | Shipment ID or Task ID | String | 20 |  |
| ShipmentStU | StU the Serial was shipped on | String | 20 |  |
| ShipmentStatus | Status of Shipment | String | 2 |  |
| ShipmentBizId | Biz of the Shipment | String | 15 |  |
| ShipmentOwnerId | Owner of the Shipment | String | 15 |  |
| ShippingOperator | Operator who shipped the Serial | String | 10 |  |
| ShipDate | Date the Serial was shipped | DateTime |  |  |
| SerialStage | Stage of the Serial | String | 2 |  |

## Stock Movements

The Stock Movements Summary endpoint provides access to view recent Stock Movements within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a specific Stock Movement record based on the Movement Type

https://sistestapi.snapfulfil.net/api/stockmovements/{{site}}/{{type}}/{{moveid}}/{{lineid}}

Example response:

{  
 "SiteId": "0002",  
 "MoveType": "SREG",  
 "MoveId": "SREG000001",   
 "MoveLineId": "K5U71PQJJH",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90"  
}

### Data Model

#### Stock Movements Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SiteId | Site ID | String | 15 |  |
| MoveType | Task Type | String | 5 |  |
| MoveId | Task ID | String | 10 |  |
| MoveLineId | Internal SnapFulfil ID | String | 10 |  |
| BizId | Biz Id | String | 15 |  |
| Status | Status of Movement | String | 2 |  |
| Class | Class of Movement | String | 30 |  |
| Reference | Reference of Movement | String | 20 |  |
| SKUId | Product ID | String | 30 |  |
| QtyTasked | Quantity Tasked | Decimal |  |  |
| QtyActioned | Quantity Actioned | Decimal |  |  |
| Unit | Unit of Measure | String | 3 |  |
| BoxQty | Box Quantity | Decimal |  |  |
| FromState | From State | String | 1 |  |
| FromSite | From Site ID | String | 15 |  |
| FromFacility | From Warehouse | String | 15 |  |
| FromZone | From Zone | String | 15 |  |
| FromBay | From Bay | String | 15 |  |
| FromSection | From Section | String | 15 |  |
| FromSlot | From Location | String | 15 |  |
| FromStU | From StU | String | 20 |  |
| FromStT | From StT | String | 3 |  |
| FromOwner | From Owner | String | 15 |  |
| FromStatus | From Status | String | 2 |  |
| FromAssignType | From Assign Type | String | 2 |  |
| FromAssignRef | From Assign Ref | String | 20 |  |
| FromLoad | From Load | String | 20 |  |
| FromStockID | From Internal Snap ID | String | 10 |  |
| ToState | To State | String | 1 |  |
| ToSite | To Site ID | String | 15 |  |
| ToFacility | To Warehouse | String | 15 |  |
| ToZone | To Zone | String | 15 |  |
| ToBay | To Bay | String | 15 |  |
| ToSection | To Section | String | 15 |  |
| ToSlot | To Location | String | 15 |  |
| ToStU | To StU | String | 20 |  |
| ToStT | To StT | String | 3 |  |
| ToOwner | To Owner | String | 15 |  |
| ToStatus | To Status | String | 2 |  |
| ToAssignType | To Assign Type | String | 2 |  |
| ToAssignRef | To Assign Ref | String | 20 |  |
| ToLoad | To Load | String | 20 |  |
| ToStockId | To Internal SnapFulfil ID | String | 10 |  |
| Sequence | Sequence | Decimal |  |  |
| JobId | Job ID | String | 15 |  |
| JobSequence | Job Sequence | Decimal |  |  |
| Operator | Operator | String | 10 |  |
| Supervisor | Supervisor Intervention | String | 15 |  |
| ReasonId | Reason Code | String | 4 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Stage | Stage | String | 2 |  |

## Stock Detail

The Stock Detail endpoint allows access to SnapFulfil Stock Detail data within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Stock Detail records

https://sistestapi.snapfulfil.net/api/stockdetail

#### GET a specific Stock Detail record

https://sistestapi.snapfulfil.net/api/stockdetail/{{skuid}}

Example response:

[  
 {  
 "StockId": "K0RS9ZLMG5",  
 "BizId": "BIZ1",  
 "OwnerId": "OWNER1",  
 "SKUId": "APISKU",  
 ...  
 "DateLastMove": "2019-01-15T06:24:47"  
 }  
]

### Data Model

#### Stock Detail Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| StockId | Internal SnapFulfil Stock ID | String | 10 |  |
| BizId | Biz ID | String | 15 |  |
| OwnerId | Owner ID | String | 15 |  |
| SKUId | Product | String | 30 |  |
| State | W / Z | String | 1 |  |
| Site | Site ID | String | 15 |  |
| Facility | Warehouse | String | 15 |  |
| Zone | Zone | String | 15 |  |
| Bay | Bay | String | 15 |  |
| Section | Section | String | 15 |  |
| Slot | Location | String | 15 |  |
| StU | StU | String | 20 |  |
| StT | StT | String | 3 |  |
| Qty | Quantity | Decimal |  |  |
| Unit | Unit of Measure | String | 3 |  |
| BoxQty | Box Quantity | Decimal |  |  |
| Status | Status | String | 2 |  |
| DateProdn | Date Production | DateTime |  |  |
| DateReceipt | Date Receipt | DateTime |  |  |
| DateRelease | Date Released | DateTime |  |  |
| DateExpiry | Date Expiry | DateTime |  |  |
| Country | Country | String | 10 |  |
| Batch | Batch | String | 30 |  |
| Serial | Serial | String | 50 |  |
| AssignType | OC / IC | String | 2 |  |
| AssignRef | Assignment | String | 20 |  |
| Consignment | Consignment | String | 20 |  |
| Load | Load | String | 20 |  |
| Pair | Pair | String | 1 |  |
| PairStU | Pair StU | String | 20 |  |
| OriginStkId | Origin Stock ID | String | 10 |  |
| Tamper | Tamper | String | 1 |  |
| Printed | Printed (Y/N) | String | 1 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateHeld | Date Held | DateTime |  |  |
| DateLastMove | Date Last Move | DateTime |  |  |

## Stock Totals

The Stock Totals endpoint allows access to Stock Totals data within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and Permissions and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET Return all Stock Totals

https://sistestapi.snapfulfil.net/api/stocktotals/

#### GET a Stock Totals record for a specific SKU

https://sistestapi.snapfulfil.net/api/stocktotals/{{skuid}}

Example response:

[  
 {  
 "SKUId": "APISKU",  
 "LineID": "K20F4MQUKV",  
 "State": "W",  
 "Site": "0001",  
 ...  
 "DateLastMoved": "2019-02-05T23:50:36",  
 "Product": {  
 "SKUId": "APISKU",  
 "Status": "00",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "00",  
 "MaintInd": "W"  
 }  
 }  
]

### System Query Options

#### GET the top 10 Stock Total records

https://sistestapi.snapfulfil.net/api/stocktotals?$top=10

#### GET the top 10 Stock Total records ordered by SKU

https://sistestapi.snapfulfil.net/api/stocktotals?$top=10&orderby=SKUId

#### GET Stock Total records where SKU starts with “AA”

https://sistestapi.snapfulfil.net/api/stocktotals?$filter=startswith(SKUId,'A')

### Data Model

#### Stock Totals Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SKUId | Product | String | 30 |  |
| LineId | Internal SnapFulfil Stock ID | String | 10 |  |
| State | W / Z | String | 1 |  |
| Site | Site ID | String | 15 |  |
| Facility | Warehouse | String | 15 |  |
| BizId | Biz ID | String | 15 |  |
| OwnerId | Stock Owner | String | 15 |  |
| Status | Status | String | 2 |  |
| Qty | Quantity | Decimal |  |  |
| QtyAllocated | Quantity Allocated | Decimal |  |  |
| QtyAssigned | Quantity Assigned | Decimal |  |  |
| QtyOrderIn | Quantity Ordered In | Decimal |  |  |
| QtyDueIn | Quantity Due In | Decimal |  |  |
| QtyOrderOut | Quantity Ordered Out | Decimal |  |  |
| QtyDueOut | Quantity Due Out | Decimal |  |  |
| StockLevelIndicator | Stock Level Indicator | String | 2 |  |
| DateLastMoved | Date Last Moved | DateTime |  |  |
| Product | *See Products Data Model* |  |  |  |

## Stock Total Kit

The Stock Total Kit endpoint allows you to view the potential number of Kit items from the available Inventory.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Stock Totals Kits records

https://sistestapi.snapfulfil.net/api/stocktotalskit

#### GET a Stock Totals Kits record for a specific SKU

https://sistestapi.snapfulfil.net/api/stocktotalskit/{{skuid}}

Example response:

[  
 {  
 "PotentialKitQty": 66.0,  
 "SKUId": "APISKU",  
 "LineID": "K21NGEBDM9",  
 "State": "W",  
 "Site": "0001",  
 ...  
 "Product": null  
 }  
]

### System Query Options

The GET operation for the Snap Lookups listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Stock Totals Kits records

https://sistestapi.snapfulfil.net/api/stocktotalskit?$top=5

### Data Model

#### Stock Totals Kits Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| PotentialKitQty |  | Decimal |  |  |
| SKUId |  | String | 30 |  |
| LineID |  | String | 10 |  |
| State |  | String | 1 |  |
| Site |  | String | 15 |  |
| Facility |  | String | 15 |  |
| BizId |  | String | 15 |  |
| OwnerId |  | String | 15 |  |
| Status |  | String | 2 |  |
| Unit |  | String | 3 |  |
| Qty |  | Decimal |  |  |
| QtyAllocated |  | Decimal |  |  |
| QtyAssigned |  | Decimal |  |  |
| QtyOrderIn |  | Decimal |  |  |
| QtyDueIn |  | Decimal |  |  |
| QtyOrderOut |  | Decimal |  |  |
| QtyDueOut |  | Decimal |  |  |
| StockLevelIndicator |  | String | 2 |  |
| DateLastMoved |  | DateTime |  |  |

# Interfacing

The Interfacing endpoints are as follows:

* Inbound Interface
* Outbound Interface

## Snap Inbound

The Inbound Interface endpoint allows the user to view Inbound Interface messages and retrieve data from them.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a specific Inbound Interface record by XDOC number

https://sistestapi.snapfulfil.net/api/snapinbound?$filter=startswith(XDoc,%20’{{xdoc}})

#### GET a specific line from an Inbound Interface record by XDOC ID

https://sistestapi.snapfulfil.net/api/snapinbound/{{xdoc}}/{{line}}

Example response:

{  
 "Host": "HOST\_API",  
 "XDoc": "INA0000871",  
 "Line": "L0VGDTGWKU",  
 "Transaction": "SHIPMENT",  
 "Segment": "HEADER\_UPDATE",  
 ...  
 "DateCreated": "2020-01-16T12:05:51",  
 "DateProcessed": "2020-01-16T12:05:52",  
 "Stage": "10"  
}

#### GET a list of errored Inbound Interface records that are Open and Closed

https://sistestapi.snapfulfil.net/api/snapinbound/error

#### GET a list of errored Inbound Interface records at stage 10 (Open)

https://sistestapi.snapfulfil.net/api/snapinbound/error?$filter=Stage eq '10'

Example response:

{  
 "Host": "HOST\_API",  
 "XDoc": "INA0000871",  
 "Line": "L0VGDTGWKU",  
 "Transaction": "SHIPMENT",  
 ...  
 "DateCreated": "2020-01-16T12:05:51",  
 "DateProcessed": "2020-01-16T12:05:52",  
 "Stage": "10"  
 }

### System Query Options

The GET operation for the Snap Lookups listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top Inbound Interface 5 records

https://sistestapi.snapfulfil.net/api/SnapInbound?$top=5

#### GET the top 5 Inbound Interface records ordered by transaction

https://sistestapi.snapfulfil.net/api/SnapInbound?$top=5&orderby=Transaction

Example response:

{  
 "Host": "HOST\_API",  
 "XDoc": "OUA0000445",  
 "Transaction": "STOCK\_MOVE",  
 ...  
 "DateCreated": "2018-10-24T10:25:40",  
 "DateProcessed": null,  
 "Stage": "00"  
}

#### GET Inbound Interface records where the Segment starts with “HEADER”

https://sistestapi.snapfulfil.net/api/snapinbound?$filter=startswith(Segment,%20'HEADER')

### Data Model

#### Snap Inbound Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Host | Host Name | String | 15 |  |
| XDoc | Task ID | String | 10 |  |
| Line | Internal Snap ID | String | 10 |  |
| Transaction | Type of Message (SHIPMENT, ADVICE, PO) | String | 15 |  |
| Segment | Part of the Transaction (HEADER, LINE, ADDRESS) | String | 15 |  |
| Key | Contains Movement data based on message, including Task ID | String | 100 |  |
| Message | Contains the full message data | String | 2000 |  |
| Error | Contains the full Error message | String | 1000 |  |
| Batch | API Ref Number (SnapFulfil generated) | String | 30 |  |
| DateCreated | Date the record was created | DateTime |  |  |
| DateProcessed | Date the record was processed | DateTime |  |  |
| Stage | Stage of the record | String | 2 |  |

## Snap Outbound

The Outbound Interface endpoint allows the user to view or update Outbound Interface messages in order to retrieve data to acknowledge or to close the message.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 200 | Entity Updated. |
|  | 404 | Not Found. Please check your URL and try again. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a specific Outbound Interface record by XDOC number

https://sistestapi.snapfulfil.net/api/snapoutbound?$filter=startswith(XDoc,%20’{{xdoc}})

Example response:

{  
 "Host": "HOST\_API",  
 "XDoc": "OUA0000445",  
 "Transaction": "STOCK\_MOVE",  
 "Key": "Site="0002" Type="SREG" Move="2RG0000002" Line="JGKM3D6KC7"",  
 "Batch": null,  
 "DateCreated": "2018-10-24T10:25:40",  
 "DateProcessed": null,  
 "Stage": "00"  
}

#### GET the next open Outbound Interface record

https://sistestapi.snapfulfil.net/api/snapoutbound/next

Example response:

{  
 "Host": "HOST\_API",  
 "XDoc": "OUA0000445",  
 "Transaction": "STOCK\_MOVE",  
 "Key": "Site="0002" Type="SREG" Move="2RG0000002" Line="JGKM3D6KC7"",  
 "Batch": null,  
 "DateCreated": "2018-10-24T10:25:40",  
 "DateProcessed": null,  
 "Stage": "00"  
}

#### PUT an Outbound Interface record to indicate it has been processed

https://sistestapi.snapfulfil.net/api/snapoutbound/{{xdoc}}

### System Query Options

The GET operation for the Snap Lookups listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top Outbound Interface 5 records

https://sistestapi.snapfulfil.net/api/SnapOutbound?$top=5

#### GET the top 5 Outbound Interface records ordered by transaction

https://sistestapi.snapfulfil.net/api/SnapOutbound?$top=5&orderby=Transaction

Example response:

{  
 "Host": "HOST\_API",  
 "XDoc": "OUA0000445",  
 "Transaction": "STOCK\_MOVE",  
 ...  
 "DateCreated": "2018-10-24T10:25:40",  
 "DateProcessed": null,  
 "Stage": "00"  
}

#### GET all Outbound Interface messages starting with “DESP”

https://sistestapi.snapfulfil.net/api/SnapOutbound?$filter=startswith(Transaction,%20'DESP')

### Data Model

#### SnapOutbound Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Host | Host Name | String | 15 |  |
| XDoc | Task ID | String | 10 |  |
| Transaction | Type of Message (STOCK\_MOVE, DESPATCH, RECEIPT) | String | 15 |  |
| Key | Contains Movement data based on message, including Task ID | String | 100 |  |
| Batch | API Ref Number (SnapFulfil Generated) | String | 30 |  |
| DateCreated | Date the record was created | DateTime |  |  |
| DateProcessed | Date the record was processed | DateTime |  |  |
| Stage | Stage of the Record | String | 2 |  |

## Snap WebHook

As an alternative to fetching Outbound Interface records from the Outbound Interface endpoint, SnapFulfil can be configured to POST the data to a pre-configured Host URL.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

If SnapFulfil receives any response other than **200** from the host system, the process will stop on error and the record that prompted the failed response will be left at ‘processing’ status and resent on the next pass. No further records will be sent until the next pass.

An alert message will be raised in SnapFulfil giving the statusCode and statusMessage to allow a supervisory user to fix any issues.

If you would like to configure webhooks within SnapFulfil, please contact your Project Manager or the SnapFulFil Service Desk.

### Usage

Each request is identical in format, with the **transaction** field denoting the type of operation that triggered the webhook, and the **message** section giving details of the change.

In the below example, a DESPATCH operation occurred, with shipment “D17-00006” moving to stage 91.

{  
 "transaction": "DESPATCH",  
 "message": "Shipment="D17-00006" Stage="91""  
}

The response from the subscriber must be in the below format.

{  
  
"statusCode": "200",  
  
"statusMessage":"OK"  
  
}

### Data Model

#### Webhook Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| transaction | The type of transaction from SnapFulfil | String |  |  |
| message | Data from the transaction such as Shipment or Receipt ID and Stage | String |  |  |

# Administrative & Tasks

The Administrative & Tasks are as follows:

* Tasks
* Tasks Summary
* Tasks Receipt
* Tasks Shipment
* Snap Lookups

## Tasks

The Tasks endpoint provides a high level view of Tasks within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| Closed Receipt Summary |  |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| GET | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and Permissions and try again. |
| PUT | 405 | Method not Allowed. |
| POST | 405 | Method not Allowed. |
| DELETE | 405 | Method not Allowed. |

### Usage

#### GET a specific task

https://sistestapi.snapfulfil.net/api/tasks/{{key}}

Example response:

{  
 "Site": "0001",  
 "TaskType": "PUTS",  
 "TaskId": "APICONSIGNMENT",  
 "Key": "PUTS000001",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90",  
 "StockMovements": [  
 {  
 "SiteId": "0001",  
 "MoveType": "PUTS",  
 "MoveId": "PUTS000001",  
 "MoveLineId": "K14C9KEXET",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90"  
 }  
 ]  
}

#### GET all tasks for a Shipment

https://sistestapi.snapfulfil.net/api/tasks/shipments/{{Key}}

#### GET all tasks for a Receipt

https://sistestapi.snapfulfil.net/api/tasks/receipts/{{Key}}

#### GET all tasks for a Pick Group

https://sistestapi.snapfulfil.net/api/tasks/pickgroup/{{Key}}

### System Query Options

#### GET the top 10 Task records

https://sistestapi.snapfulfil.net/api/tasks?$top=10

#### GET the top 10 Task records order by ‘TaskType’

https://sistestapi.snapfulfil.net/api/tasks?$top=10&orderby=TaskType

#### GET top 10 Task records where ‘TaskType’ starts with ‘SP’

https://sistestapi.snapfulfil.net/api/tasks?$filter=startswith(TaskType,'SP')&$top=10

### Data Model

#### Tasks Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Site | Site | String | 15 |  |
| TaskType | Task Type | String | 5 |  |
| TaskId | Task ID | String | 10 |  |
| Key | Task | String | 10 |  |
| BizId | Biz ID | String | 15 |  |
| Owner | Owner of Task | String | 15 |  |
| Status | Status | String | 2 |  |
| Class | Class | String | 30 |  |
| Category | Category | String | 3 |  |
| RefType | Reference Type | String | 2 |  |
| Rule | Rule | String | 30 |  |
| Priority | Priority | String | 2 |  |
| FromState | From State | String | 1 |  |
| FromFacility | From Facility | String | 15 |  |
| FromZone | From Zone | String | 15 |  |
| FromBay | From Bay | String | 15 |  |
| ToState | To State | String | 1 |  |
| ToFacility | To Facility | String | 15 |  |
| ToZone | To Zone | String | 15 |  |
| ToBay | To Bay | String | 15 |  |
| Bays | Task Bays | String | 250 |  |
| AssignType | Assignment Type | String | 2 |  |
| AssignRef | Assignment Reference | String | 20 |  |
| Slot | Slot/Location | String | 15 |  |
| CDigit | Check Digit | String | 3 |  |
| SKU | SKU | String | 30 |  |
| STU | StU | String | 20 |  |
| STT | StT | String | 20 |  |
| Quantity | Quantity | Decimal |  |  |
| Volume | Volume | Decimal |  |  |
| Weight | Weight | Decimal |  |  |
| Height | Height | Decimal |  |  |
| Job | Job Ref | String | 15 |  |
| Operator | Operator | String | 10 |  |
| Team | Team | String | 10 |  |
| FLT | FLT | String | 10 |  |
| FLTGroup | FLT Group | String | 10 |  |
| Device | Device | String | 10 |  |
| DeviceGroup | Device Group | String | 10 |  |
| NextType | Next Task Type | String | 5 |  |
| NextTask | Next Task Id | String | 10 |  |
| LinesNew | Lines New | Decimal |  |  |
| LinesCurren | Lines Current | Decimal |  |  |
| LinesActioned | Lines Actioned | Decimal |  |  |
| Supervisor | Supervisor | String | 15 |  |
| Reason | Reason Code | String | 4 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateReleased | Date Released | DateTime |  |  |
| DateAssigned | Date Assigned | DateTime |  |  |
| DateSuspended | Date Suspended | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Session | Session | String | 10 |  |
| ServiceTime | Service Time | Decimal |  |  |
| WorkTime | Work Time | Decimal |  |  |
| SuspensionTime | Suspension Time | Decimal |  |  |
| StdTime | Standard Time | Decimal |  |  |
| Variance | Variance Flag | String | 1 |  |
| Overdue | Overdue Flag | String | 1 |  |
| Printed | Print Flag | String | 1 |  |
| Stage | Stage | String | 2 |  |
| StockMovements | *See Stock Movements Data Model* |  |  |  |

## Tasks Summary

The Tasks Summary endpoint provides a high level view of Tasks within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a summary of all Tasks

https://sistestapi.snapfulfil.net/api/taskssummary

#### GET a summary of all Tasks by type

https://sistestapi.snapfulfil.net/api/tasksummary/{{type}}

### System Query Options

The GET operation for the Tasks Summary listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 Task Summary records

https://sistestapi.snapfulfil.net/api/TasksSummary?$top=5

#### GET the top 5 Task Summary records ordered by Type

https://sistestapi.snapfulfil.net/api/TasksSummary?$top=5&orderby=Type

#### GET a summary of all Tasks where the Class ends with “ITEM”

https://sistestapi.snapfulfil.net/api/TasksSummary?$filter=endswith(Class,%20'ITEM')

### Data Model

#### Task Summary Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Site | Site ID | String | 15 |  |
| Type | Task Type | String | 5 |  |
| Biz | Biz ID | String | 15 |  |
| Owner | Owner ID | String | 15 |  |
| Status | Status of Task | String | 2 |  |
| Class | Class of Task | String | 30 |  |
| Stage | Stage of Task | String | 2 |  |
| HourClosed | Closed in the last hour | Integer |  |  |
| Count | How many Tasks? | Integer |  |  |

## Tasks Receipt

The Tasks Receipt endpoint provides access to view Receipt Tasks within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Tasks on a specific Receipt

https://sistestapi.snapfulfil.net/api/tasksreceipt?ReceiptId={{receiptid}}

Example response:

{  
 "Site": "0001",  
 "TaskType": "PUTS",  
 "TaskId": "APICONSIGNMENT",  
 "Key": "PUTS000001",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90",  
 "StockMovements": [  
 {  
 "SiteId": "0001",  
 "MoveType": "PUTS",  
 "MoveId": "PUTS000001",  
 "MoveLineId": "K14C9KEXET",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90"  
 }  
 ]  
}

#### GET all Tasks of a certain Type on a specific Receipt

https://sistestapi.snapfulfil.net/api/tasksreceipt?ReceiptId={{receiptid}}&TaskType={{tasktype}}

### Data Model

#### Tasks Receipt Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Site | Site ID | String | 15 |  |
| TaskType | Type of Task | String | 5 |  |
| TaskId | Null | String | 10 |  |
| Key | Receipt ID | String | 20 |  |
| BizId | Biz ID | String | 15 |  |
| Owner | Owner ID | String | 15 |  |
| Status | Status of Task | String | 2 |  |
| Class | Class of Task | String | 30 |  |
| Category | Category | String | 3 |  |
| RefType | Type of Reference | String | 2 |  |
| Rule | Rule triggered | String | 30 |  |
| Priority | Priority of Task | String | 2 |  |
| FromState | W / Z | String | 1 |  |
| FromFacility | From Warehouse | String | 15 |  |
| FromZone | From Zone | String | 15 |  |
| FromBay | From Bay | String | 15 |  |
| ToState | W / Z | String | 1 |  |
| ToZone | To Zone | String | 15 |  |
| ToBay | To Bay | String | 15 |  |
| Bays | Bays | String | 15 |  |
| AssignType | OC / IC | String | 2 |  |
| AssignRef | Reference | String | 20 |  |
| Slot | Slot | String | 15 |  |
| CDigit | Check Digit | String | 3 |  |
| SKU | Product ID | String | 30 |  |
| STU | StU Record | String | 20 |  |
| STT | STT | String | 3 |  |
| Quantity | Quantity | Decimal |  |  |
| Volume | Volume | Decimal |  |  |
| Weight | Weight | Decimal |  |  |
| Height | Height | Decimal |  |  |
| Job | Job Reference | String | 15 |  |
| Operator | Operator who carried out the Task | String | 10 |  |
| Team | Team the Operator belonged to | String | 10 |  |
| FLT | FLT | String | 10 |  |
| FLTGroup | FLT Group | String | 10 |  |
| Device | RF Device | String | 10 |  |
| DeviceGroup | Device Group | String | 10 |  |
| NextType | Next Type | String | 5 |  |
| NextTask | Next Task in Sequence | String | 10 |  |
| LinesNew | New Lines | Decimal |  |  |
| LinesCurrent | Current Lines | Decimal |  |  |
| Linesactioned | Completed Lines | Decimal |  |  |
| Supervisor | Supervisor Intervention | String | 15 |  |
| Reason | Reason Code | String | 4 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateReleased | Date Released | DateTime |  |  |
| DateAssigned | Date Assigned | DateTime |  |  |
| DateSuspended | Date Suspended | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Session | Session ID | String | 10 |  |
| ServiceTime | How long the Task was in progress for | Decimal |  |  |
| WorkTime | How Long the operator worked on the Task | Decimal |  |  |
| Suspension Time | How long the task remained suspended | Decimal |  |  |
| StdTime | Expected time for this task type to take to complete | Decimal |  |  |
| Variance | Was there a variance? 0 /1 | String | 1 |  |
| Overdue | Was it overdue? 0 / 1 | String | 1 |  |
| Printed | Printed | String | 1 |  |
| Stage | Stage of Task | String | 2 |  |

### Tasks Receipt (Stock Movements) Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SiteId | Site ID | String | 15 |  |
| MoveType | Task Type | String | 5 |  |
| MoveId | Task ID | String | 10 |  |
| MoveLineId | Internal SnapFulfil ID | String | 10 |  |
| BizId | Biz ID | String | 15 |  |
| Status | Status of Movement | String | 2 |  |
| Class | Class of Movement | String | 30 |  |
| Reference | Reference of Movement | String | 20 |  |
| SKUId | Product ID | String | 30 |  |
| QtyTasked | Quantity Tasked | Decimal |  |  |
| QtyActioned | Quantity Actioned | Decimal |  |  |
| Unit | Unit of Measure | String | 3 |  |
| BoxQty | Box Quantity | Decimal |  |  |
| FromState | From State | String | 1 |  |
| FromSite | From Site Id | String | 15 |  |
| FromFacility | From Warehouse | String | 15 |  |
| FromZone | From Zone | String | 15 |  |
| FromBay | From Bay | String | 15 |  |
| FromSection | From Section | String | 15 |  |
| FromSlot | From Location | String | 15 |  |
| FromStU | From StU | String | 20 |  |
| FromStT | From StT | String | 3 |  |
| FromOwner | From Owner | String | 15 |  |
| FromStatus | From Status | String | 2 |  |
| FromAssignType | From Assign Type | String | 2 |  |
| FromAssignRef | From Assign Ref | String | 20 |  |
| FromLoad | From Load | String | 20 |  |
| FromStockID | From Internal Snap ID | String | 10 |  |
| ToState | To State | String | 1 |  |
| ToSite | To Site ID | String | 15 |  |
| ToFacility | To Warehouse | String | 15 |  |
| ToZone | To Zone | String | 15 |  |
| ToBay | To Bay | String | 15 |  |
| ToSection | To Section | String | 15 |  |
| ToSlot | To Location | String | 15 |  |
| ToStU | To StU | String | 20 |  |
| ToStT | To StT | String | 3 |  |
| ToOwner | To Owner | String | 15 |  |
| ToStatus | To Status | String | 2 |  |
| ToAssignType | To Assign Type | String | 2 |  |
| ToAssignRef | To Assign Ref | String | 20 |  |
| ToLoad | To Load | String | 20 |  |
| ToStockId | To Internal Snap ID | String | 10 |  |
| Sequence | Sequence | Decimal |  |  |
| JobId | Job ID | String | 15 |  |
| JobSequence | Job Sequence | Decimal |  |  |
| Operator | Operator | String | 10 |  |
| Supervisor | Supervisor Intervention | String | 15 |  |
| ReasonId | Reason Code | String | 4 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Stage | Stage | String | 2 |  |

## Tasks Shipment

The Tasks Shipment endpoint provides access to view Shipment Tasks within SnapFulfil.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET all Tasks on a specific Shipment

https://sistestapi.snapfulfil.net/api/tasksshipment?ShipmentId={{shipmentid}}

Example response:

{  
 "Site": "0001",  
 "TaskType": "SPI",  
 "TaskId": "APISHIPMENT",  
 "Key": "SPI0000001",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90",  
 "StockMovements": [  
 {  
 "SiteId": "0001",  
 "MoveType": "SPI",  
 "MoveId": "SPI0000001",  
 "MoveLineId": "K14C9KEXET",  
 "BizId": "BIZ1",  
 ...  
 "Stage": "90"  
 }  
 ]  
}

#### GET all Tasks of a certain Type on a specific Shipment

https://sistestapi.snapfulfil.net/api/tasksshipment?ShipmentId={{shipmentid}}&TaskType={{type}}

### Data Model

#### Tasks Shipment Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Site | Site ID | String | 15 |  |
| TaskType | Type of Task | String | 5 |  |
| TaskId | Null | String | 10 |  |
| Key | Task ID | String | 20 |  |
| BizId | Biz ID | String | 15 |  |
| Owner | Owner ID | String | 15 |  |
| Status | Status of Task | String | 2 |  |
| Class | Class of Task | String | 30 |  |
| Category | Category | String | 3 |  |
| RefType | Type of Reference | String | 2 |  |
| Rule | Rule triggered | String | 30 |  |
| Priority | Priority of Task | String | 2 |  |
| FromState | W / Z | String | 1 |  |
| FromFacility | From Warehouse | String | 15 |  |
| FromZone | From Zone | String | 15 |  |
| FromBay | From Bay | String | 15 |  |
| ToState | W / Z | String | 1 |  |
| ToZone | To Zone | String | 15 |  |
| ToBay | To Bay | String | 15 |  |
| Bays | Bays | String | 15 |  |
| AssignType | OC / IC | String | 2 |  |
| AssignRef | Reference | String | 20 |  |
| Slot | Slot | String | 15 |  |
| CDigit | Check Digit | String | 3 |  |
| SKU | Product ID | String | 30 |  |
| STU | StU Record | String | 20 |  |
| STT | STT | String | 3 |  |
| Quantity | Quantity | Decimal |  |  |
| Volume | Volume | Decimal |  |  |
| Weight | Weight | Decimal |  |  |
| Height | Height | Decimal |  |  |
| Job | Job Reference | String | 15 |  |
| Operator | Operator who carried out the Task | String | 10 |  |
| Team | Team the Operator belonged to | String | 10 |  |
| FLT | FLT | String | 10 |  |
| FLTGroup | FLT Group | String | 10 |  |
| Device | RF Device | String | 10 |  |
| DeviceGroup | Device Group | String | 10 |  |
| NextType | Next Type | String | 5 |  |
| NextTask | Next Task in Sequence | String | 10 |  |
| LinesNew | New Lines | Decimal |  |  |
| LinesCurrent | Current Lines | Decimal |  |  |
| Linesactioned | Completed Lines | Decimal |  |  |
| Supervisor | Supervisor Intervention | String | 15 |  |
| Reason | Reason Code | String | 4 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateReleased | Date Released | DateTime |  |  |
| DateAssigned | Date Assigned | DateTime |  |  |
| DateSuspended | Date Suspended | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Session | Session ID | String | 10 |  |
| ServiceTime | How long the Task was in progress | Decimal |  |  |
| WorkTime | How long the Operator worked on the Task | Decimal |  |  |
| Suspension Time | How long the Task remained suspended | Decimal |  |  |
| StdTime | Expected time for this Task Type to take to complete | Decimal |  |  |
| Variance | Was there a variance? 0 /1 | String | 1 |  |
| Overdue | Was it overdue? 0 / 1 | String | 1 |  |
| Printed | Printed | String | 1 |  |
| Stage | Stage of Task | String | 2 |  |

### Tasks Shipment (Stock Movements) Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| SiteId | Site ID | String | 15 |  |
| MoveType | Task Type | String | 5 |  |
| MoveId | Task ID | String | 10 |  |
| MoveLineId | Internal SnapFulfil ID | String | 10 |  |
| BizId | Biz ID | String | 15 |  |
| Status | Status of Movement | String | 2 |  |
| Class | Class of Movement | String | 30 |  |
| Reference | Reference of Movement | String | 20 |  |
| SKUId | Product ID | String | 30 |  |
| QtyTasked | Quantity Tasked | Decimal |  |  |
| QtyActioned | Quantity Actioned | Decimal |  |  |
| Unit | Unit of Measure | String | 3 |  |
| BoxQty | Box Quantity | Decimal |  |  |
| FromState | From State | String | 1 |  |
| FromSite | From Site ID | String | 15 |  |
| FromFacility | From Warehouse | String | 15 |  |
| FromZone | From Zone | String | 15 |  |
| FromBay | From Bay | String | 15 |  |
| FromSection | From Section | String | 15 |  |
| FromSlot | From Location | String | 15 |  |
| FromStU | From StU | String | 20 |  |
| FromStT | From StT | String | 3 |  |
| FromOwner | From Owner | String | 15 |  |
| FromStatus | From Status | String | 2 |  |
| FromAssignType | From Assign Type | String | 2 |  |
| FromAssignRef | From Assign Ref | String | 20 |  |
| FromLoad | From Load | String | 20 |  |
| FromStockID | From Internal Snap ID | String | 10 |  |
| ToState | To State | String | 1 |  |
| ToSite | To Site ID | String | 15 |  |
| ToFacility | To Warehouse | String | 15 |  |
| ToZone | To Zone | String | 15 |  |
| ToBay | To Bay | String | 15 |  |
| ToSection | To Section | String | 15 |  |
| ToSlot | To Location | String | 15 |  |
| ToStU | To StU | String | 20 |  |
| ToStT | To StT | String | 3 |  |
| ToOwner | To Owner | String | 15 |  |
| ToStatus | To Status | String | 2 |  |
| ToAssignType | To Assign Type | String | 2 |  |
| ToAssignRef | To Assign Ref | String | 20 |  |
| ToLoad | To Load | String | 20 |  |
| ToStockId | To Internal Snap ID | String | 10 |  |
| Sequence | Sequence | Decimal |  |  |
| JobId | Job ID | String | 15 |  |
| JobSequence | Job Sequence | Decimal |  |  |
| Operator | Operator | String | 10 |  |
| Supervisor | Supervisor Intervention | String | 15 |  |
| ReasonId | Reason Code | String | 4 |  |
| DateCreated | Date Created | DateTime |  |  |
| DateClosed | Date Closed | DateTime |  |  |
| Stage | Stage | String | 2 |  |

## Snap Lookups

SnapFulfil validates certain values when they are interfaced into the system. This means that the correct code must be sent for these values. Fields where these specific value are expected are highlighted in the data models as ‘Snaplookup’ with the lookup code afterwards. The Snap Lookups endpoint returns the possible values for the lookup code.

### Supported Methods

|  |  |
| --- | --- |
| GET |  |
| POST |  |
| PUT |  |
| DELETE |  |

### Expected Return Values

|  |  |  |
| --- | --- | --- |
| **Method** | **Value** | **Explanation** |
| **GET** | 200 | Data returned OK. |
|  | 401 | Not Authorised. Please check your credentials and try again. |
|  | 404 | Not Found. Please check your URL and try again. |
| **PUT** | 405 | Method not Allowed. |
| **POST** | 405 | Method not Allowed. |
| **DELETE** | 405 | Method not Allowed. |

### Usage

#### GET a specific Snap Lookup

https://sistestapi.snapfulfil.net/api/snaplookups/{{keyword}}

Example response:

[  
  
 {  
 "Keyword": "SHIPMETHOD",  
 "KeyValue": "CL",  
 ...  
 "Text": "Click and Collect",  
 "Group": null  
 },  
   
]

### System Query Options

The GET operation for the Snap Lookups listing supports the following OData System Query Options:

* $top
* $skip
* $filter
* $orderby

#### GET the top 5 SnapLookup records

https://sistestapi.snapfulfil.net/api/snaplookups?$top=5

#### GET the top 5 SnapLookup records ordered by Keyword

https://sistestapi.snapfulfil.net/api/snaplookups?$top=5&orderby=Keyword

#### GET Snap Lookup records where the Keyword starts with “PRINT”

https://sistestapi.snapfulfil.net/api/snaplookups?$filter=startswith(Keyword,%20'PRINT')

### Data Model

#### Snap Lookup Data Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Detail** | **Datatype** | **Length** | **Mandatory** |
| Keyword | LOOKUP | String | 30 |  |
| KeyValue | Value within the Lookup | String | 30 |  |
| Language | Language | String | 10 |  |
| Text | Description | String | 100 |  |
| Group | Group | String | 15 |  |