



Newgistics Fulfillment API Specification

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Newgistics

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Document Revision History

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1 Introduction

This document describes the technical specifications for client API integration with Newgistics Fulfillment for order export, shipping (tracking data) Import and inventory Import.

2 Accessing the API

The Newgistics Fulfillment API is accessible via HTTP requests to the host. For secure connections, access over SSL is also available using the standard port 443, using the URL provided by Newgistics. There are a number of services available to submit and retrieve different types of data, which are described in detail later in this document. There are two types of HTTP requests that are made to the Newgistics Fulfillment API for retrieving data.

2.1 GET Requests

Some API services are queried by making an HTTP GET request, passing parameters in the query string of the request URL. Services that use GET requests typically return data based on one or more search parameters. All parameter values should be properly URL encoded if required. The response will include XML content, encapsulating the data found matching the parameters specified by the requesting system. There is no XML post required.

2.2 POST Requests

API services that perform actions against the Newgistics Fulfillment system, such as posting a shipment, will require the requesting system to post the action data via the HTTP POST method. In the body of the POST request, the requesting system will include XML data specific to the call being made. After processing the request received, the Newgistics Fulfillment system will return a response indicating any errors encountered while fulfilling the request, as well as any response data relevant to the request made.

2.3 API Keys

In order to access any of the Newgistics Fulfillment API services, you will need to obtain an API key from your account manager. This key is a unique identifier that links your requests to your account in the Newgistics Fulfillment system. Your API key should be treated with the same security precautions as your account password, as this key provides access to all system data available via the Newgistics Fulfillment API.

3 Methods

Method Name	Description	Request URL	Method
Post Products	Client submits product catalog or update to	/post_products.aspx	POST
	WMS system		
Search Products	Client retrieves a list of products based on	/products.aspx	GET
	one or more parameters		
Post Manifests	Client submits manifest to WMS system	/post_manifests.aspx	POST
Cancel Manifest	Client updates the status of a manifest to	/cancel_manifest.aspx	GET
	CANCELED		

Method Name	Description	Request URL	Method
Search Manifests	Client retrieves a list of manifests based on	/manifests.aspx	GET
	one or more parameters		
Post Shipments	Client submits orders to WMS system	/post_shipments.aspx	POST
Shipment Contents	Client modifies orders by adding or	/update_shipment_contents.aspx	POST
<u>Update</u>	removing records		
Shipment Address	Client modifies consumer address for	/update_shipment_address.aspx	POST
<u>Update</u>	orders		
Cancel Shipment	Client updated the status of a shipment to	/cancel_shipment.aspx	GET
	CANCELED		
Search Shipments	Client retrieves a list of shipments based on	/shipments.aspx	GET
	one or more parameters		
Inbound Returns	Client submits incoming returns by RMA ID	/post_inbound_returns.aspx	POST
	to the WMS system		
<u>Returns</u>	Client retrieves a list of returns received by	/returns.aspx	GET
	Newgistics Fulfillment for a given date/time		
	range or a specific return by order ID,		
<u>Inventory</u>	Client retrieves current inventory quantities	/inventory.aspx	GET
	for one or all products		
Inventory Detail	Client retrieves individual inventory	/inventory_details.aspx	GET
	transactions, determined by search		
	parameters		

4 Post Products

Each client maintains a list of products (a product catalog) in the Newgisitcs Fulfillment system. Manifest and Shipment (order) items are derived from this catalog. The Post Products API is used to create and update the Product catalog. If the SKU submitted does not exist for the account specified, a new product record will be created. If it does already exist, the current product record will be updated using values from the fields provided. With the exception of the "isActive" element, any empty elements will clear the value for the corresponding field, if one exists.

NOTE: New Products must be added to the system before they can be included in a manifest or shipment (order).

4.1 Post Products Request Example

4.1.1 Post Products Request Elements

Element Name	Required	Description
products	Yes	All product elements being submitted in the API request
		apiKey – Required attribute; 32 character API key provided by Newgistics Fulfillment
product	Yes	Contains all the child elements about the product to be submitted to Newgistics Fulfillment
sku	Yes	The product SKU of the line item, as entered in the client catalog
description	No	A short description (up to 100 characters) of the product; this description is included on all consumer packing slips
ирс	No	The barcode UPC number
supplier	No	The name of the vendor or manufacturer from which this product originates; used for searching and grouping products throughout the Newgistics Fulfillment system
supplierCode	No	An optional secondary identifier used by the supplier for this product
category	No	The name of a category which is used to search and group products throughout the Newgistics Fulfillment system
height	No	The physical height of this product, in inches; fractions are not permitted
width	No	The physical width of this product, in inches; fractions are not permitted
depth	No	The physical depth of this product, in inches; fractions are not permitted
value	No	The monetary value of this product; used primarily for reporting purposes
retailValue	No	The retail monetary value of this product; used primarily for reporting purposes
shipFrom	No	Indicates from where a product will ship; possible values are <i>Newgistics, supplier,</i> and <i>client</i> .
		NOTE : If <i>supplier</i> or <i>client</i> is specified, the product will not be included in any shipments sent from a Newgistics Fulfillment facility.
countryOfOrigin	No	Either the full name or the two letter ISO code for the country of origin or manufacture for the product record being updated
isActive	No	A flag indicating whether or not this product is marked as active in the Newgistics Fulfillment system; if this field is left blank, the product will automatically be marked active if it is being created, or the existing value will not change if the product is being updated
customFields	No	An element containing any number of custom fields for this product; custom fields can be used for your own reference, or can be used by Newgistics Fulfillment in some cases, if necessary

4.2 Post Products Response Example

4.2.1 Post Products Response Elements

Element Name	Description
products	All product elements that were successfully processed
product	Product attributes identifying the product that was processed
	id – The internal product ID used by the Newgistics Fulfillment system
	sku – The SKU that was submitted and used to reference the product to be updated
	status – Indicates whether a new product was added ("created") or an existing product was updated ("updated")
	[VALUES: Created, Updated]
warnings	Zero or more warning elements, describing any important information about the data received
warning	An individual warning notification
	sku – The SKU of the product which the warning references; if no SKU was provided, the numeric position of the product element is used instead
errors	Zero or more <i>error</i> elements, describing any failures encountering while processing the request
error	An individual error notification
	sku – The SKU of the product which the error references; if no SKU was provided, the numeric position of the product element is used instead

5 Search Products

The search products API call retrieves a list of products based on the search filters provided.

5.1 Search Products Request Example

The Search Products GET request uses a simple URL request. There is no XML post required. The following elements are included in the URL string to return product data for the SKU, Supplier, or Category sent.

NOTE: Only one search parameter can be sent at a time.

5.1.1 Search Products Request Elements

Element Name	Required	Description:
key	Yes	32 character API key provided by Newgistics Fulfillment
sku	No	The SKU for the product

supplier	No	The name of the supplier to be used to select the products being searched; this must match the company name of the supplier exactly as it appears in the client dashboard
category	No	The name of the product category to be used to select the products being searched; this must match the category name exactly as it appears in the client dashboard
includeInactive	No	Filters the results to include products that have been deactivated; if not specified, inactive products will not be returned

5.2 Search Products Response Example

5.2.1 Search Products Response Elements

Element Name	Description
products	All the <i>product</i> elements corresponding to matched products
product	All the data pertaining to an individual product returned by the call
	id – The Newgistics-assigned product ID
sku	The product SKU, as entered in the client catalog
description	A short description (up to 100 characters) of the product; this description is included on all
	consumer packing slips
ирс	The barcode UPC number
supplier	The company name of the supplier to which this product is assigned
category	The category to which this product is assigned
height	The height of the product as entered into the system, in inches
width	The width of the product as entered into the system, in inches
depth	The depth of the product as entered into the system, in inches
value	The value provided for this product
retailValue	The retail value provided for this product
isActive	Indicates whether or not this product is currently marked as active in the Newgistics Fulfillment
	system
customFields	An element containing all individual custom fields for this product; each child element of this is
	a name/value pair containing an additional field assigned to this product

6 Post Manifests

The Post Manifests API call allows clients to submit manifests ahead of product shipments to the Newgistics Fulfillment system by using the XML schema specified below. Shipments without manifests may not be received. Manifests are required to arrive 48 hours ahead of shipments. Adjustments to manifests at the time of receiving may incur additional charges.

NOTE: Custom XML schema may be accepted. Please contact the Newgistics Fulfillment technology group to arrange for a custom XML schema implementation. Additional Integration charges apply.

6.1 Post Manifests Request Example

```
<?xml version="1.0" encoding="UTF-8"?>
-<manifests>
       -<manifest>
               -<manifest slip>
                      <manifest po>863343</manifest po>
                      <manifest name>MAGICBOX (XML Import)/manifest name>
                      <warehouse_id>157/ warehouse_id >
                      <status>SHIPPED</status>
                      <ship_date/>
                      <shipped via/>
                      <tracking no>1ZE20Y930340512693</tracking no>
                      <estimated arrival date>8/5/2013</estimated arrival date>
                      <pallet count>0/ pallet count >
                      <carton count>1</carton count>
                      <weight/>
                      <notes/>
              </manifest slip>
               -<contents>
                      -<item>
                             <sku>52560</sku>
                             <description>Cleanser 4oz.</description>
                             <original_qty>3</original_qty>
                      </item>
              </contents>
       </manifest>
</manifests>
```

6.1.1 Post Manifests Request Elements

Element Name	Required	Description
manifests	Yes	All manifest elements being submitted for receiving in a particular incoming shipment
		apiKey – Required attribute; 32 character API key provided by Newgistics Fulfillment

Element Name	Required	Description	
manifest Yes		All child elements in the manifest being submitted to Newgistics Fulfillment for	
		receiving.	
manifest_slip	Yes	The manifest metadata separate from the contents of the manifest	
manifest_po	No	The client-specified identifier for the purchase order	
manifest_name	No	A client-assigned identifier for the manifest	
warehouse_id	No	The numeric "sbell@eanesisd.net" <sbell@eanesisd.net> identifier for a</sbell@eanesisd.net>	
		Newgistics Fulfillment Facility (See <u>Appendix C – Newgistics Fulfillment Facilities</u>)	
status		SHIPPED is the only status option when posting manifests. Otherwise, the status	
		defaults to CREATED.	
ship_date	No	The date on which the shipment will be sent	
shipped_via	No	The carrier used to send the shipment.	
		[VALUES: USPS, UPS, FedEx, DHL, and Freight] Other values will be ignored.	
tracking_no	No	Carrier assigned tracking number	
created_date	No	The date-time stamp that the manifest is added to the system	
estimated_arrival_date	No	The date the shipment is expected to arrive at the Newgistics Fulfillment facility	
pallet_count	No	The number of pallets in this shipment; if a value is specified here, the	
		carton_count element will be ignored	
carton_count	No	The number of cartons in this shipment; either <i>no_pallets</i> or <i>no_cartons</i> may be	
		specified, but not both	
weight	No	The total weight of the shipment, in decimal pounds	
notes	No	Any notes offering instructions to the receiving team	
contents	Yes	The item elements comprising the contents of the shipment	
item	Yes	Represents an individual line item for this manifest	
sku	Yes	The product SKU of the line item, as entered in the client catalog	
description	No	The description of the product on this line item	
		NOTE : Only used if the product does not yet exist in the Newgistics Fulfillment	
		system and needs to be created	
original_qty	Yes	The number of products in the shipment with identified the SKU. Value must be	
		an integer greater than zero	
received_qty	No	The number of items by sku that are received in the shipment	

6.2 Post Manifests Response Example

6.2.1 Post Manifests Response Elements

Element Name	Description	
response	Element encapsulating entirety of the XML response	
manifests	One or more manifest elements containing details about the manifests that were sent	
manifest	A record containing the details of a manifest	
	id – The manifest ID generated by the Newgistics Fulfillment system to reference this manifest	

Element Name	Description
	<pre>manifest_po - The client-specified identifier for the purchase order given for a shipment in the request data</pre>
warnings	Zero or more <i>warning</i> elements, which describe any non-critical issues that were encountered in processing the request
errors	Zero or more <i>error</i> elements, which describe any critical problems that were encountered in processing in the request

7 Cancel Manifest

The Cancel Manifest API call updates the status of a manifest to CANCELED, if it is currently in a state allowing cancelations.

7.1 Cancel Manifest Request Example

The Cancel Manifest Request uses a simple URL request. There is no XML post required. Either the purchase order number or Newgistics Fulfillment's manifest ID must be included in the URL request.

7.1.1 Cancel Manifest Request Elements

Element Name	Required	Description	
key	Yes	32 character API key provided by Newgistics Fulfillment	
manifestID	Include one	The Newgistics-assigned numeric manifest ID;	
poID		The client-generated purchase order identifier sent when the manifest was submitted	
		to Newgistics Fulfillment	

7.2 Cancel Manifest Response Example

7.2.1 Cancel Manifest Response Elements

Element Name	Description
response	Root element encapsulating entirety of the XML response
success	This will be present with a value of "true" if the manifest was successfully canceled
errors	This element contains a list of zero or more <i>error</i> elements, which describe any critical
	problems that were encountered canceling the manifest

8 Search Manifests

The search manifests API call retrieves a list of manifests based on the search filters provided. If searching by manifest ID, all other parameters will be ignored. Otherwise, each parameter adds a new filter to the search, allowing all parameters to be combined.

8.1 Search Manifests Request Example

The Search Manifest GET request uses a simple URL request. There is no XML post required. The following elements are included in the URL string to return Manifest data for criteria sent.

NOTE: Send either the Manifest ID <u>or</u> other criteria in the URL string. If a manifest ID is specified, all other criteria will be ignored

8.1.1 Search Manifests Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
manifestID	No	The Newgistics-assigned numeric manifest ID;
ро	No	The client-generated purchase order identifier sent when the manifest was submitted to Newgistics Fulfillment
warehouseID	No	If your products ship from more than one Newgistics Fulfillment warehouse, you may filter the search to a specific warehouse by including its ID here; see Appendix C for a list of warehouse IDs
status	No	Returns manifests matching this status
sku	No	Filters the search to include only manifests which contain this SKU
supplier	No	Filters the search to include only manifests which contain a product associated with this supplier
createdStartTimestamp	No	Filters the search to include manifests created at or after this date and time
createdEndTimestamp	No	Filters the search to include manifests created before this date and time
expectedArrivalEndTimestamp	No	Filters the search to include manifests expected to arrive at or before this date and time
expectedArrivalStartTimestamp	No	Filters the search to include manifests expected to arrive before this date and time
arrivalStartTimestamp	No	Filters the search to include manifests that arrived at or after this date and time
arrivalEndTimestamp	No	Filters the search to include manifests that arrived before this date and time
receivedStartTimestamp	No	Filters the search to include manifests where receiving was completed at or after this date and time
receivedEndTimestamp	No	Filters the search to include manifests where receiving was completed before this date and time
returnLineItems	No	If set to false, no line item data will be included; this can help reduce the amount of data returned when a large set of manifest data is being returned and line item details are unneeded. The default value is true.

Element Name	Required	Description
returnPdfScans	No	If set to true, any PDF packing slip scans captured at receiving will be returned. It is not recommended to enable this option if a large number of manifests are being returned, as the size of the response will grow rapidly and may fail entirely. The default value is false. See the pdfScan element
		description for encoding details.

8.2 Search Manifests Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<manifests>
   <manifest>
      <manifest_slip>
  <manifest_id>44354</manifest_id>
         <manifest_po>1046</manifest_po>
<manifest_name>00kisa serum (Duplicate of M44026)</manifest_name>
<destination_warehouse>Ontario, CA</destination_warehouse>
         <incoming_id /</pre>
         <status>RECEIVED</status>
         <shipped_date />
         <shipped_via />
         <tracking_no /> <created_date>2/16/2011 9:04 AM</created_date>
         <estimated_arrival_date</pre>
         <actual_arrival_date>2/16/2011 9:19 AM</actual_arrival_date>
<actual_received_date>2/16/2011 10:57 AM</actual_received_date>
<no_pallets>8</no_pallets>
         <no_cartons>0</no_cartons>
         <total_weight />
         <notes />
         <pdfScan />
      </manifest_slip>
      <contents>
         <item>
             <sku>H0600002.02</sku>
            <upc>898711002440</upc>
<upc>898711002440</upc>
<upc>eoriginal_qty>10000</original_qty>
<upc>received_qty>10008</received_qty>
<upc>variance>-8
<up>variance>-8
             <damaged_qty>0</damaged_qty>
         </item>
         <item>
            <sku>H0600004.03</sku>
<upc>898711002464</upc>
             <original_qty>25000</original_qty>
            <received_qty />
             <variance /
             <damaged_qty />
          </item>
      </contents>
   </manifest>
</manifests>
```

8.2.1 Search Manifests Response Elements

Element Name	Description		
manifests	All manifest elements that were returned for you search		
manifest	All the child elements describing the manifest that was matched		
manifest_slip	The manifest metadata separate from the contents of the manifest		
manifest_id	The numeric Newgistics identifier assigned to this manifest by Fulfillment, at the time it was		
	created		
manifest_po	The client-specified identifier for the purchase order		

Element Name	Description		
manifest_name	The descriptive name given to this manifest		
destination_warehouse	The name of the warehouse to which this shipment was sent		
status	The current status of this manifest; see Appendix E for possible values		
ship_date	The date on which the shipment was expected to be sent		
shipped_via	The carrier used to send the shipment. The possible values returned are: USPS, UPS, FedEx, DHL, and Freight		
tracking_no	The tracking number for the shipment		
created_date	The date and time at which this manifest was first created		
estimated_arrival_date	The date on which it was estimated that the shipment will arrive at the Newgistics Fulfillment facility		
actual_arrival_date	The date and time at which the shipment physically arrived at the Newgistics Fulfillment facility		
actual_received_date	The date and time at which the processing of the products in this shipment was completed		
	and the manifest was marked completed		
no_pallets	The number of pallets in this shipment		
no_cartons	The number of cartons in this shipment		
total_weight	The total weight of the shipment, in pounds		
notes	Any notes that were supplied when the manifest was created		
pdfScan	If the returnPdfScans parameter is enabled, this element contains the PDF data for any		
	packing slip scans that were captured; this data is represented using an ASCII base-64		
	encoding of the binary PDF data		
contents	This element contains all the <i>item</i> elements describing the contents of the shipment		
item	Represents an individual line item for this manifest		
sku	The SKU for the product described by this line item		
ирс	The UPC for the product on this line item		
description	The description of the product on this line item		
original_qty	The quantity that was expected to be received for this item		
received_qty	The actual quantity that was received for this item		
damaged_qty	The number of pieces that were arrived damaged, and not received to stock		
variance	The difference between the expected and received quantities		

9 Post Shipments

The post shipments API call allows clients to submit orders to the Newgistics Fulfillment system by describing the shipment using the XML schema specified below. Custom XML schema can be accepted, if using the Newgistics Fulfillment XML schema is not acceptable possible in your situation. Please contact the Newgistics Fulfillment technology group to arrange for a custom XML schema implementation. Note however, that extra integration charges may apply.

9.1 Post Shipments Request Example

```
<City>Aurora</City>
          <State>CO</State>
<Zip>80019</Zip>
<Country>US</Country>
          <Email>jdoe@newgistics.com</Email>
<Phone>(303)662-1041
          <Fax></Fax>
<IsResidential>YES</IsResidential>
     </CustomerInfo>
     <DropShipInfo>
           <CompanyName></CompanyName>
           <Address></Address>
           <City></City>
          <State></State>
<Zip></Zip>

</
     <ShipMethod>UPSGR</ShipMethod>
     <InfoLine></InfoLine>
<Reference1></Reference1>
     <Reference2></Reference2>
     <RequiresSignature>YES</RequiresSignature>
     <IsInsured></IsInsured>
     <InsuredValue></InsuredValue>
     <Customs_ShipmentContents></Customs_ShipmentContents>
     <Customs_DeclaredValue></Customs_DeclaredValue>
<Customs_CountryOfOrigin></customs_CountryOfOrigin>
     <AddGiftwrap></AddGiftwrap>
     <GiftMessage></GiftMessage>
     <IsCOD></IsCOD>
     <CODAmount></CODAmount>
     <CODCashiersOnly></CODCashiersOnly>
     <CODAddToShipping></CODAddToShipping>
<IsBill3rdParty></IsBill3rdParty>
     <Bill3rdPartyAccountNum></Bill3rdPartyAccountNum>
     <HoldForAllInventory></ HoldForAllInventory >
<CustomFields></customFields>
     <Items>
           <Ttem>
                <SKU>PRODUCT-SKU-001</SKU>
                <Qty>3</Qty>
                <CustomFields></CustomFields>
           </Item>
           <Item>
                <SKU>PRODUCT-SKU-004</SKU>
                <Qty>1</Qty>
<CustomFields></CustomFields>
          </Item>
     </Items>
     <PdfInserts>
           <PdfInsert />
     </PdfInserts>
</order>
                                              </orders>
```

9.1.1 Post Shipments Request Elements

Element Name	Required	Description
Orders	Yes	All <i>Order</i> elements to be submitted for shipping.
		apiKey – Required attribute; 32 character API key provided by Newgistics Fulfillment

Element Name	Required	Description
Order	Yes	All the child elements describing the order to be submitted to Newgistics Fulfillment for shipping.
		orderID — Optional attribute; up to 50 characters, client-generated and used to reference the order after it is submitted to Newgistics Fulfillment; if the order ID is not unique, the shipment will be entered into the system with an ONHOLD status as a duplicate order
CustomerInfo	Yes	This element contains all data specific to consumer for this order
Company	No	Company name, to appear on the shipping label NOTE : Either company or first and last name must appear on a
		shipment
FirstName	No	Recipient's first name, to appear on the shipping label
		NOTE : Either company or first <u>and</u> last name must appear on a shipment
LastName	No	Recipient's last name, to appear on the shipping label
		NOTE : Either company or first <u>and</u> last name must appear on a shipment
Address1	Yes	First address line, to appear on the shipping label
Address2	No	Second address line, to appear on the shipping label
City	Yes	City, to appear on the shipping label
State	Yes	State, to appear on the shipping label
Zip	Yes	Zip, to appear on the shipping label
Country	Yes	Country, to appear on the shipping label
Email	No	E-mail address; will be used to notify client of shipment tracking updates, if enabled
Phone	No	Consumer phone number; used for reference purposes and is available in the management console
Fax	No	Consumer fax number; used for reference purposes and is available in the management console
IsResidential	No	Boolean value specifying whether or not the recipient address is a residential address; this is used when calculating shipping costs, and will be validated by the carrier
		[VALUES: yes, no, true, false]
DropShipInfo	No	Specifies a drop ship name and address that will be used instead of the client company name and Newgistics Fulfillment's address on the packing slip and shipping label
AllowDuplicate	No	Boolean value indicating whether or not to allow the order to be processed if a duplicate <i>orderID</i> is encountered; see the <i>Order</i> element description
OrderDate	No	The date the order was placed, used for reference purposes, and appears on a shipment's packing slip
PurchaseOrder	No	The client-specified identifier for the purchase order

Element Name	Required	Description
ShipMethod	No	The four letter code of the ship method to be used for this shipment; if no ship method is provided, clients must specify a default ship method in the management console or shipment will be held until a ship method is assigned
		NOTE : See <u>Appendix A</u> for a list of possible ship methods and codes
InfoLine	No	This value appears on the packing slip; it may be used to specify special instructions or comments to the consumer; up to 100 characters are permitted
RequiresSignature	No	Boolean value indicating whether or not a signature is required at the time of delivery; this only applies to select ship methods
		[VALUES: yes, no, true, false]
IsInsured	No	Boolean value indicating whether or not to insure the contents of the shipment with the carrier; applies only to select ship methods
		[VALUES: yes, no, true, false]
InsuredValue	Yes, when IsInsured is true	The value of the shipment to be insured
Customs_ShipmentContents	Yes, for international shipments	A description of the shipment contents, provided to customs for international shipments
Customs_DeclaredValue	Yes, for international shipments	The declared value of the shipment, provided to customs for international shipments
Customs_CountryOfOrigin	Yes, for international shipments	The country of origin for the products being shipped, provided to customs for international shipments
AddGiftWrap	No	Boolean value indicating whether or not the shipment should be gift wrapped, per gift wrap requirements established at account setup
		[VALUES: yes, no, true, false]
GiftMessage	No	A message that will be included on the packing slip and labeled as a gift message
IsCOD	No	Boolean value indicating whether or not the delivery options will include COD payment; this only applies to select ship methods
		[VALUES: yes, no, true, false]
CODAmount	Yes, if <i>IsCOD</i> is true	The amount due when paying by COD
IsBill3rdParty	No	Boolean value indicating whether or not to bill postage charges to a third party account
		[VALUES: yes, no, true, false]
Bill3rdPartyAccountNum	Yes, if IsBill3rdParty is true	The account number to be used when billing postage to a third party

Element Name	Required	Description
HoldForAllInventory	No	Boolean value indicating whether or not to use Auto
		Inventory Hold logic for this order. Overriding global setting.
		[VALUES: yes, no, true, false]
CustomFields	No	Specifies the number of custom fields pertaining to the shipment;
		to be used for client reference, packing slip customization, or
		custom shipment rules
Items	Yes	Contains all <i>Item</i> elements describing the contents of the shipment
Item	Yes	Describes an individual product to be included in the shipment
SKU	Yes	The product SKU, as entered in the client catalog. If the SKU is not
		found, the shipment is entered into the system, but marked with
		BADSKUHOLD status until the SKU is changed (See Shipment
		<u>Contents Update</u>) or added to the system (See <u>Post Products</u>)
Qty	Yes	The number of products in the shipment with identified the SKU.
		Value must be an integer greater than zero
CustomFields	No	Specifies the number of custom fields pertaining to the shipment; to
		be used for client reference, packing slip customization, or custom
		shipment rules
PdfInserts	No	Encapsulates one or more <i>PdfInsert</i> elements
PdfInsert	No	A Base64 encoded representation of the raw binary PDF data for an
		insert that is to be included with this shipment

9.2 Post Shipments Response Example

9.2.1 Post Shipments Response Elements

Element Name	Description		
response	Element encapsulating entirety of the XML response		
shipments	One or more <i>shipment</i> elements containing details about the shipments that were created		
shipment	The details of a shipment that was created		
	id – The shipment ID generated by the Newgistics Fulfillment system to reference a shipment; can be used when referencing the shipment in the management console		
	orderID – The order ID given for this shipment in the request data		
warnings	Zero or more warning elements, which describe any non-critical issues that were encountered		
	while generating the requested shipments, such as holds due to invalid product SKUs, or missing		
	shipment contents		
errors	Zero or more error elements, which describe any critical problems that were encountered		
	generating shipments		

10 Shipment Contents Update

The shipment contents update method allows the products in a shipment to be modified, by submitting add and remove records.

NOTE: When calling Shipment Contents Update you can now include items on backorder for update/removal.

10.1 Shipment Contents Request Example

10.1.1 Shipment Contents Request Elements

Element Name	Required	Description
Shipment	Yes	The identifier of shipment to be updated; either <i>id</i> or <i>orderID</i> must be provided when submitting a shipment update
		apiKey – Required attribute; 32 character API key provided by NewgisticsFulfillment
		 id – Optional; the numeric shipment ID assigned by Newgistics Fulfillment at the time the shipment was created
		orderID – Optional attribute; up to 50 characters, client-generated and used to reference the order after it is submitted to Newgistics Fulfillment
AddItems	No	Contains <i>Item</i> elements representing the products that should be added to this shipment
Removeltems	No	Contains all <i>Item</i> elements representing the products that should be removed to this shipment
Item	Yes	Describes an individual product to be included in the shipment
SKU	Yes	The product SKU, as entered in the client catalog. If the SKU is not found, the
		shipment is entered into the system, but marked with BADSKUHOLD status until
		the SKU is changed (See <u>Shipment Contents Update</u>) or added to the system (See
		Post Products)
Qty	Yes	The number of products in the shipment with identified the SKU. Value must be an
		integer greater than zero

10.2 Shipment Contents Response Example

</response>

10.2.1 Shipment Contents Response Elements

Element Name	Description	
response	Element encapsulating entirety of the XML response	
success	The status of request receipt	
	[VALUES: yes, no, true, false]	

11 Shipment Update

The shipment address update method allows the consumer information for a shipment to be modified.

11.1 Shipment Update Request Example

11.1.1 Shipment Address Update Request Elements

Element Name	Required	Description
updateShipment	Yes	Identifier for the shipment to be updated; either <i>id</i> or <i>orderID</i> must be provided when submitting a shipment update
		apiKey – Required attribute; 32 character API key provided by Newgistics Fulfillment
		id – Optional; the numeric shipment ID assigned by Newgistics Fulfillment at the time the shipment was created
		orderID — Optional attribute; up to 50 characters, client-generated and used to reference the order after it is submitted to Newgistics Fulfillment
Company	No	Company name, to appear on the shipping label
		NOTE : Either company or first <u>and</u> last name must appear on a shipment
FirstName	No	Recipient's first name, to appear on the shipping label
		NOTE : Either company or first <u>and</u> last name must appear on a shipment

Element Name	Required	Description
LastName	No	Recipient's last name, to appear on the shipping label
		NOTE : Either company or first <u>and</u> last name must appear on a shipment
Address1	Yes	First address line, to appear on the shipping label
Address2	No	Second address line, to appear on the shipping label
City	Yes	City, to appear on the shipping label
State	Yes	State, to appear on the shipping label
PostalCode	Yes	Zip, to appear on the shipping label
Country	Yes	Country, to appear on the shipping label
Email	No	E-mail address; will be used to notify client of shipment tracking updates, if enabled
Phone	No	Consumer phone number; used for reference purposes
Fax	No	Consumer fax number; used for reference purposes
IsResidential	No	Boolean value specifying whether or not the recipient address is a residential address;
		this is used when calculating shipping costs, and will be validated by the carrier
		[VALUES: yes, no, true, false]
Status	No	The updated status of the shipment. Possible values include RECEIVED (to release a
		shipment marked ONHOLD, for example), ONHOLD (to place a shipment on hold), and
		CANCELED (to mark a shipment canceled).
		(See Appendix B for a complete list of shipment status codes.)
		,
		NOTE : If using the staging API, the status SHIPPED can be used to simulate fulfillment of
		the referenced shipment.
StatusNotes	Yes, for	Notes describing the reason for the status changed.
	ONHOLD	
	status	NOTE : This field is required if assigning a shipment the ONHOLD status.
ShipMethod	No	Identifies the ship method used to transport the package to the consumer.
		(See Appendix A – Ship Methods)

11.2 Shipment Address Update Response Example

11.2.1 Shipment Address Update Elements

Element Name	Description
response	Element encapsulating entirety of the XML response
success	The status of request receipt
	[VALUES: yes, no, true, false]

12 Cancel Shipment

The cancel shipment call updates the status of a shipment to CANCELED, if it is currently in a state allowing cancelations. The shipment may be referenced either by your order ID or Newgistics Fulfillment's shipment ID.

12.1 Cancel Shipment Request Example

The Cancel Shipment Request uses a simple URL request. There is no XML post required. Either the client-assigned order ID or Newgistics Fulfillment's Shipment ID must be included in the URL request.

12.1.1 Cancel Shipment Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
orderID	Include	The order ID (client-generated) for the shipment to be retrieved
shipmentID	one	The shipment ID (Newgistics-generated) for the shipment to be retrieved
cancellfInProcess	No	Setting to "True" enables a shipment in "Printed" or "Verified" status to be canceled through the API
		NOTE: pick/pack fees will be incurred.
cancelIfBackorder	No	Setting this to "True" enables a shipment with items on backorder to be canceled
		through the API

12.2 Cancel Shipment Response Example

12.2.1 Cancel Shipment Response Elements

Element Name	Description
response	Root element encapsulating entirety of the XML response
success	Present with a value of "true" if the shipment was successfully canceled
errors	A list of zero or more <i>error</i> elements, which describe any critical problems that were
	encountered canceling the shipment

13 Search Shipments

The shipments API call retrieves a list of shipments according to one or more filters given. Shipment status and related tracking information are returned in the response.

13.1 Search Shipments Request Example

The Search Shipments GET request uses a simple URL request. There is no XML post required. The following elements are included in the URL string to return shipment status and tracking data for the Shipment ID and timestamp criteria sent.

NOTE: Sending only timestamp data returns multiple shipments in the response.

13.1.1 Search Shipments Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
id	No	The order ID (client-generated) for the shipment to be retrieved
shipmentID	No	The shipment ID Newgistics-generated) for the shipment to be retrieved
startShippedTimestamp	No	The beginning shipped timestamp for the date/time range to be searched
endShippedTimestamp	No	The ending shipped timestamp for the date/time range to be searched; this
		timestamp is non-inclusive; only shipments shipped <i>before</i> this timestamp will be included
startExceptionTimestamp	No	The beginning exception timestamp for the date/time range to be searched; this
		will add shipments to the results which are currently in an exception status and
		for which the exception was generating during the specified date/time range
endExceptionTimestamp	No	The ending shipped timestamp for the date/time range to be searched; this
		timestamp is non-inclusive; only shipments with exceptions <i>before</i> this
		timestamp will be included
startReceivedTimestamp	No	The beginning timestamp for when the Order may have been received into the
		WMS System
EndReceivedTimestamp	No	The ending timestamp for when the Order may have been received into the
		WMS System
status	No	The status to be searched.
		[VALUES: See Appendix B for a complete list of shipment status codes.]

13.2 Search Shipments Response Example

```
<?xml version="1.0"?>
<Shipments>
     <Shipment id="6056857">
          <ClientName>Newgistics Fulfillment</ClientName>
          <OrderID>XML001</OrderID>
<PurchaseOrder>
          <FirstName>JOHN</FirstName>
          <LastName>DOE</LastName>
          <Company></Company>
<Address1>22100 E 26TH AVE #100</Address1>
          <Address2></Address2>
          <City>AURORA</City>
          <State>CO</State>
          <PostalCode>80019</PostalCode>
          <Country>US</Country>
          <Email> Email>
          <Phone></Phone>
          <OrderTimestamp>2009-02-08T00:00:00</orderTimestamp>
<ReceivedTimestamp>2009-02-08T16:47:18.59</receivedTimestamp>
          <ShipmentStatus>SHIPPED</ShipmentStatus>
          <ShippedDate>2009-02-09T11:52:52</shippedDate>
<ExpectedDeliveryDate>2009-02-12</ExpectedDeliveryDate>
<DeliveredTimestamp>2009-02-12T13:47:00</DeliveredTimestamp>
          <DeliveryException>
```

```
<Timestamp></Timestamp>
              <Notes></Notes>
         </DeliveryException>
<Warehouse id="11">Denver, CO</Warehouse>
         <ShipMethod>USPS Priority Mail<ShipMethodCode>POM1M/ShipMethodCode>
         <Tracking>91018052139000000000000/Tracking>
$$ $$ \frac{TrackingUr}{http://trkcnfrm1.smi.usps.com/PTSInternetWeb/InterLabelInquiry.do?origTrackNum=910180521390000000000</TrackingUrl>
         <Weight>1</Weight>
         <Postage>4.80</Postage>
         <GiftWrap>false</GiftWrap>
<CustomFields></customFields>
         <Items>
             <Item id="159278">
                  <SKU>SKU001</SKU>
                  <Description>Item for shipment/Description>
                  <Lot>Name of Lot</Lot>
                  <LotManufactureDate>2007-01-31</LotManufactureDate>
                  <LotCostOfGoods>10.99/LotCostOfGoods>
                  <Qty>1</Qty>
                  <CustomFields></CustomFields>
             </Item>
         </Items>
         <Packages>
             <Package id="26592254">
                    <TrackingNumber>1Z59663F0307896537</TrackingNumber>
                    <Weight>0.68000</Weight>
                    <BillableWeight>1.00000/BillableWeight>
                    <Height>6.00000</Height>
                    <Width>6.00000</Width>
                    <Depth>10.00000/Depth>
             </Package>
         </Packages>
         <BackorderedItems>
             <BackorderedItem id="159278" newShipmentID="6067910">
                  <SKU>SKU002</SKU>
                  <Description>Backordered item for shipment/Description>
                  <Qty>3</Qty>
                  <CustomFields></CustomFields>
                  <IsCanceled>false</IsCanceled>
              </BackorderedItem>
         </BackorderedItems>
     </Shipment>
</Shipments>
```

13.2.1 Search Shipments Response Elements

Element Name	Description
Shipments	All the Shipment elements corresponding to criteria sent
Shipment	All the data pertaining to an individual shipment returned by the call
	id – The shipment Newgistics-assigned Shipment ID
	1 0 0 1
ClientName	The company name that appears on the packing slip and shipping label
OrderID	The client-generated order ID
PurchaseOrder	The client-specified identifier for the purchase order
FirstName	The recipient's first name
LastName	The recipient's last name
Company	The company that appears in the recipient address
Address1	The first line of the recipient address
Address2	The second line of the recipient address

Element Name	Description		
City	The recipient address city		
State	The recipient address state		
PostalCode	The recipient address postal code		
Country	The recipient address country		
Email	The consumer's e-mail address, if provided		
Phone	The consumer's phone number, if provided		
OrderTimestamp	The order date/time when the order was received by the client's system		
ReceivedTimestamp	The date/time at which the shipment (order) was received by the Newgistics Fulfillment system		
ShipmentStatus	The current status of the shipment		
	NOTE : See Appendix B for a list of shipment statuses and their descriptions		
ShippedDate	The date/time at which the shipment (order) was picked up by the carrier		
ExpectedDeliveryDate	If available, the date on which the shipment is expected to be delivered to the consumer		
DeliveredTimestamp	The date/time at which the shipment was reported delivered by the shipping carrier, if available		
DeliveryException	Contains any delivery exception reported by the shipping carrier, if one was encountered		
Timestamp	The date/time at which the most recent delivery exception occurred		
Notes	The description of the most recent delivery exception encountered		
Warehouse	This element contains the name of the Newgistics Fulfillment warehouse from which the order was fulfilled and shipped		
	id – The warehouse ID for the facility (See Appendix C)		
ShipMethod	The ship method assigned to this shipment		
ShipMethodCode	The four letter code of the ship method assigned to this shipment		
	NOTE: See Appendix A for a list of ship methods and their codes		
Tracking	The tracking number assigned by the shipping carrier, if available		
TrackingUrl	A URL pointing to tracking information on the carrier website, if available		
Weight	The weight of this shipment, if available		
Postage	The cost of postage billed for this shipment, if available		
GiftWrap	Boolean value indicating whether or not this shipment includes gift wrapping		
	[VALUES: true, false]		
CustomFields	A list of elements representing custom field values assigned to this shipment		
Items	The <i>Item</i> elements described in the contents of this shipment		
Item	The details of each line item of the items		
CIVI	id – The Newgistics-generated product ID		
SKU	The SKU for the product in this line item (from the product list/catalog)		
Description	The description for the product in this line item (from the product list/catalog)		
Lot	The name of the lot (leave value empty if no lot is present)		
LotManufactureDate	Manufacturer's date for the lot (leave value empty if no lot is present)		
LotCostOfGoods	Per Item cost for the lot in USD (leave value empty if no lot is present)		
Qty	The number of products in the shipment with identified the <i>SKU</i> . Value must be an integer greater than zero		
CustomFields	This includes a list of elements representing custom field values assigned to this line item		
Packages	The Package elements identify the packages included in this shipment		

Element Name	Description
Package	The details of each line of the Packages
	Id-The Newgistics generated package ID
TrackingNumber	The Newgistics tracking number for the package
Weight	The actual weight of the package
BillableWeight	The weight threshold the package is billed at
Height	The height of the package (largest dimension)
Width	The width of the package
Depth	The depth of the package (smallest dimension)
BackorderedItems	The BackorderedItem elements showing backordered items of this shipment.
	NOTE : If this order has been fulfilled and shipped, these items will be fulfilled against a new
	shipment ID.
BackorderedItem	The elements describing each backordered line item of the shipment
	id – The Newgistics-generated product ID
	newShipmentID – A subsequent shipment ID for this order, which will be or was used to fulfill
	the backordered item
SKU	The product SKU of the line item, as entered in the client catalog
Description	The description for the product in this line item (from the product list/catalog)
Qty	The number of products in the shipment with identified the SKU. Value must be an integer
	greater than zero
CustomFields	A list of elements representing custom field values assigned to this backordered line item
IsCanceled	Boolean value indicating whether or not this backordered line item has been canceled
	[VALUES: true, false]

14 Inbound Returns Creation

Inbound returns are referenced by an RMA number and Shipment ID. The line items are products and are referenced by SKU. Corresponding shipment and product must exist in order to submit an inbound return, and a successful submission can only occur once per RMA number.

14.1 Inbound Returns Creation Request Example

14.1.1 Inbound Returns Creation Request Elements

Element Name	Required	Description
Return	Yes	The element that references the shipment to be updated; either id or orderID must be
		provided when submitting an inbound return.
		Id – Optional; Newgistics-assigned numeric shipment ID
		optional, rewgisties assigned numeric simplifier is
		orderID – Optional; the client-generated order ID
RMA	Yes	Client-Generated RMA number
Comments	No	A comment reflecting the return reason
SKU	Yes	The SKU identifier used for referencing the product being returned.
Qty	Yes	The quantity of product identified by this <i>Item</i> element's <i>SKU</i> element to be returned.
		Value must be an integer greater than zero.
Reason	No	The reason that the specific item is being returned.

14.2 Inbound Returns Creation Response Example

14.2.1 Inbound Returns Creation Response Elements

Element Name	Description	
returns	Root element encapsulating the <i>Return</i> nodes returned	
ReturnID	The Return ID (Newgistics-generated) for the return record to be retrieved	
RMA	Client-Generated RMA number	
ShipmentID	The shipment ID (Newgistics-generated) for the shipment to be retrieved	
OrderID	Optional; the client-generated order ID	
Warnings	Zero or more warning elements, which describe any non-critical issues that were	
	encountered while generating the requested shipments, such as holds due to invalid	
	product SKUs, or missing shipment contents	

Errors	Zero or more error elements, which describe any critical problems that were encountered
	generating shipments

15 Inbound Returns List

This API call returns a list of Inbound Returns based on

15.1 Inbound Returns List Request Example

The Inbound Returns List Request uses a simple URL request. There is no XML post required. Enter the timestamp range to get a list of all returns for the date/time range. The rmaID, orderID, shipmentID, productSKU, or productID may be entered to filter the results set.

15.1.1 Inbound Returns list Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
startCreatedTimestamp	No	The beginning return timestamp for the date/time range to be searched
endCreatedTimestamp	No	The ending return timestamp for the date/time range to be searched
rmaID	No	Client-Generated RMA number
orderID or shipmentID	No	The client-assigned Order ID or the Newgistics-assigned shipment ID for the
		shipment to be retrieved
productSKU or productID	No	The client-assigned Product SKU or the Newgistics-assigned Product ID

15.1Inbound Returns List Response Example

```
<?xml version="1.0" encoding="UTF-8"?>
       <InboundReturns>
               <InboundReturn id="61903">
                      <ShipmentID>37517249</ShipmentID>
                       <OrderID>5308814</OrderID>
                      <RMA>158879</RMA>
                      <CreateTimestamp>2013-10-28T18:48:36.503</CreateTimestamp>
                       <FirstName>BUFFY</FirstName>
                      <LastName>SOMMERS</LastName>
                      <Company/>
                      <Address1>111 MAGIC PARK DR</Address1>
                      <Address2/>
                       <City>HENDERSONVILLE</City>
                       <State>TN</State>
                      <PostalCode>37075-2088</PostalCode>
                       <Country>UNITED STATES</Country>
                      <Email/>
                      <Phone>6158269999</Phone>
                      <LabelUrl>http://www.shipmentmanager.com/printweblabel.aspx?webLabelID=3DF44
                      EA93DA67BB0AA3FCA40EE10CC8C67B93436A8C5E2E2</LabelUrl>
                      <SmartLabelTracking>7252037075031533070001588794</SmartLabelTracking>
                      <CarrierTracking>4205690192023907007167000000162084/CarrierTracking>
                      <ltems>
                              <ltem id="616675">
                                      <SKU>21573</SKU>
                                     <Description>Lorac Cosmetics Baked Matte Satin Blush - Hollywood
                                     Hollywood 0.17oz.</Description>
                                     <Qty>1</Qty>
                                     <Reason>Damaged In Shpmt</Reason>
                              </ltem>
                      </ltems>
       InboundReturn>
```

15.1.1 Inbound Returns List Response Elements

Element Name	Description	
Inbound Returns	Root element encapsulating Inbound Returns record	
Inbound Returns ID	Request element for the return record	
ShipmentID	Newgistics-generated identifier for the original shipment (from which the return is	
	generated)	
OrderID	Client –generated identifier for the original shipment (from which the return is	
	generated)	
RMA	Client-Generated RMA number	
CreateTimestamp	The timestamp of when the Inbound Return record was created for the Return ID	
FirstName	Consumer first name from the Order/shipment record	
LastName	Consumer first name from the Order/shipment record	
Company	Consumer last name from the Order/shipment record	
Address1	Consumer street address from the Order/shipment record	

Address2	Consumer additional address information from the Order/shipment record
City	Consumer city from the Order/shipment record
State	Consumer state from the Order/shipment record
PostalCode	Consumer postal code from the Order/shipment record
Country	Consumer country from the Order/shipment record
Email	Consumer email address from the Order/shipment record
Phone	Consumer phone number from the Order/shipment record
Label URL	Carrier label image URL
SmartLabelTracking	Newgistics assigned SmartLable tracking number for the return package
CarrierTracking	Carrier assigned tracking number for the return package
Items	Sub-root element for the list of products from the original order that are being returned
Item id	Client- assigned Item Identifier for a return item
SKU	Client-assigned identifier for a return item
Description	Client-assigned short description of name of product
Qty	Number of items with the same SKU
Reason	The consumer-selected reason for returning the item

16 Returns

The Returns API call retrieves a list of returns received by Newgistics Fulfillment for a given date/time range or a specific return as specified by order ID, including all relevant return shipping, tracking, product, and inventory details.

16.1 Returns Request Example

The Return Request uses a simple URL request. There is no XML post required. Enter the timestamp range to get a list of all returns for the date/time range.

16.1.1 Returns Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
startTimestamp	No	The beginning return timestamp for the date/time range to be searched
endTimestamp	No	The ending return timestamp for the date/time range to be searched

16.2 Returns Response Example

16.2.1 Returns Response Elements

Element Name	Description	
Returns	Root element encapsulating the <i>Return</i> nodes returned	
Return	All the child elements describing the return	
warehouseID	The Newgistics identifier for the Newgistics Fulfillment warehouse from which the order was fulfilled and shipped (See Appendix C)	
shipment ID	The Newgistics assigned identifier for the shipment that originally contained the return item(s)	
order ID	The client assigned identifier for the order that originally contained the return item(s)	
Name	Name of the consumer according to the original shipment or as indicated on the return if no originating shipment exists	
Company	Recipient company of the original shipment	
Address1	First address line of the original shipment	
Address2	Second address line of the original shipment	
City	City of the original shipment	
State	State of the original shipment	
PostalCode	Postal code of the original shipment	
Country	Country of the original shipment	
Email	E-mail address of the original shipment	
Phone	Consumer phone number of the original shipment	
Carrier	The inventory detail elements for an individual product id –Newgistics-assigned product ID sku – The product SKU of the line item, as entered in the client catalog	
TrackingNumber	The tracking number for the shipment	
PostageDue	The dollar amount of the postage due, if any	
RmaPresent	Flag indicating that an RMA has been created; True or False	
RmaNumber	The client-generated identifier for the RMA	
Reason	The reason for the return; 20 character string allowed	
Condition	The condition of the product returned as indicated by the returns processor	
Notes	Return notes provided by the returns processor	
IsArchived	Flag marking whether or not you have archived the return using the management console	
Timestamp	The timestamp indicating when the return was processed by the returns processor	
Items	The element containing the list of items that were returned	
Item	An element containing details about a product that was returned	

Element Name	Description
	id – Newgistics-assigned product ID
SKU	The SKU of the product that was returned
QtyReturned	The quantity of the product that was received in the return by Newgistics Fulfillment
ReturnReason	code – Return Reason Code if present. Item return reason description if configured and selected
QtyReturnedToStock	The quantity of product that was received by Newgistics Fulfillment and returned to stock to be
	re-shipped

17 Inventory

The inventory API call retrieves current inventory quantities for one or for all products. For each product retrieved, the current, pending, available, and backordered quantities will be returned.

17.1 Inventory Request Example

The Inventory GET request uses a simple URL request. There is no XML post required. The following elements are included in the URL string to return inventory counts specific product SKUs. The result can be filtered by warehouse for clients with multiple facilities.

17.1.1 Inventory Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
sku	No	The product SKU, as entered in the client catalog
warehouse	No	Used to optionally filter the inventory details by a particular warehouse; this only applies to clients which ship from multiple warehouse
		NOTE : See <u>Appendix C</u> for a list of Newgistics Fulfillment warehouses and their IDs

17.2 Inventory Response Example

```
<?xml version="1.0"?>
<response>
       color="78388" sku="PRODUCT-SKU-001">
           <currentQuantity>19901/currentQuantity>
           <pendingQuantity>0</pendingQuantity>
<availableQuantity>19901</availableQuantity>
           <backorderedQuantity>0</backorderedQuantity>
       </product>
       <currentQuantity>15</currentQuantity>
           <pendingQuantity>3</pendingQuantity>
<availableQuantity>12</availableQuantity>
           <backorderedQuantity>0</backorderedQuantity>
       <pendingQuantity>0</pendingQuantity>
<availableQuantity>432</availableQuantity>
           <backorderedQuantity>0</backorderedQuantity>
       </product>
       <currentQuantity>0</currentQuantity>
           <pendingQuantity>0</pendingQuantity>
```

17.2.1 Inventory Response Elements

Element Name	Description
response	Root element encapsulating entirety of the XML response
products	This element encapsulates all the <i>product</i> elements returned by the API call
product	The inventory detail elements for an individual product
	 id – The Newgistics-assigned product ID sku – The product SKU, as entered in the client catalog
currentQuantity	The current quantity of the product on hand
pendingQuantity	The quantity of product corresponding to shipments that have been received, but not yet
	shipped
availableQuantity	The quantity of product available for new shipments
backorderedQuantity	The quantity of product corresponding to shipment backorders
errors	This element contains a list of zero or more error elements, which describe any critical problems
	that were encountered generating shipments

18 Inventory Details

The Inventory Details API call individual inventory transactions, determined by the search parameters specified.

18.1 Inventory Details Request Example

The Inventory Details GET request uses a simple URL request. There is no XML post required. The following elements are included in the URL string to return Inventory data for a product type and timestamp criteria. The result may be filtered by warehouse for clients with multiple facilities or to show only products with a particular SKU.

18.1.1 Inventory Details Request Elements

Element Name	Required	Description
key	Yes	32 character API key provided by Newgistics Fulfillment
warehouseID	No	Used to optionally filter the inventory details by a particular warehouse; this only applies to clients which ship from multiple warehouse NOTE: See Appendix C for a list of Newgistics Fulfillment warehouses and their IDs
startTimestamp	No	The beginning date/time to use when searching by a specific period of time
endTimestamp	No	The end date/time to use when searching by a specific period of time
sku	No	Specifying a value for this parameter will filter the transactions return to only include those which reference this particular SKU.

Element Name	Required	Description	
type	No	The type of inventory adjustment to be included in the search results	
		NOTE : See Appendix F for a list of all Newgistics Fulfillment inventory	
		transaction types	
receivingAdjustmentsOnly	No	When set to "True" excludes normal Receiving transactions, returns only	
		adjustments made after a manifest has been closed	

18.2 Inventory Details Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<inventories>
       <inventory type="return">
  <warehouse id="11">Denver East, CO</warehouse>
                <manifestID />
                <manifestPO />
               <mail: color of the color 
                <sku>sku000101</sku>
                <quantity>1</quantity>
        <notes />
</inventory>
        <inventory type="ship">
  <warehouse id="11">Denver East, CO</warehouse>
  <manifestID />
               <manifestP0 />
<shipmentID>12019942</shipmentID>
<orderID>ORDER001782</orderID>

                <timestamp>2011-02-14T09:56:06.193</timestamp>
                <sku>sku001324</sku>
                <quantity>4</quantity><notes />
        </inventory>
        <inventory type="adjust">
  <warehouse id="11">Denver East, CO</warehouse>
  <manifestID />
                <manifestPO />
                <shipmentID />
                <orderID />
<timestamp>2011-02-14T09:56:06.193</timestamp>
                <sku>sku001324</sku>
                <quantity>4</quantity>
                <notes>
                        <note timestamp="2011-02-14T09:54:59.067">PHYSICAL COUNT ON - (2/14/11)
                  </notes>
         </inventory>
</inventories>
```

18.2.1 Inventory Details Response Elements

Element Name	Description
response	Root element encapsulating entirety of the XML response
inventories	All the inventory elements returned by the API call
inventory	The detail elements for an individual inventory transaction
	<i>type</i> – The transaction type for this record. See Appendix F for a list of possible values
warehouse	The warehouse at which this transaction was created
	id – The ID for this warehouse. See Appendix C for a list of warehouses and their IDs

Element Name	Description
manifestID	For receive transactions, the manifest ID against which the product was received
manifestPO	For receive transactions, the purchase order number that is associated with the manifest against
	which the product was received
shipmentID	For ship and return transactions, the shipment ID to which the inventory transaction relates
orderID	For ship and return transactions, the order ID assigned to the shipment to which the inventory
	transaction relates
timestamp	The date and time at which the inventory transaction was created
sku	The SKU of the product to which this inventory transaction applies
quantity	The number of units that was adjusted by this inventory transaction
notes	An element containing one or more notes that are attached to this transaction
note	The text of a note associated with this inventory transaction
	<i>timestamp</i> – The date and time at which this note was created and associated with this inventory
	transaction

19 Appendix A - Ship Methods

19.1 Ship Method Codes

Carrier Name	Ship Method Name	Ship Method Code
Rate Shop	Newgistics 12 Business Days	NGS.12B
Rate Shop	Newgistics 2 Business Days	NGS.2B
Rate Shop	Newgistics 2 Days Delivery	NGS.2DG
Rate Shop	Newgistics 3 Days Delivery	NGS.3DG
Rate Shop	Newgistics 5 Business Days	NGS.5B
Rate Shop	Newgistics 5 Business Days - Order Date	NGS.5B.O
Rate Shop	Newgistics 7 Business Days	NGS.7B
Rate Shop	Newgistics International	NGS.INTL
Rate Shop	Newgistics International (DDP)	NGS.INTL.DDP
Rate Shop	Newgistics Next Day	NGS.NXTD
Rate Shop	Newgistics Weight Rate	NGS.WR
DHL	Global Mail SmartMail Parcels Expedited	DHLSMP
FedEx	FedEx 2 Day	FEXEB
FedEx	FedEx Express Saver	FEXP
FedEx	FedEx First Overnight	FEXFB
FedEx	FedEx Ground	FEXG
FedEx	FedEx Ground Collect	FEXGC
FedEx	FedEx Home Delivery	FEXHD
FedEx	FedEx International Economy	FEXIE
FedEx	FedEx International Priority	FEXIC
FedEx	FedEx Priority Overnight	FEXPO
FedEx	FedEx Standard Overnight	FEXSO
Landmark Global	LMG Standard	LMGSTD
Landmark Global	LMG Standard	LMGSTD
Landmark Global	MSI International Parcel	MSIIP
Landmark Global	MSI International Parcel Free	MSIIPF
Newgistics	Newgistics Parcel Select	NGSPS
Newgistics	Newgistics Parcel Select Lightweight	NGSPSLW
UPS	UPS 2 Day	UPS2D
UPS	UPS 2 Days with Saturday Delivery	UPS2SD
UPS	UPS 2nd Day Air AM	UPS2A
UPS	UPS 3 Day Select	UPS3D
UPS	UPS Canada Expedited	UPSCE
UPS	UPS Canada Standard	UPSCS
UPS	UPS Canada Standard Free Domicile	UPSCSF
UPS	UPS Ground Commercial	UPSG
UPS	UPS Ground Commercial Collect	UPSGC
UPS	UPS Ground Commercial Consignee Billing	UPSGCB
UPS	UPS Ground Residential	UPSGR
UPS	UPS Mexico Standard	UPSMS
UPS	UPS Mexico Standard Free Domicile	UPSMSF
UPS	UPS Next Day	UPS1D
UPS	UPS Next Day Air Saver	UPS1S
UPS	UPS Next Day Early AM	UPS1E
UPS	UPS Next Day Saturday Delivery	UPSSD

Carrier Name	Ship Method Name	Ship Method Code
UPS	UPS Worldwide Expedited	UPSWE
UPS	UPS Worldwide Expedited Free Domicile	UPSWEF
UPS	UPS Worldwide Express	UPSI
UPS	UPS Worldwide Express Plus	UPSWP
UPS	UPS Worldwide Express Saver	UPSWS
UPS	UPS Worldwide Express Saver Free Domicile	UPSWSF
UPS	UPS SurePost 1 lbs. and over	UPSSPP
USPS	USPS Express	POMEX
USPS	USPS Express Mail International	POMGE
USPS	USPS First Class	POM1C
USPS	USPS First Class International	POMIM
USPS	USPS Media Mail	POM4B
USPS	USPS Parcel Post	POM4C
USPS	USPS Priority Mail	POM1M
USPS	USPS Priority Mail International	POMGP
None	Consignee LTL Freight	CONSIGNEEFREIGHT
None	LTL Freight	FREIGHT
None	Vendor Specific	VENDOR
None	Will Call	WILLCALL

19.2 Ship Method Translations

If you transmit something other than one of the above codes, by default, our system will translate the most common descriptions to the appropriate ship method. You also have the ability to set up specific translations. If you do not use one of the above codes and do not specify translations, we will not be held responsible for incorrect translations in the ship method.

To set up translations, log into your account and go to Ship Method Rules. You can select between "Use Default Translation Rules" or "Restrict Ship Methods." If you choose "Restrict Ship Methods," the system will automatically place all shipments on hold if they do not have a valid ship method.

Under "Translations Table," you can specify what your system will be sending over and map it to the appropriate ship method in our system.

20 Appendix B – Shipment Statuses

We offer full transparency in our process, and you can find out the status of any of your orders. From the menu, go to Fulfillment > Shipments > Search Shipments. By default, this page brings up all shipments that were received today. You can filter this list by searching on one of five fields or by selecting a particular date range.

20.1.1 Shipment Status Codes

Status	Description
BACKORDER	All contents of this shipment are backordered; individual shipments will ship as they become available

Status	Description
BADADDRESS	The recipient address for this shipment was deemed invalid; address needs to be corrected before it
	can ship
BADSKUHOLD	One or more SKUs transmitted to Newgistics Fulfillment for this shipment were not found, and the
	shipment was placed on hold
CANCELED	Shipment has been canceled, and will not be processed
CNFHOLD	One or more products in this shipment were unable to be located, despite available inventory, and the
	shipment was placed on hold
INVHOLD	One or more products in this shipment are out of stock, and the shipment was placed on hold; this
	shipment will not be processed until you manually release it.
ONHOLD	Shipment has been placed on hold; see the shipment log for details. In most cases, a consumer service
	ticket will have been generated and attached to the shipment indicating why the shipment was on
	hold. You will always receive notification if a shipment is placed on hold.
PRINTED	This shipment's packing slip has been printed, and is currently being picked
	Note: Once a shipment has been printed, no changes can be made to the shipment, nor can it be
	canceled without incurring an additional charge.
RECEIVED	Shipment has been received by the Newgistics Fulfillment shipment, and is awaiting processing
RETURNED	The shipment has been returned to Newgistics Fulfillment, either because it was undeliverable,
	refused, or returned by the consumer. Details of the return are available in the management console.
SHIPPED	Shipment has been fully processed, and has left the Newgistics Fulfillment facility. Please do not be
	alarmed if a shipment does not show a status of SHIPPED, even if it is late in the day. All shipments that
	have been marked VERIFIED will go out that day.
UPDATED	Shipment has been modified, and is awaiting processing
VERIFIED	Shipment has been picked and verified, and is awaiting shipment

21 Appendix C - Newgistics Fulfillment Warehouse Facilities

Warehouse ID	Location	Address
11	Denver East, CO	22100 E 26 th Ave, #100
		Aurora, CO 80019
20	Ontario, CA	5300 Ontario Mills Pkwy, #400
		Ontario, CA 91764
156	Commerce, CA	5959 Randolph St
		Commerce, CA 90040
157	Hebron, KY	1200 Worldwide Boulevard
		Hebron, Kentucky 41048

22 Appendix D - Shipment Fee Types

Shipment Fee Type	Shipment Fee Type
Additional Handling	Tax and Duties
Certified Mail Charge	Invalid Account Charge
COD Fee	Future Day Pickup Request Charge
Extended Area Charge	Export Declaration Fee Charge
Hazmat Charge	Reroute Request Charge
Insurance Charge	Early AM Charge
Residential Charge	Declared Value Charge
	

Shipment Fee Type
Return Receipt Charge
Saturday Delivery Charge
Harmonized Sales Tax
Provincial Sales Tax
Quebec Sales Tax
Fuel Surcharge
Delivery Confirmation
Signature Fee
Oversize Surcharge
NonMachineable Surcharge
Goods and Service Tax
Non-continental Fee
Special Handling
Carrier Correction
Carrier Premium

Shipment Fee Type
Carbon Neutral Charge
Saturday Pickup Charge
Return Request Fee
Chargeback Fee
Residential Pickup Surcharge
Returns Postage
Fulfillment Postage Base Fee
Freight Collect
Postage Deposit
Pick Error Postage Credit
Postage Credit

23 Appendix E - Manifest Statuses

Status	Description
CREATED	The manifest has been created, but not yet locked, shipped, or arrived.
UPDATED	The manifest is still pending shipment, but it has had updates applied to it
SHIPPED	The manifest has been marked as shipped, and is locked against further updates
ARRIVED	The shipment for this manifest has arrived at a Newgistics Fulfillment warehouse, and is currently in process
RECEIVED	All receiving has completed for this manifest, and it has been closed
CANCELED	The manifest has been marked as canceled and will receive no further updates or processing

24 Appendix F - Inventory Transaction Types

Status	Description
ADJUST	This is an adjustment made by a member of the Newgistics Fulfillment staff; notes should be available
	describing the reason for the adjustment
ASSEMBLY	This indicates product was used to create, or was the created result of, a kitting project
DAMAGED	This product was found to be damaged and was removed from available inventory
INVENTORY	This is an adjustment made as part of a scheduled inventory count
RECEIVE	This inventory was added to stock as part of a received manifest
REFURBISH	This indicates product was created from stock that was part of a refurbishment project
RETURN	This transaction indicates product was added to stock from a shipment that was returned to the
	warehouse
SHIP	This represents product that was removed from physical inventory as part of an outgoing shipment