External Channel Integrations

Overview

External channel integration via the App Store allows developers to integrate a channel into the same process flow and interaction that a customer would go through integrating and interacting with a native chanel. The following functions can be achieved via the integration:

- Channel integration wizard
- Channel config custom properties.
- Shipping mapping
- Payment method mapping
- Inventory mapping
- Order download
- Order despatch
- Inventory update
- Price update

Application Registration

In order to start creating an external channel integraiton you must first register an account with Linnworks and then log in to http://apps.linnworks.net/ and create a Channel Integration app.

This will provide you with a default manifest which will require you to fill out the below properties.

ChannelName	Unique name of the channel, no spaces all upper cases - Must be unique (eg. No channels that are already integrated through native implementations)
ChannelFriendlyName	Name of the channel
ChannelLogoURL	Link to channel logo 57x57px
AddNewUserEndpoint	Endpoint used for adding new users.
UserConfigEndpoint	Endpoint used for adding new users. Called when a customer clicks Integrate in the config screen.
SaveConfigEndpoint	Endpoint used for either saving the user config or on every wizard step.
ShippingTagsEndpoint	Endpoint which should return a list of Shipping tags and friendly names from the channel. For example if a customer selects "NextDay" on the channel.
PaymentTagsEndpoint	Endpoint which should return a list of Payment tags and friendly names from the channel. For example if a customer selects "Sage Pay" on the channel.
ConfigDeletedEndpoint	Endpoint which is called when a customer deletes the integration from Linnworks
ConfigTestEndpoint	Endpoint which is called when a customer presses test in the channel config. This should verify if the customer's integration is correct.
OrdersEndpoint	Endpoint which is called with parameters of PageNumber and UTCTimeFrom and expected to return orders, it is suggested that using last update date of orders is used. This call should return Paid and unpaid orders.
DespatchEndpoint	Endpoint which is called with a list of orders that have been despatched within linnworks.
ProductsEndpoint	Endpoint which is called with parameters of PageNumber and expected to return a list of products.
InventoryUpdateEndpoint	Endpoint which is called with a list of inventory changes to be updated on the channel. Note: Linnworks will only send changes

	and not the whole feed.
PriceUpdateEndpoint	Endpoint which is called with a list of price changes to be updated on the channel. Note: Linnworks will only send changes and not the whole feed.
InventoryUpdateBatchSize	Defines the number of inventory updates that can be sent at one time.
PriceUpdateBatchSize	Defines the number of price updates that can be sent at one time.
DespatchUpdateBatchSize	Defines the number of despatches will be sent at one time.

Endpoints

While the structure of the URL for the api endpoints doesn't have to conform to any structure the requests and responses conform to a strict object structure.

Firstly each endpoint must respond within 10 seconds of a request otherwise the connection will be disconnected. You must choose an appropriate batch size for updates and ensure that when providing data it is done quickly and efficiently.

All requests sent and received are expected to be in JSON format.

All endpoints apart from **AddNewUserEndpoint** will send the **AuthorizationToken** along with the request object.

All responses should return content-length. Streaming data is not supported.

AddNewUserEndpoint

Request

AddNewUserRequest		
Field Name	**Type**	**Description**
LinnworksUniqueIdentifier	UniqueIdentifier	Uniqueidentifer of the linnworks customer's account. Will never change.
Email	String	Email of the customer, subject to change
AccountName	String	Account name being integrated into the system. Will never change and on integration it is suggest that duplicates are checked for. Nb. Customers may expect to have multiple integrations of the same channel in linnworks

Sample

```
{
        "LinnworksUniqueIdentifier": "005d4263-5a0c-43ce-bdc5-526955604107",
        "Email": "test@mycompany.com",
        "AccountName": "My Account name"
}
```

Response

AddNewUserRequest		
Field Name	**Type**	**Description**
Error	String	Error string if there was an issue with the call
AuthorizationToken	String	If successful the authorization token string of the customer. This will be used for all subsequent calls.

Sample

```
{
        "Error": null,
        "AuthorizationToken": "a8e53e86eead4b69beaa0afcc29b67fb"
}
```

UserConfigEndpoint

This request is made in two situations: Firstly when a customer is going through the integration wizard to integrate the channel. To complete the wizard returns "UserConfig" as the step name and this will indicate the wizard is complete. The second instance is when the config is loaded the call is made to load any dynamic ConfigItems that may be required to show on the Linnworks config UI. **SaveConfigEndpoint** will be called on each wizard step and when the config is saved.

If the config is loaded and the StepName is not "UserConfig" it will load the config wizard and take them through the stages until "UserConfig" is returned. This can be especially useful if the user is required to go through additional steps down the line.

Request

User Config Response		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization token

Sample

```
{
        "AuthorizationToken": "3898ea5977134d849470a7ac19cea0c0"
}
```

Response

User Config Response		
Field Name	**Type**	**Description**
Error	String	Error string if there was an issue with the request.
StepName	String	Current Step name, if returned "UserConfig" it will assume that the wizard is complete.
WizardStepDescription	String	Description of the current wizard step
WizardStepTitle	String	User visible title displayed on the integration wizard.
ConfigItems	ConfigItem[]	See Config Item table

Config Item

Field Name	Type	Description
ConfigItemId	String	Unique id of either the wizard item or config item
Description	String	Description of the config item or wizard item. Will be displayed in tooltips
Group Name	String	Used to group the config or wizard items
ListValues	ListValue[]	See List Value table
MustBeSpecified	Boolean	Defines if the user must enter this value in the wizard or config
Name	String	Visible name on the wizard or config
ReadOnly	Boolean	Defines if the field is a visible only field.
RegexError	String	
RegexValidation	String	JavaScript Regex validation script
SelectedValue	String	Selected value either default value or value selecte in the UI when sent back
Sortorder	int	Order of config item to be displayed on the UI.
ValueType	String	Valid Values ● STRING ● INT ● DOUBLE ● BOOLEAN ● PASSWORD ● LIST

List Value		
Field Name	**Type**	**Description**
Display	String	Visible value
Value	String	Value that will be sent back in **SelectedValue**

Sample

```
{
        "Error": null,
        "StepName": "AddCredentials",
        "WizardStepDescription": "This is where you add your website credentials",
        "WizardStepTitle": "Add Credentials",
```

```json
"ConfigItems": [{
        "ConfigItemId": "APIKey",
        "Name": "API Key",
        "Description": "Website API Key",
        "GroupName": "API Credentials",
        "SortOrder": 1,
        "SelectedValue": "AnApiKeyGoesHere",
        "RegExValidation": null,
        "RegExError": null,
        "MustBeSpecified": true,
        "ReadOnly": false,
        "ListValues": [],
        "ValueType": "PASSWORD"
},
{
        "ConfigItemId": "APISecretKey",
        "Name": "API Secret Key",
        "Description": "Website API Secret Key",
        "GroupName": "API Credentials",
        "SortOrder": 2,
        "SelectedValue": "MYSuperSecretKey",
        "RegExValidation": null,
        "RegExError": null,
        "MustBeSpecified": true,
        "ReadOnly": false,
        "ListValues": [],
        "ValueType": "PASSWORD"
},
{
        "ConfigItemId": "IsOauth",
        "Name": "Is Oauth",
        "Description": "Defines if the authentication type is Oauth",
        "GroupName": "API Settings",
        "SortOrder": 3,
        "SelectedValue": "False",
        "RegExValidation": null,
        "RegExError": null,
        "MustBeSpecified": true,
        "ReadOnly": false,
        "ListValues": [],
        "ValueType": "BOOLEAN"
},
{
        "ConfigItemId": "Version",
        "Name": "Version",
        "Description": "Version of the API",
        "GroupName": "API Settings",
        "SortOrder": 3,
        "SelectedValue": "False",
        "RegExValidation": null,
        "RegExError": null,
```

```
        "MustBeSpecified": true,
        "ReadOnly": false,
        "ListValues": [{
                "Display": "1.6 - Stable",
                "Value": "1.6.0"
        },
        {
                "Display": "1.6 - Beta",
                "Value": "1.6.1"
        },
        {
                "Display": "1.5 - Stable",
                "Value": "1.5.0"
        }],
        "ValueType": "LIST"
    }]
}
```

SaveConfigEndpoint

This request is made in two situations at the end of every config wizard step as a customer enters / edits the fields and also on the config screen if custom config items are supplied back when the step name is "UserConfig".

Linnworks will provide the entire object that was provided back with the only field ever changing being the SelectedValue. This is passed back cast as string as fields may be many different types.

Request

User Config Response		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
ConfigItems	ConfigItem[]	See Config Item table
StepName	String	The step name Linnworks thinks it's on. It's good to check this field incase wizards get out of sync for any reason.

Sample

```
{
        "StepName": "AddCredentials",
        "ConfigItems": [{
                "ConfigItemId": "APIKey",
                "Name": "API Key",
                "Description": "Website API Key",
                "GroupName": "API Credentials",
                "SortOrder": 1,
                "SelectedValue": "AnApiKeyGoesHere",
                "RegExValidation": null,
                "RegExError": null,
                "MustBeSpecified": true,
                "ReadOnly": false,
                "ListValues": [],
                "ValueType": "PASSWORD"
        },
        {
                "ConfigItemId": "APISecretKey",
                "Name": "API Secret Key",
                "Description": "Website API Secret Key",
                "GroupName": "API Credentials",
                "SortOrder": 2,
                "SelectedValue": "MYSuperSecretKey",
```

```
            "RegExValidation": null,
            "RegExError": null,
            "MustBeSpecified": true,
            "ReadOnly": false,
            "ListValues": [],
            "ValueType": "PASSWORD"
        },
        {
            "ConfigItemId": "IsOauth",
            "Name": "Is Oauth",
            "Description": "Defines if the authentication type is Oauth",
            "GroupName": "API Settings",
            "SortOrder": 3,
            "SelectedValue": "False",
            "RegExValidation": null,
            "RegExError": null,
            "MustBeSpecified": true,
            "ReadOnly": false,
            "ListValues": [],
            "ValueType": "BOOLEAN"
        }],
        "AuthorizationToken": "1fdea65984c54a91ae8549de68844ca9"
}
```

Response

Save Config Response		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
ConfigItems	ConfigItem[]	See Config Item table
StepName	String	The next wizard step name.
WizardStepDescription	String	Description of the next wizard step
WizardStepTitle	String	User visible title displayed on the integration wizard.

Sample

```
{
        "Error": null,
        "StepName": "OrderSetup",
        "WizardStepDescription": "Definition of tax settings and items to return",
        "WizardStepTitle": "Order Setup",
        "ConfigItems": [{
                "ConfigItemId": "PriceIncTax",
```

```
            "Name": "Price Includes Tax",
            "Description": "Defines if the price of an item includes tax",
            "GroupName": "Tax",
            "SortOrder": 1,
            "SelectedValue": "False",
            "RegExValidation": null,
            "RegExError": null,
            "MustBeSpecified": true,
            "ReadOnly": false,
            "ListValues": [],
            "ValueType": "BOOLEAN"
    },
    {

            "ConfigItemId": "DownloadVirtualItems",
            "Name": "Download Virtual Items",
            "Description": "Check to allow the download of virtual items",
            "GroupName": "Items",
            "SortOrder": 2,
            "SelectedValue": "False",
            "RegExValidation": null,
            "RegExError": null,
            "MustBeSpecified": false,
            "ReadOnly": false,
            "ListValues": [],
            "ValueType": "BOOLEAN"
    }]
}
```

ShippingTagsEndpoint

This call is expected to return an array of shipping methods friendly names and their tags to generate a pre-populated list in the config shipping mapping screen.

Request

Shipping Tags Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration

Sample

```
{
        "AuthorizationToken": "0dfdbaf3e4d5434f825e774e31bcc148"
}
```

Response

Shipping Tags Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
ShippingTags	ShippingTag[]	See Shipping Tag table

Shipping Tag		
Field Name	**Type**	**Description**
Tag	String	The shipping tag that is supplied on the order
FriendlyName	String	Friendly name of the shipping tag
Site	String	Site of the shipping tag, this is usually used when the channel has one set of credentials however has multiple sites for example UK, DE, US and so on. Leave blank if this is not applicable.

Sample

```
{
        "Error": null,
```

```
"ShippingTags": [{
        "Tag": "RM CLR01",
        "FriendlyName": "Royal Mail First Class",
        "Site": ""
},
{
        "Tag": "RM_SpecialDelivery_9am",
        "FriendlyName": "Royal Mail Special Delivery",
        "Site": ""
},
{
        "Tag": "dpd",
        "FriendlyName": "DPD - Next Day",
        "Site": ""
},
{
        "Tag": "fedex_ground",
        "FriendlyName": "Fedex - Ground",
        "Site": ""
},
{
        "Tag": "matrix_rate_10221",
        "FriendlyName": "Some other service",
        "Site": ""
}]
}
```

PaymentTagsEndpoint

This call is expected to return an array of payment methods friendly names and their tags to generate a pre-populated list in the config payment mapping screen.

Request

Payment Tags Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration

Sample

```
{
        "AuthorizationToken": "0dfdbaf3e4d5434f825e774e31bcc148"
}
```

Response

Payment Tags Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
PaymentTags	PaymentTag[]	See Payment Tag table

Payment Tag		
Field Name	**Type**	**Description**
Tag	String	The payment tag that is supplied on the order
FriendlyName	String	Friendly name of the shipping tag
Site	String	Site of the payment tag, this is usually used when the channel has one set of credentials however has multiple sites for example UK, DE, US and so on. Leave blank if this is not applicable.

Sample

```
{
        "Error": null,
```

```json
"PaymentTags": [{
        "Tag": "paypal_verified",
        "FriendlyName": "PayPal",
        "Site": ""
},
{
        "Tag": "mastercard",
        "FriendlyName": "Credit Card - Master Card",
        "Site": ""
},
{
        "Tag": "visa_credit",
        "FriendlyName": "Credit Card - Visa",
        "Site": ""
},
{
        "Tag": "credit_unknown",
        "FriendlyName": "Credit Card - Unknown",
        "Site": ""
},
{
        "Tag": "bank",
        "FriendlyName": "Bank payments",
        "Site": ""
}]
}
```

ConfigDeletedEndpoint

This call is made when the channel config is deleted from Linnworks. Note that this is a notification of deletion, if there is an error the config will still be deleted from Linnworks

Request

Config Deleted Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration

Sample

```
{
        "AuthorizationToken": "0dfdbaf3e4d5434f825e774e31bcc148"
}
```

Response

Config Deleted Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request

Sample

```
{
        "Error": "User config does not exist",
}
```

ConfigTestEndpoint

This call is made when the test button is pressed in the user config. It should test the customer's integration is valid. It may also be used in automation jobs to check if there is a constant or global error.

Request

Config Test Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration

Sample

```
{
        "AuthorizationToken": "0dfdbaf3e4d5434f825e774e31bcc148"
}
```

Response

Config Test Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request

Sample

```
{
        "Error": "User config does not exist",
}
```

OrdersEndpoint

This call is made by Linnworks automation to get a list of orders since the last time it requested orders. These calls are made every 10 to 15 minutes usually.
The request expects a page result back, if there are a lot of orders to return it is suggested to split the result into pages of 100 maximum.

Request

Orders Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
UTCTimeFrom	DateTime	Utc date from Linnworks since the last time we had a successful orders request. This may change from Linnworks side if the user want's to back date the sync. It is suggested that if the channels API has the availability of filtering by the last time the order was updated to use this. **Format:** "yyyy-MM-dd HH:mm:ssZ"
PageNumber	int	Page number of the request. Starts from 1

Sample

```
{
        "PageNumber": 1,
        "UTCTimeFrom": "2016-08-26T09:43:14Z",
        "AuthorizationToken": "f989a881a6a241d5ab81b4b03f3730f1"
}
```

Response

Config Test Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
HasMorePages	Boolean	Indicates if there are more pages after the current page
Orders	Order[]	See Order Table

Order		
Field Name	**Type**	**Description**
BillingAddress	Address	See Address Table
DeliveryAddress	Address	See Address Table
OrderItems	OrderItem[]	See Order Item Table
ExtendedProperties	ExtendedProperty[]	See Extended Property Table
Notes	Note[]	See Note table
Site	String	Site of the order, this is usually used when the channel has one set of credentials however has multiple sites for example UK, DE, US and so on. Leave blank if this is not applicable. This field is used in Postal Service and Payment mapping.
MatchPostalServiceTag	String	Shipping tag used which is used for order mapping to map the channel shipping tag to the Linnworks shipping service.
MatchPaymentMethodTag	String	Shipping tag used which is used for order mapping to map the channel shipping tag to the Linnworks shipping service.
PaymentStatus	String	Payment status or the order. Valid values: ● **PAID** ● **UNPAID**
ChannelBuyerName	String	Name of the customer who bought the item. If the channel supports usernames it's suggested to put the username instead of the actual name of the customer.
ReferenceNumber	String	Unique reference of the order. If two orders have the same reference then one will be ignored. This field will be sent back when marking orders as despatched.

SecondaryReferenceNumber	String	Additional reference number for the order, usually used when the **ReferenceNumber** field is the internal order id and not the customer visible one.
ExternalReference	String	External reference is usually the payment gateway transaction id.
Currency	String	3 digit ISO 4217 currency code of the order.
ReceivedDate	DateTime	Date the order was created. Where possible normalize to UTC **Format:** "yyyy-MM-dd HH:mm:ssZ"
DispatchBy	DateTime	Date the order should be shipped by. Where possible normalize to UTC **Format:** "yyyy-MM-dd HH:mm:ssZ"
PaidOn	DateTime	Date the order was paid. Where possible normalize to UTC **Format:** "yyyy-MM-dd HH:mm:ssZ"
PostalServiceCost	Decimal	Postal cost of the order including tax
PostalServiceTaxRate	Decimal	Tax rate used for the postal service

Address		
Field Name	**Type**	**Description**
FullName	String	Customer Full Name
Company	String	Customer Company
Address1	String	
Address2	String	
Address3	String	
Town	String	

Region	String	
PostCode	String	Postal / Zip Code
Country	String	
CountryCode	String	ISO 3166-2 Country Code
PhoneNumber	String	
EmailAddress	String	Email Address

Order Item		
Field Name	Type	Description
TaxCostInclusive	Boolean	Indicates if the **PricePerUnit** includes tax
UseChannelTax	Boolean	If True Linnworks will not overwrite the tax percentage.
IsService	Boolean	Indicates if the order line is a service
OrderLineNumber	String	Unique per order line number. Any orders with non unique or duplicates will not be saved.
SKU	String	SKU of the product (used for Mapping)
PricePerUnit	Decimal	Individual price per unit.
LinePercentDiscount	Decimal	Percentage line discount
ItemTitle	String	Title of the product.
Options	Option[]	See Option Table
Qty	Integer	Order Item quantity

Option		
Field Name	Type	Description
Name	String	Unique per order option Name
Value	String	Option Value

NB: Options are not to be confused with identification of a variation products. Each variation still requires a unique SKU for identification.

Extended Property		
Field Name	**Type**	**Description**
Name	String	Unique per order property name
Value	String	Property value
Type	String	Type of property for example "Shipping", "Tracking Number"

Note		
Field Name	**Type**	**Description**
Note	String	Note text, duplicates will be ignored.
NoteEntryDate	DateTime	Date of the note **Format:** "yyyy-MM-dd HH:mm:ssZ"
NoteUserName	String	User who entered the note, if left blank "Channel" will be entered.
IsInternal	String	Indicates if the note is customer visible

Sample

```
{
        "Error": null,
        "HasMorePages": true,
        "Orders": [{
                "BillingAddress": {
                        "FullName": "Mr Billing Billington",
                        "Company": "Linn Systems Ltd",
                        "Address1": "2-4 Southgate",
                        "Address2": "",
                        "Address3": "",
                        "Town": "Chichester",
                        "Region": "West Sussex",
                        "PostCode": "PO19 8DJ",
                        "Country": "United Kingdom",
                        "CountryCode": "GB",
                        "PhoneNumber": "00000000002",
                        "EmailAddress": "test@test.com"
```

```
        },
        "DeliveryAddress": {
                "FullName": "Mr Testing Testington",
                "Company": "Linn Systems Ltd",
                "Address1": "2-4 Southgate",
                "Address2": "",
                "Address3": "",
                "Town": "Chichester",
                "Region": "West Sussex",
                "PostCode": "PO19 8DJ",
                "Country": "United Kingdom",
                "CountryCode": "GB",
                "PhoneNumber": "00000000001",
                "EmailAddress": "test@test.com"
        },
        "OrderItems": [{
                "TaxCostInclusive": true,
                "UseChannelTax": false,
                "IsService": false,
                "OrderLineNumber": "0",
                "SKU": "ChannelProduct_0",
                "PricePerUnit": 0.731495563281465,
                "Qty": 479904921,
                "TaxRate": 20.0,
                "LinePercentDiscount": 0.0,
                "ItemTitle": "Title for MyReference-2ChannelProduct_0",
                "Options": [{
                        "Name": "Colour",
                        "Value": "Red"
                }],
        }],
        "ExtendedProperties": [{
                "Name": "Prop0",
                "Value": "Val0",
                "Type": "Info"
        }],
        "Notes": [{
                "Note": "A customer has left a note",
                "NoteEntryDate": "2016-08-26T13:28:05Z",
                "NoteUserName": "Channel",
                "IsInternal": false
        }],
        "Site": "",
        "MatchPostalServiceTag": "Royal Mail First Class",
        "MatchPaymentMethodTag": "PayPal",
        "PaymentStatus": "PAID",
        "ChannelBuyerName": "A Channel Buyer Name",
        "ReferenceNumber": "MyReference-2",
        "ExternalReference": "MyExternalReference-1",
        "SecondaryReferenceNumber": null,
        "Currency": "GBP",
```

```
            "ReceivedDate": "2016-08-26T13:23:05.1678193Z",
            "DispatchBy": "2016-09-05T13:28:05.1678193Z",
            "PaidOn": "2016-08-26T13:19:05.1678193Z",
            "PostalServiceCost": 0.818234497130958,
            "PostalServiceTaxRate": 20.0
        }]
    }
```

DespatchEndpoint

When an order is despatched in Linnworks this call is made to update the channel with the correct despatch details.

Entire orders may be submitted or partial orders depending if the order has been split.

Request

Despatch		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
Orders	DespatchOrder[]	See Despatch Order Table

Despatch Order		
Field Name	**Type**	**Description**
ReferenceNumber	String	Order Reference number
ShippingVendor	String	Shipping Ventor / Carrier
ShippingMethod	String	Linnworks shipping method
TrackingNumber	String	Tracking number
SecondaryTrackingNumbers	String[]	Additional Tracking numbers
ProcessedOn	String	Date order was processed **Format:** "yyyy-MM-dd HH:mm:ssZ"
Items	Item[]	See Despatch Item table

Despatch Item		
Field Name	**Type**	**Description**
SKU	String	Channel SKU from the order item
OrderLineNumber	String	Unique line number from the order item

DespatchedQuantity	int	Quantity despatched, due to splits this might be less than the original order and additional quantity may be provided later

Sample

```
{
    "Orders": [{
        "ReferenceNumber": "12345",
        "ShippingVendor": "Royal Mail",
        "ShippingMethod": "First Class",
        "TrackingNumber": "TrackingNumber 1",
        "SecondaryTrackingNumbers": null,
        "ProcessedOn": "2016-08-29T07:49:51.5036339Z",
        "Items": [{
            "SKU": "SKU1234",
            "OrderLineNumber": "1",
            "DespatchedQuantity": 2
        },
        {
            "SKU": "SKU1235",
            "OrderLineNumber": "2",
            "DespatchedQuantity": 2
        }]
    }]
    "AuthorizationToken": "b7f4ee81bc4e4363adcd00eced0ea471"
}
```

Response

Order Despatch Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
Orders	**Order[]**	See despatch Order Response table

Desaptch Order Response		
Field Name	**Type**	**Description**
Error	String	If there was an error a despatch on a

		particular order
ReferenceNumber	String	Reference number of the order.

Sample
```
{
        "Error": null,
        "Orders": [{
                "Error": "Despatch failed for some reason",
                "ReferenceNumber": "12345"
        }]
}
```

ProductsEndpoint

This call is used to get a list of Channel products for the purpose of mapping

Request

Products Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
PageNumber	Int	Current page number in the fetch sequence, starts from 1.

Sample

```
{
        "AuthorizationToken": "0dfdbaf3e4d5434f825e774e31bcc148"
        "PageNumber": 1
}
```

Response

Products Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
HasMorePages	bool	Indicates if more pages are expected.
Products	Product[]	See Product table.

Product		
Field Name	**Type**	**Description**
SKU	String	Product Unique SKU, duplicates will be ignored.
Title	String	Title of the product
Quantity	int	Current level on the channel
Price	Decimal	Current price on the channel

Reference	String	Reference from the channel e.g. internal product ID. This will be submitted alongside the SKU in inventory and price updates.

Sample

```
{
        "Error": null,
        "HasMorePages": true,
        "Products": [{
                "SKU": "ChannelProduct_1",
                "Title": "Channel Tile of product ChannelProduct_1",
                "Quantity": 68,
                "Price": 9.15,
                "Reference": "12458"
        }
}
```

InventoryUpdateEndpoint

This call is made when inventory is updated in Linnworks and is required to push to the channel.

Request

Inventory Update Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
Products	Product[]	See Inventory Product table

Inventory Product		
Field Name	**Type**	**Description**
SKU	String	Product SKU
Reference	String	Product Reference, e.g. Internal product id
Quantity	Int	New available quantity.

Sample

```
{
        "Products": [{
                "SKU": "ABC1234",
                "Reference": "122440",
                "Quantity": 10
        }],
        "AuthorizationToken": "4d1aa44d211641a48da9ae269ff68975"
}
```

Response

Products Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
Products	Product[]	See Inventory Product Response table.

Inventory Product Response		
Field Name	**Type**	**Description**
SKU	String	Product Unique SKU, duplicates will be ignored.
Error	String	If there was an error with the product update.

Sample

```
{
        "Error": null,
        "Products": [{
                "Error": "SKU does not exist",
                "SKU": "MyNonExistantSKU"
        }]
}
```

PriceUpdateEndpoint

This call is made when inventory is updated in linnworks and is required to push to the channel.

Request

Shipping Tags Request		
Field Name	**Type**	**Description**
AuthorizationToken	String	Authorization Token from the customers integration
Products	Product[]	See Price Product table

PriceProduct		
Field Name	**Type**	**Description**
SKU	String	Product SKU
Reference	String	Product Reference, e.g. Internal product id
Price	Int	New price
Tag	String	Price tag, this is free text but can be used to identify different types of Prices for example the Price with no tag could be current selling price, and a tag submitted with "RETAILPRICE" could be the retail price.

Sample

```
{
        "Products": [{
                "SKU": "ABC1234",
                "Reference": "122440",
                "Price": 10.99,
                "Tag": ""
        }],
        "AuthorizationToken": "4d1aa44d211641a48da9ae269ff68975"
}
```

Response

Products Response		
Field Name	**Type**	**Description**
Error	String	If there was an error with the request
Products	Product[]	See PriceProduct Response table

Price Product Response		
Field Name	**Type**	**Description**
SKU	String	Product Unique SKU, duplicates will be ignored
Error	String	If there was an error with the product update

Sample

```
{
        "Error": null,
        "Products": [{
                "Error": "SKU does not exist",
                "SKU": "MyNonExistantSKU"
        }]
}
```