VISIONET

EASYTRACK SETUP

CONFIGURATION DOCUMENT

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Document Overview

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Name	Role	Version

1. Background

There has been an increase in online shopping due to the recent Coronavirus (COVID-19) pandemic. Majority of customers are now preferring to order online and have it delivered to their locations instead of going out to the retail stores. To cater to the need of effective shipment tracking, Narvar integration is required.

In order to fully integrate the feature, some customization is required in Dynamics 365 commerce HQ that will map the retailer and shipment methods used in Dynamics 365 Commerce with the ones used by Narvar to generate tracking URLs and display them on the store front.

This document details the technical design of Visionet's effective solution for retrieving shipment tracking information using Narvar called EasyTrack.

2. Configurations

2.1 Overview

The configuration document involves the following components:

- Addition of retailer name, carrier information, shipment codes and description used by Narvar against the retailer
- Association of Narvar retailer shipment codes with Dynamics 365 Commerce mode of deliveries used by the e-commerce store and back-office
- Tracking URL builder and association to packing slip
- A regenerate tracking URL button on the packing slip
- Displaying Narvar tracking information on the Dynamics 365 e-commerce order details screen
- Display Narvar tracking information on the Dynamics 365 packing slip email which will be sent to customer

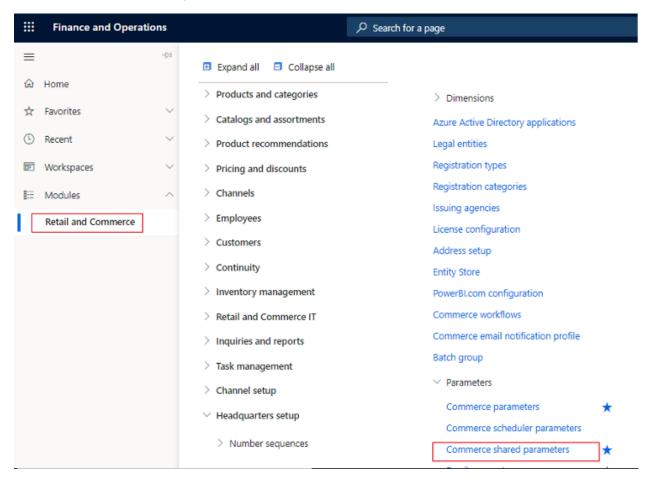
2.2 Retailer name and carrier information

A new tab titled Narvar will be added on Microsoft Dynamics 365 Commerce's commerce shared parameters screen. This will house all configuration related to Narvar tracking that are not legal entity specific.

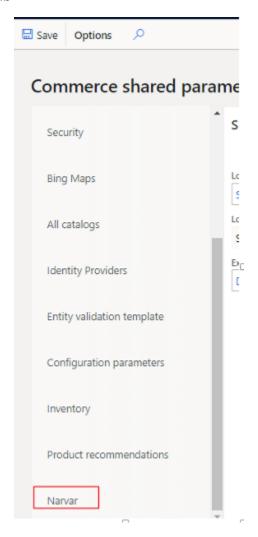
Screen name: Commerce shared parameters

Navigation path: Retail and Commerce > Headquarters setup > Parameters > Commerce shared parameters

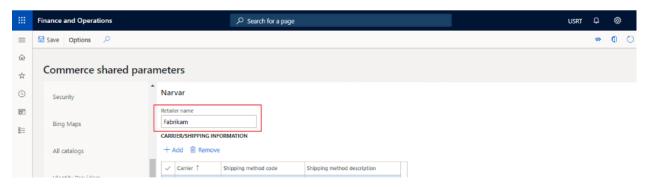
- 1. Open Microsoft Dynamics 365 commerce backoffice
- 2. Navigate to Module > Retail and Commerce > Headquarters setup > Parameters > Commerce shared parameters



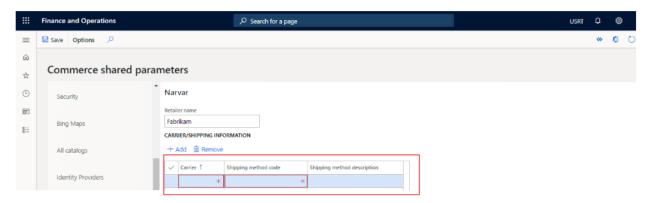
3. Click on the Narvar tab



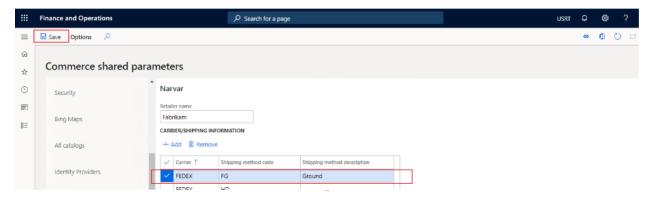
4. Enter retailer name in the field. This is the name which has been registered with Narvar. If you are unsure about what to enter, please consult your Narvar documentation.



- 5. The carrier/shipping information to be associated with retailer is also provided by Narvar. If you are unsure about what to enter, please consult your Narvar documentation.
- 6. In order to enter the carrier/shipping information, click on "Add" button and provide
 - a. Carrier
 - b. Shipping method code
 - c. Shipping method description



- 7. You can add as many carrier/shipping information as required
- 8. Once information is entered, press Save button



9. In order to remove carrier/shipping information, select a record and click on remove button. Note: If a carrier/shipping information is associated to Microsoft Dynamics 365 Commerce mode of delivery, it cannot be removed till the association is unlinked.

2.3 Current Narvar carrier info and shipping codes

Carrier	Shipping Method Code	Shipping Method Description
UPS	UG	Standard
UPS	SP	SurePost
UPS	MI	Mail Innovations
UPS	E3	3 Day Select
UPS	E2	2 Day Air
UPS	E1	Next Day Air
FEDEX	FG	Ground
FEDEX	HD	Home Delivery
FEDEX	SP	SmartPost
FEDEX	E3	3 Day Select
FEDEX	E2	2 Day Air
FEDEX	E1	Next Day Air
USPS	FC	First Class Mail
USPS	SP	Standard Post
USPS	E2	Priority – 2-3 Day
USPS	E1	Express - Next Day

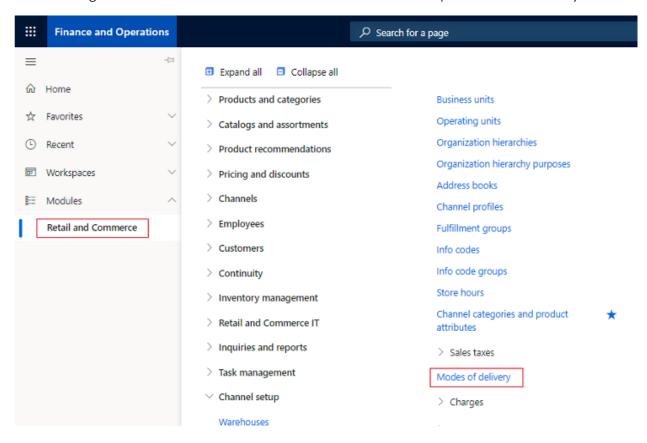
2.4 Mode of delivery's association with Narvar shipping codes

In order to properly have the Narvar tracking URL, the shipping methods used in the online e-commerce stores are to be mapped to the Narvar carrier/shipping information. Once the Narvar info has been entered in the Dynamics 365 Commerce, it will be associated to the online store's mode of delivery.

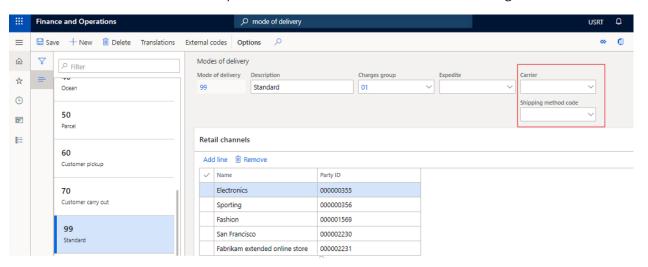
Screen name: Mode of delivery

Navigation path: Module > Retail and Commerce > Channel setup > Modes of delivery

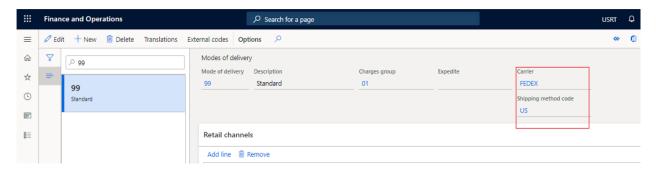
- 1. Open Microsoft Dynamics 365 commerce backoffice
- 2. Navigate to Module > Retail and Commerce > Channel setup > Modes of delivery



3. Select the mode of delivery which needs to be used for Narvar tracking



- 4. From the carrier dropdown, select the carrier
- 5. From the shipping method dropdown, select the shipping code for the carrier
- 6. Save the information



Note: Mode of delivery has a 1-1 relationship with carrier and shipping code.

2.5 Email configuration

In order to have the tracking information display on email sent to customers on packing slip posting, the following configuration needs to be in place. If any Microsoft Dynamics 365 Commerce customer has already setup email, then only the trigger and template needs to be added.

Visionet Systems Inc. will provide the HTML template as per client branding guidelines.

Email parameters

- 1. Navigate to Module > Headquarters setup > Parameters > Email parameters
- 2. In the configuration tab
 - a. Select the batch email provider. This could be Exchange or SMTP
 - b. Select the interactive email providers
 - c. Save the information
- 3. In the SMTP settings tab
 - a. Provide the outgoing mail server
 - b. Provide the SMTP port number
 - c. Provide the username (email address which will be used to send emails)
 - d. Provide password (password of the provided email address)
 - e. Select Yes on SSL required toggle
 - f. Save the information
 - g. You can test the configuration by sending test mail from Test mail tab

Commerce Email Notification Profile

- 1. Navigate to Module > Headquarters setup> Commerce email notification profile
- 2. Select the email profile which is attached to your online store
- 3. Select the email template from the Email ID drop-down list. In our case it would be PackOrder
- 4. Select the appropriate Email notification type from the drop-down list. In our case it would be Packing completed
- 5. Select the Active check box.
- 6. On the action pane, select Save.

Email synchronization job

1. In order to make sure that emails are sent, the email synchronization job has to be set on recurrence or executed on demand

2.6 Show order tracking on e-comm order history

The order tracking information is shown on order detsails screen by default. This can also be shown on the order history page as well, if required. This is handled through a configuration flag on the Dynamics 365 CMS site builder.

- 1. Open the Dynamics 365 Commerce site builder
- 2. Open the relevant site from the main screen
- 3. Click on pages and search for order history page
- 4. Find and select order history module
- 5. On the right pane, scroll down till the "Show tracking image and number" flag is displayed
- 6. Click on edit button to edit the record
- 7. If the flag is checked, then tracking info is displayed on order history
- 8. After setting flag, click on finish editing button and publish website
- 9. Scroll to order history page on e-commerce site
- 10. The tracking info of packing slip is displayed

3. Order Flows

Following are the scenarios and their details which are covered under the NARVAR integration scope.

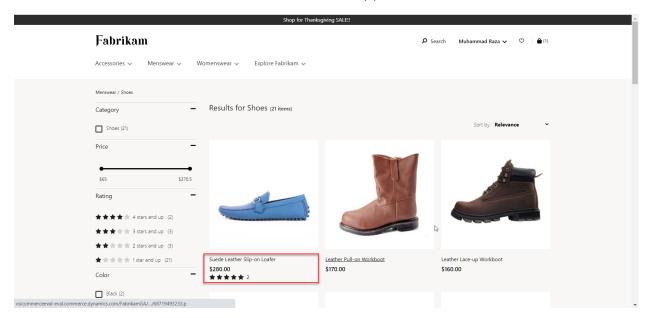
3.1 Complete order delivery

3.1.1. Scenario Details

Customer places an order on Online Ecommerce Store and complete order is fulfilled by the warehouse. Order tracking details are generated successfully and are then displayed on the online Ecommerce Store on Order History and Order Details page.

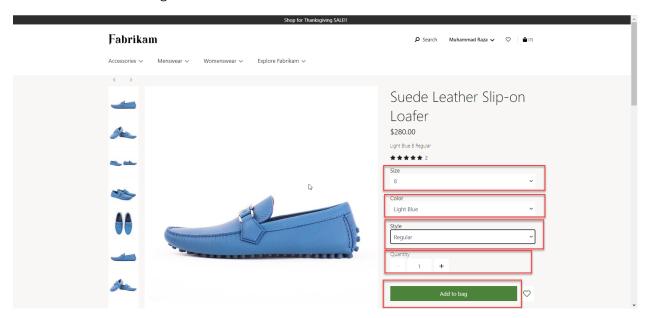
3.1.2. Detail Steps

1. Go to Online Ecommerce store and select Item(s) which are to be added in the cart.

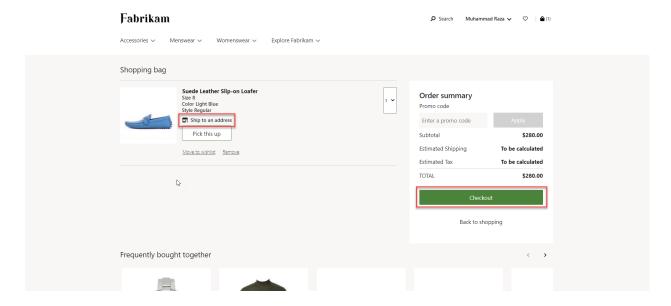


2. Now, select the variant (size, color, style etc) and the Quantity as per need.

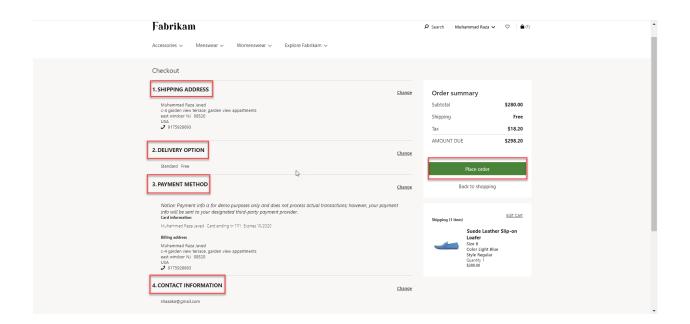
3. Click 'Add to bag' button.



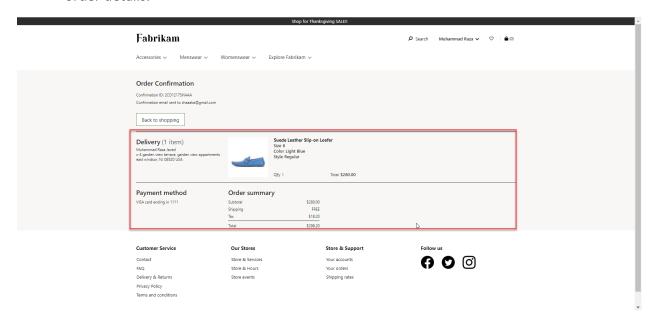
- 4. System will now navigate to 'Shopping bag' page where the user can select whether the selected items should be delivered to an address or will be picked up in store.
- 5. Select 'Ship to Store' option and then click 'Checkout'.



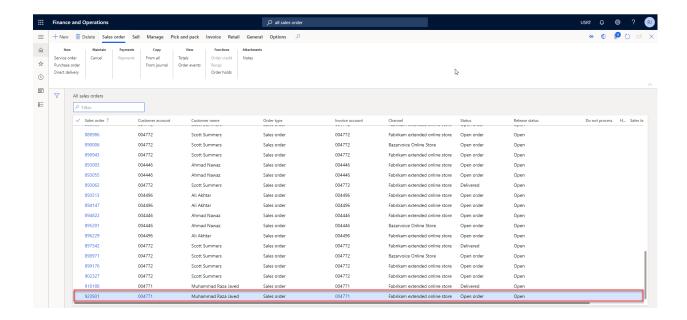
- 6. User will now be routed to the Checkout page where following details need to be entered to complete the order:
 - a. Shipping Address
 - b. Delivery Options
 - c. Payment Information
 - d. Contact Information



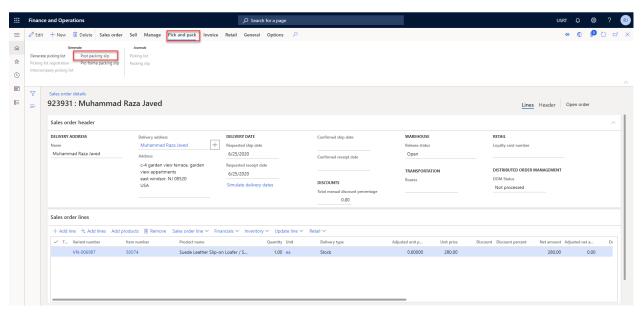
7. Once the order has been placed, 'Order Confirmation' page will display all important order details.



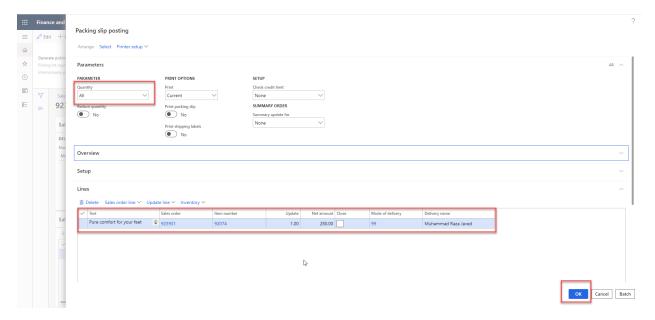
- 8. Scheduled P-0001 Job and Synchronize Orders Job in D365, will pull the order in D365FO back-office and create a sales order for the corresponding Online Web order.
- 9. Navigate to Retail and Commerce->Customers->All Sales Orders to find the sales order.



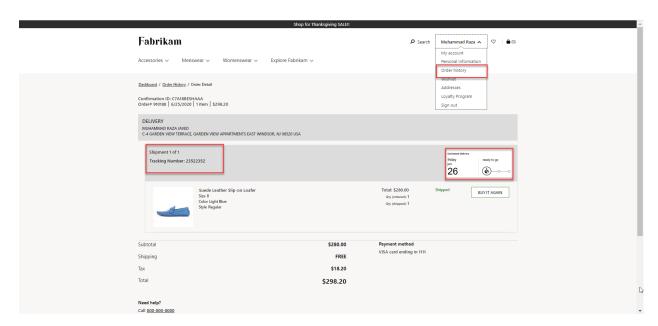
10. Open the sales order and click on 'Post packing slip' option in 'Pick and pack' tab to post the packing slip.



- 11. Enter tracking number in tracking info section and save it.
- 12. Verify all the packing slip values and update quantities on the lines and then hit 'OK' to post the packing slip.

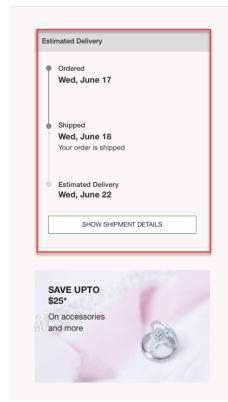


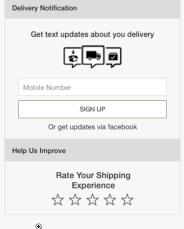
- 13. Posting of the packing slip successfully will trigger the NARVAR integration and generate the tracking information for the order. Which can be seen by clicking the 'Order History' option in the Account section of the online web store.
- 14. Tracking number and delivery related details can displayed on both 'Order history' page as well as on 'Order Details' page.



15. By clicking on the tracking number, details about the order shipment and delivery can be seen in a saperate window.

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See What's New!





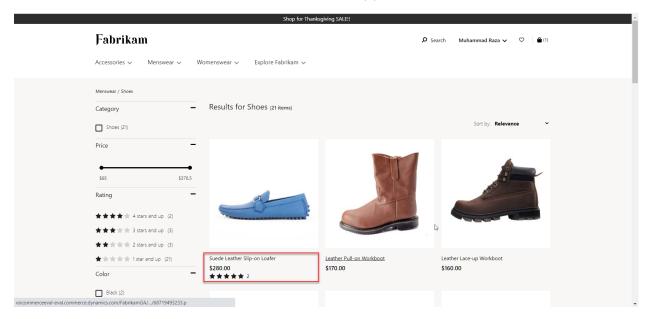
3.2 Complete store pick-up

3.2.1. Scenario Details

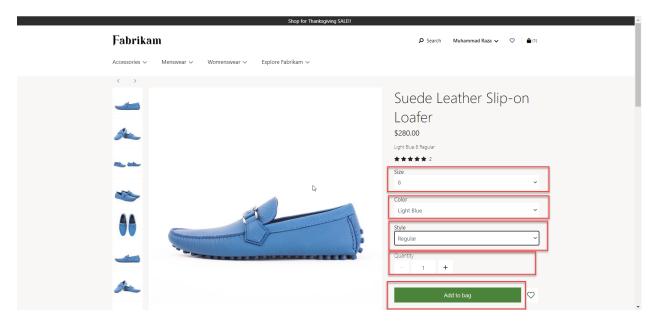
Customer places an order on Online Ecommerce Store to be picked up from store and complete order is fulfilled by the store. According to the business cases, order tracking will not be supported for orders which are for in-store pickup.

3.2.2. Detail Steps

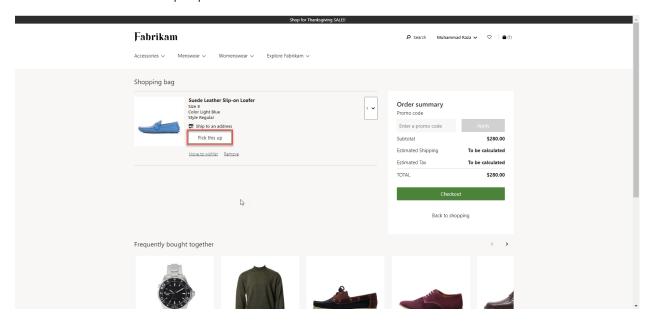
1. Go to Online Ecommerce store and select Item(s) which are to be added in the cart.



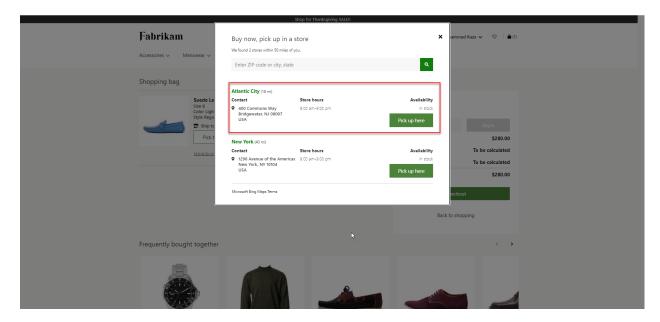
- 2. Now, select the variant (size, color, style etc) and the Quantity as per need.
- 3. Click 'Add to bag' button.



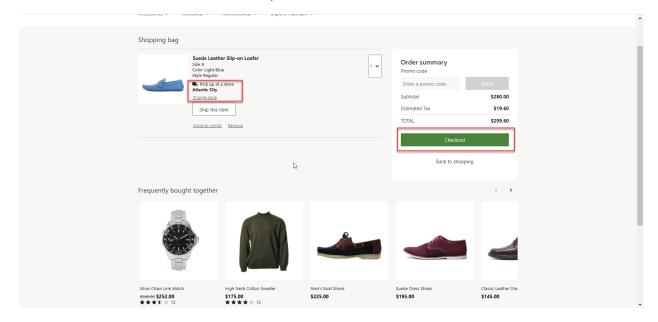
- 4. System will now navigate to 'Shopping bag' page where the user can select whether the selected items should be delivered to an address or will be picked up in store.
- 5. Select 'Pick this up' option.



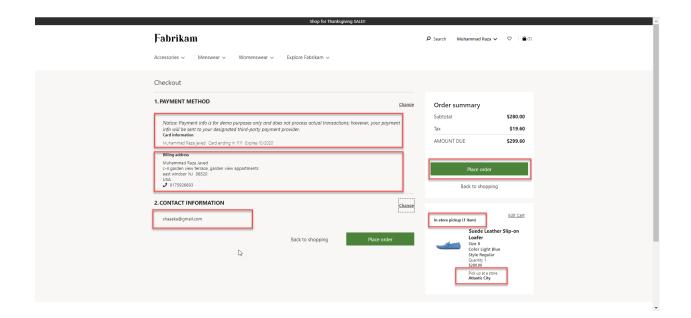
6. Once 'Pick this up' option is selected, user will be prompted to select a store as per his current location. The prompt will also show if the selected item is in stock or not.



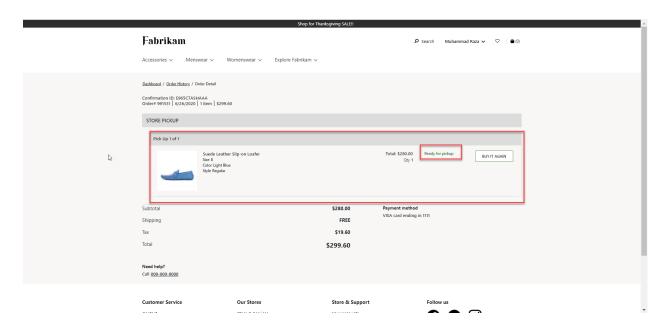
7. Once this option is selected the Shopping Bag will now display the store as a Pick up location. Then click 'Checkout' option.



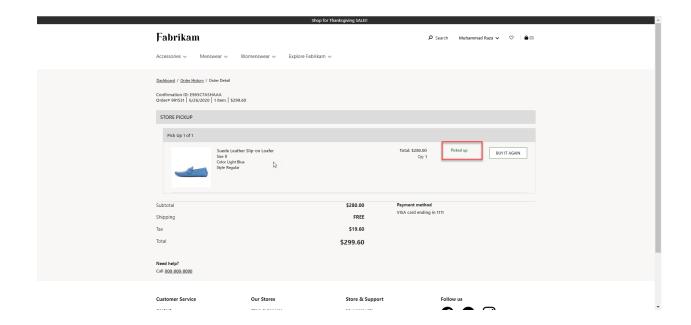
8. Now enter the payment details and contact details and click on 'Place Order'



- 9. Scheduled P-0001 Job and Synchronize Orders Job in D365, will pull the order in D365FO back-office and create a sales order for the corresponding Online Web order.
- 10. Once the customer goes to Pick up the items at the store and the store associate Picks and packs the item, following status change will take place on online web store.



11. As soon as the order is finalized in-store the 'Ready to pickup' status will change to 'Picked Up'



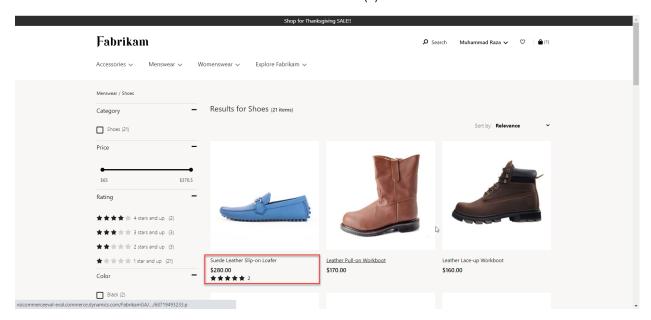
3.3 Partial order delivery

3.3.1. Scenario Details

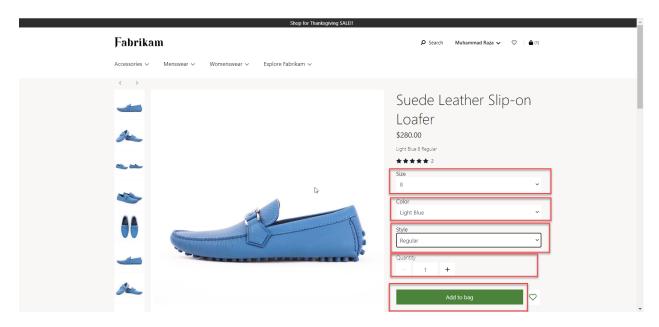
Customer places an order on Online Ecommerce Store and partial order is fulfilled by the warehouse, because of item back-ordering. Order tracking details are generated successfully for the items which are being fulfilled and are then displayed on the online Ecommerce Store on Order History and Order Details page.

3.3.2. Detail Steps

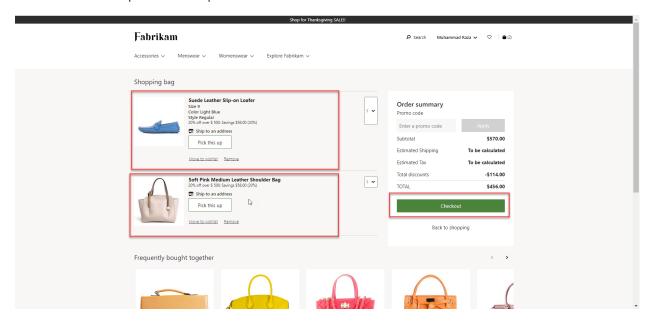
1. Go to Online Ecommerce store and select Item(s) which are to be added in the cart.



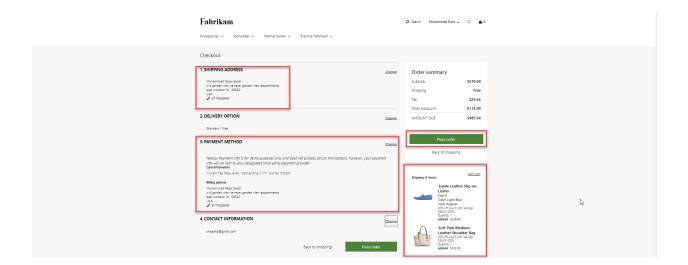
- 2. Now, select the variant (size, color, style etc) and the Quantity as per need.
- 3. Click 'Add to bag' button.



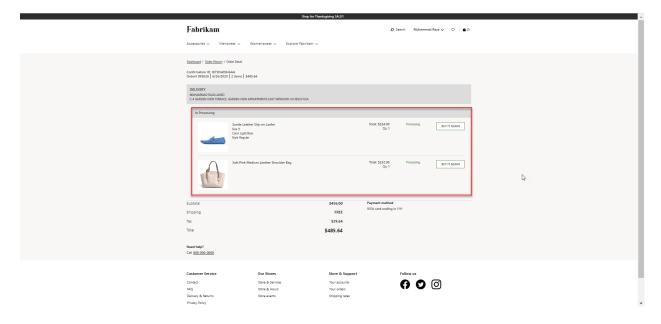
- 4. System will now navigate to 'Shopping bag' page where the user can select whether the selected items should be delivered to an address or will be picked up in store.
- 5. Select 'Ship to Store' option and then click 'Checkout'.



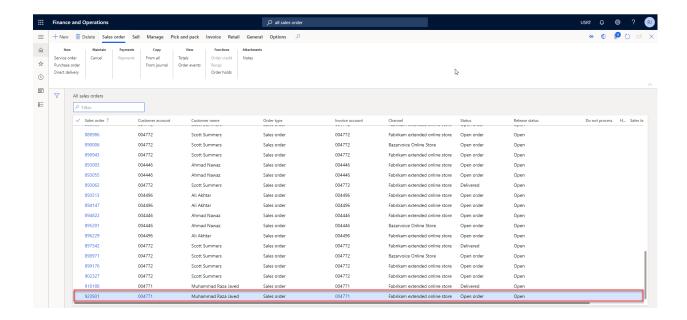
- 6. User will now be routed to the Checkout page where following details need to be entered to complete the order:
 - a. Shipping Address
 - b. Delivery Options
 - c. Payment Information
 - d. Contact Information



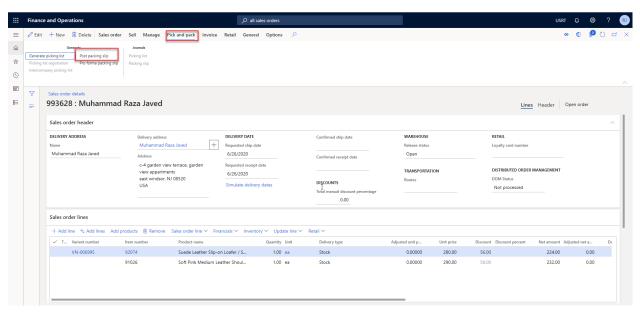
7. Once the order has been placed, 'Order Confimration' page will display all important order details.



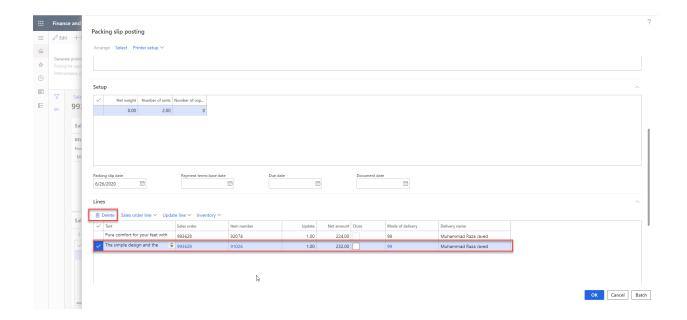
- 8. Scheduled P-0001 Job and Synchronize Orders Job in D365, will pull the order in D365FO back-office and create a sales order for the corresponding Online Web order.
- 9. Navigate to Retail and Commerce->Customers->All Sales Orders to find the sales order.



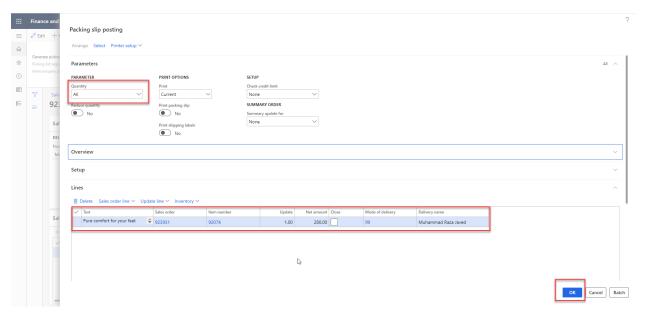
10. Open the sales order and click on 'Post packing slip' option in 'Pick and pack' tab to post the packing slip.



11. Delete the lines which are not being fulfilled at the moment due to back-order.

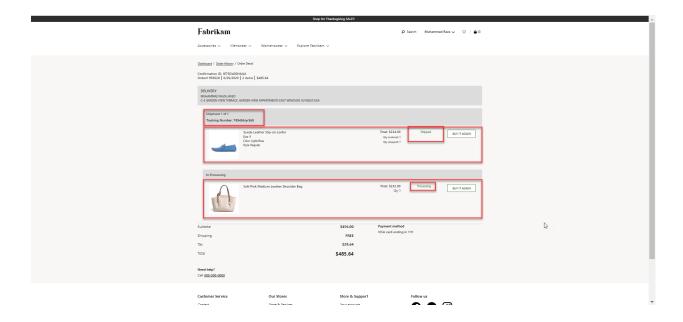


- 12. Enter tracking number in tracking info section and save it.
- 13. Verify all the packing slip values and update quantities on the lines and then hit 'OK' to post the packing slip.



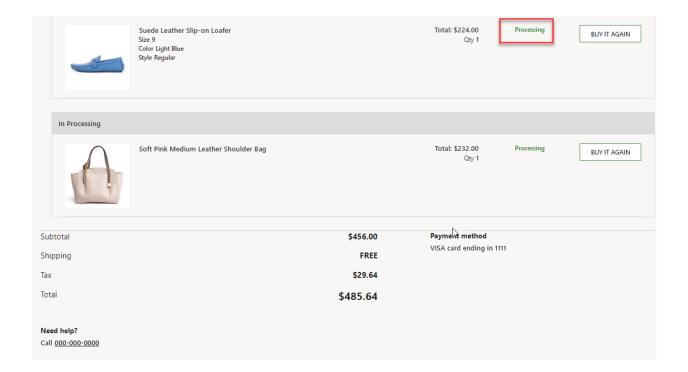
- 14. Posting of the packing slip successfully will trigger the NARVAR integration and generate the tracking information for the order. Which can be seen by clicking the 'Order History' option in the Account section of the online web store.
- 15. Tracking number and delivery related details can displayed on both 'Order history' page as well as on 'Order Details' page.
- 16. Item which was fulfilled will have a 'Shipped' status

17. The item which is not currently being fulfilled will have a status of 'Processing'



3.3.3.Packing Slip Cancelation

If/when a packing slip is canceled in D365FO for any reason, the corresponding order in the web online store changes its status from 'Shipped' to 'Processing' and tracking information is removed from the web order as well.



3.4 Partial and Full order cancellation

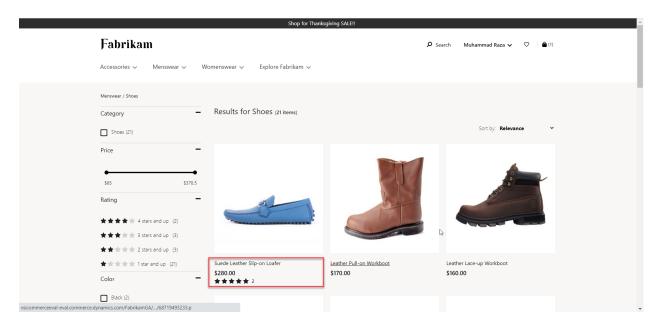
3.4.1. Scenario Details

Customer places an order on Online Ecommerce Store and partial order or complete order is canceled by the warehouse, because of item non availability or the customer cancels the order himself.

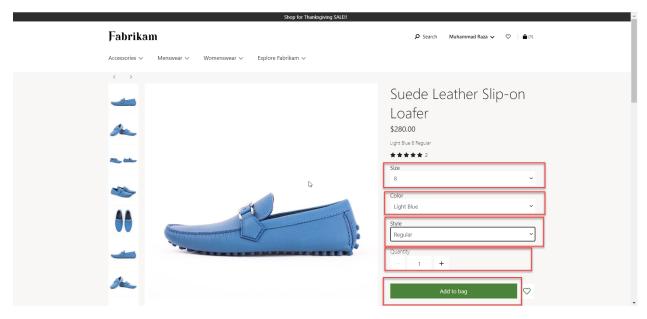
Order tracking details are generated in this particular scenario for the lines which are not canceled. If the complete order is canceled, no tracking information will be generated for this particular order.

3.1.2. Detail Steps

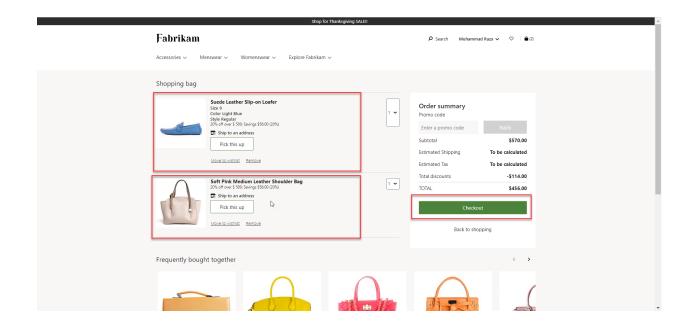
1. Go to Online Ecommerce store and select Item(s) which are to be added in the cart.



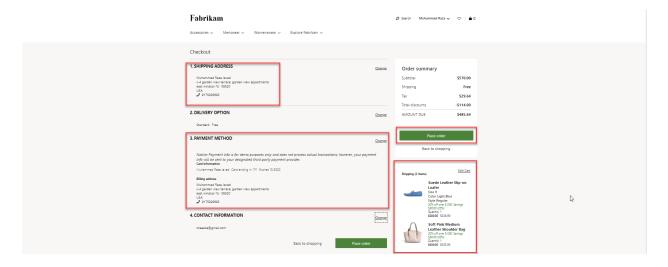
- 2. Now, select the variant (size, color, style etc) and the Quantity as per need.
- 3. Click 'Add to bag' button.



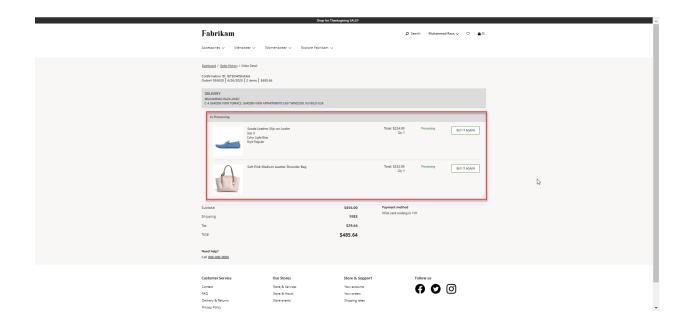
- 4. System will now navigate to 'Shopping bag' page where the user can select whether the selected items should be delivered to an address or will be picked up in store.
- 5. Select 'Ship to Store' option and then click 'Checkout'.



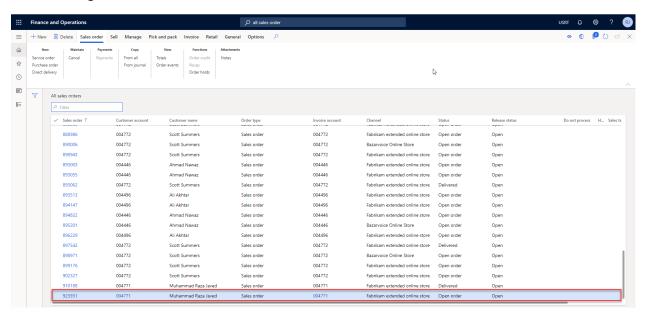
- 6. User will now be routed to the Checkout page where following details need to be entered to complete the order:
 - a. Shipping Address
 - b. Delivery Options
 - c. Payment Information
 - d. Contact Information



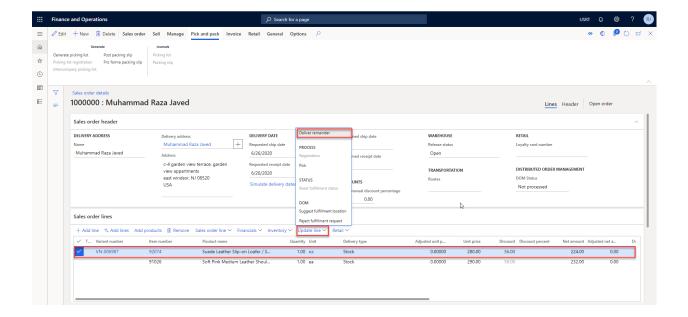
7. Once the order has been placed, 'Order Confirmation' page will display all important order details.



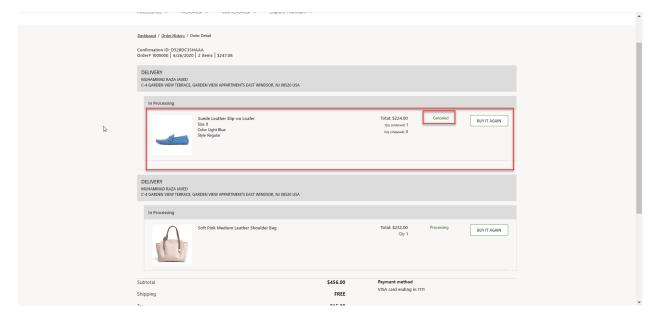
- 8. Scheduled P-0001 Job and Synchronize Orders Job in D365, will pull the order in D365FO back-office and create a sales order for the corresponding Online Web order.
- 9. Navigate to Retail and Commerce->Customers->All Sales Orders to find the sales order.



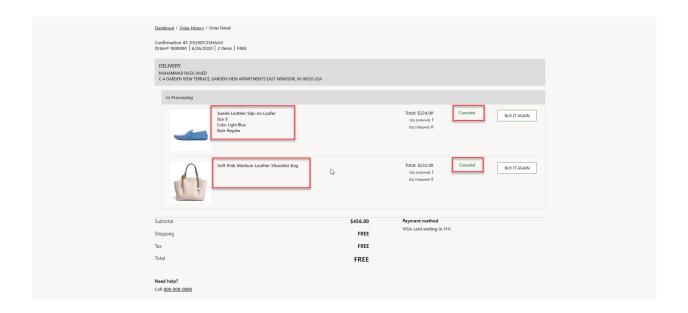
10. To cancel one or more lines, select the line and Click on 'Update Line' tab and click on 'Deliver Remainder' and Cancel the deliver remainder. The status of the line in D365FO will be changed to 'Canceled' as well.



11. The corresponding online store order line also depicts the 'Canceled' status.



12. Canceling the remaining lines in D365FO will mark the sales order as 'Canceled' in D365FO and its corresponding online store order will be marked as canceled as well.



3.5 Tracking information on sales order

The tracking URL builder's trigger point is the tracking number entered in the packing slip. The tracking number can be entered manually or any 3rd party API integration.

- 1. Navigate to sales order and open relevant sales order
- 2. Generate and register picking list
- 3. Click on post packing slip on the Pick and pack action menu
- 4. In the overview section, click on tracking information
- 5. In the tracking information screen, press Add to enter a tracking number
- 6. Enter tracking number and save
- 7. Close the tracking information screen and user is taken to the packing slip posting screen
- 8. Post the packing slip
- 9. Open the posted packing slip and click on tracking information
- 10. The tracking URL as per Navar parameters is displayed
- 11. The tracking URL and image from Narvar will also be displayed to the customer on order detail screen and on email (when packing slip is posted)
- 12. The customer will also receive an email (see Email configuration section) on which tracking information will be displayed

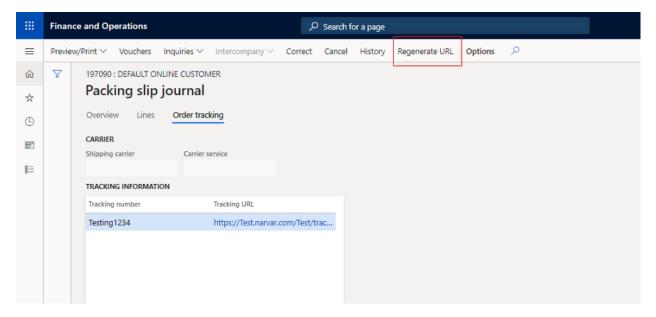
13. Clicking on the tracking information will redirect the user to Narvar page with detailed information about the tracking

3.6 Regenerate tracking URL

In the scenario that a URL has failed to be created for any packing slip due to some missing parameter in the configuration, a regenerate URL button is provided to user to manually regenerate tracking URL from the packing slip journal screen

A URL can fail to geneate due to following conditions:

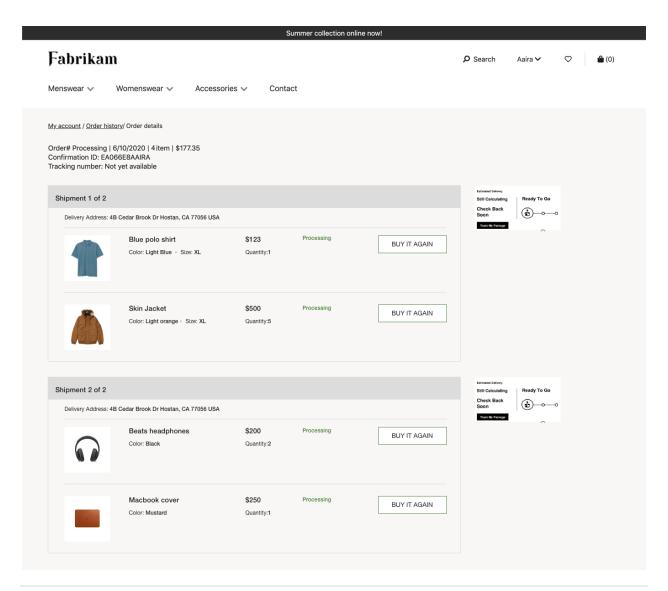
- 1. Retailer name has not been entered
- 2. Mode of delivery is not associated to Narvar carrier information
- 3. If such a case arises at time of packing slip posting, an error message is displayed next to the URL field.
- **4.** After entering the missing paramters, navigate to sales order and open relevant sales order that has an error against the tracking URL
- 5. Open the posted packing slip
- 6. Click on the Regenerate URL button. This will regenerate the URL.
- 7. The URL will now also be available on the order details page of the customer

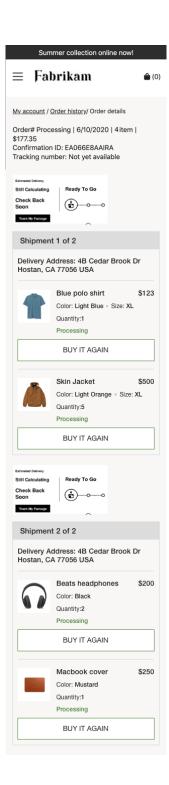


3.7 Tracking info on e-commerce order detail screen

Once the tracking URL has been generated, it will be used to display the tracking information on the online e-commerce site in the order history and details screen.

- 1. This will be directly integrated from Narvar and will show info against the products for the customer.
- 2. The tracking information will be displayed per packing slip (group by shipment).
- 3. Similar products will be aggregated e.g. if there are 3 x Blue Suede Pumps, it will be shown once with 3 qty
- 4. The "Track my package" button will redirect the user to the tracking information on Narvar website for this particular shipment





3.8 Tracking info on email

Once packing slip has been posted from backoffice, an email will be sent to customer (needs to be configured in D365) which will have the order details with tracking information. This will be similar to tracking info div shown on e-commerce order detail screen. This will be directly integrated from Narvar and will show info against the products for the customer.

- 1. The tracking information will be displayed per packing slip (group by shipment).
- 2. Similar products will be aggregated e.g. if there are 3 x Blue Suede Pumps, it will be shown once with 3 qty
- 3. The "Track my package" button will redirect the user to the tracking information on Narvar website for this particular shipment