TravelOperations

Install/Test

TravelOperations Business
for Microsoft Dynamics 365 Business Central

TO:

Install and Test add-on

Done by:

Jeppe Lægaard

Date:

19/03/2019

Travel Operations | Maalev Byvej 229 | DK-2760 Copenhagen | Denmark | +45 48 13 31 33 | info@traveloperations.com
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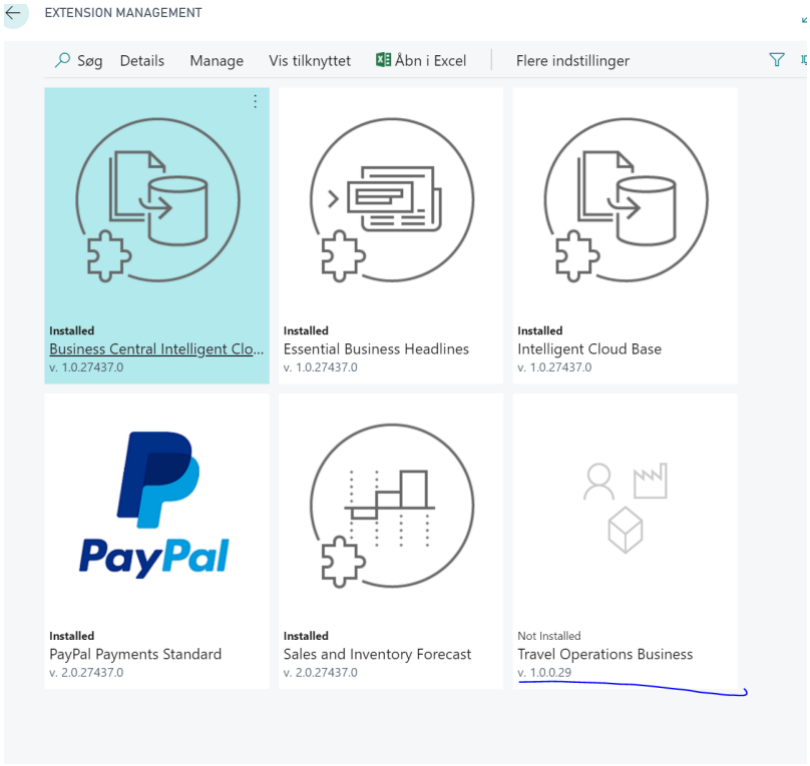
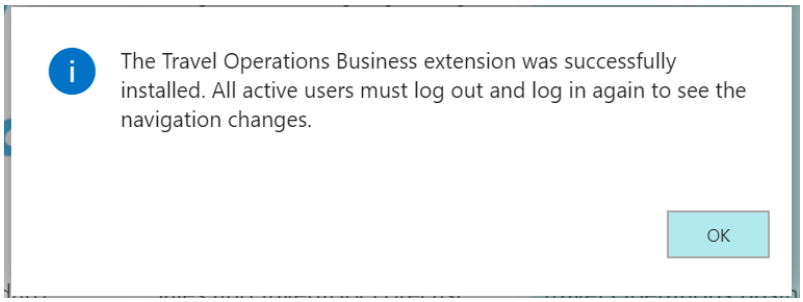
1. Install

In Extension management chose to install the "**TravelOperations Business**".



The following should pop up.



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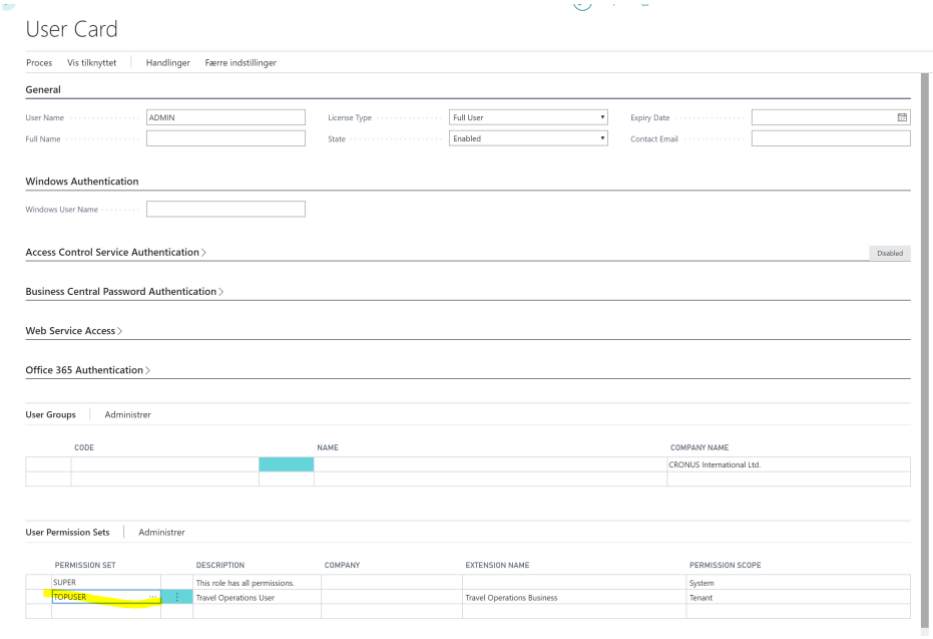
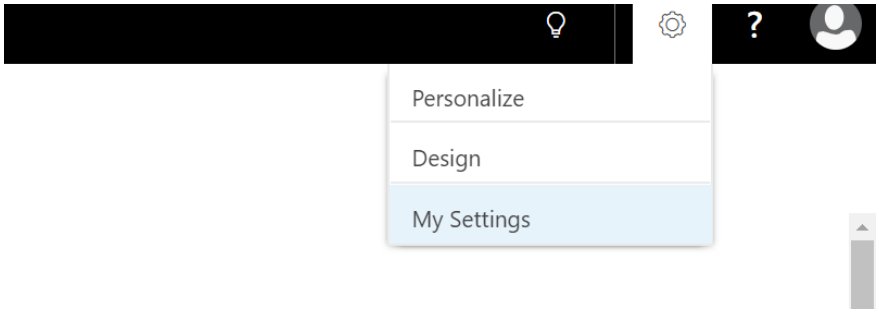
1.1 Setting up User Rights

Add the permission **TOPUSER** to the users who should have access to the Role Center and use the add on.



1.2 Setting up Role Center

After installing you will need to change the Role Center as follows:
Left click on the cogwheel → and then click "**My Settings**".



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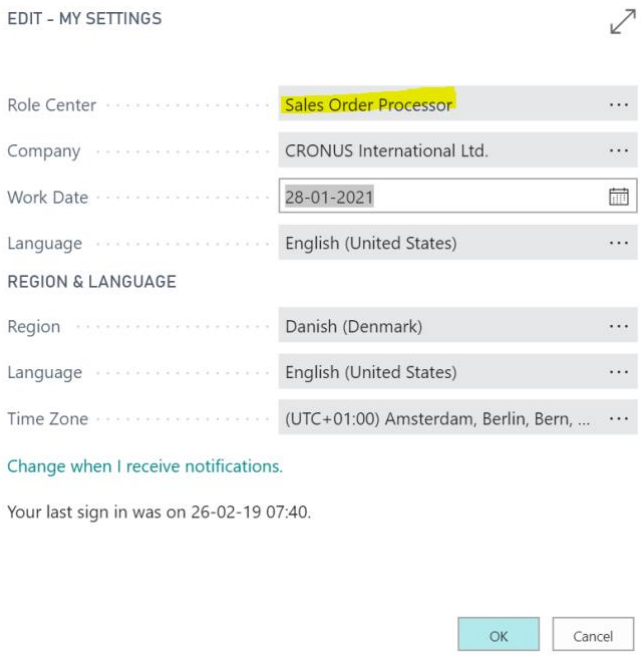
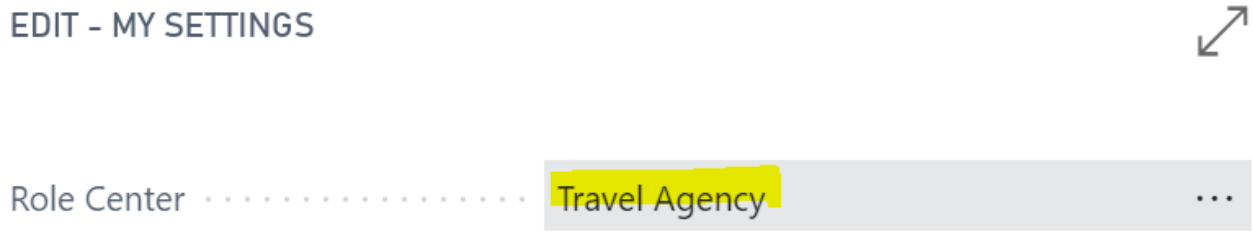
Change the following:



Choose the Travel Agency:



and click OK. You are now using the travel Role Center.

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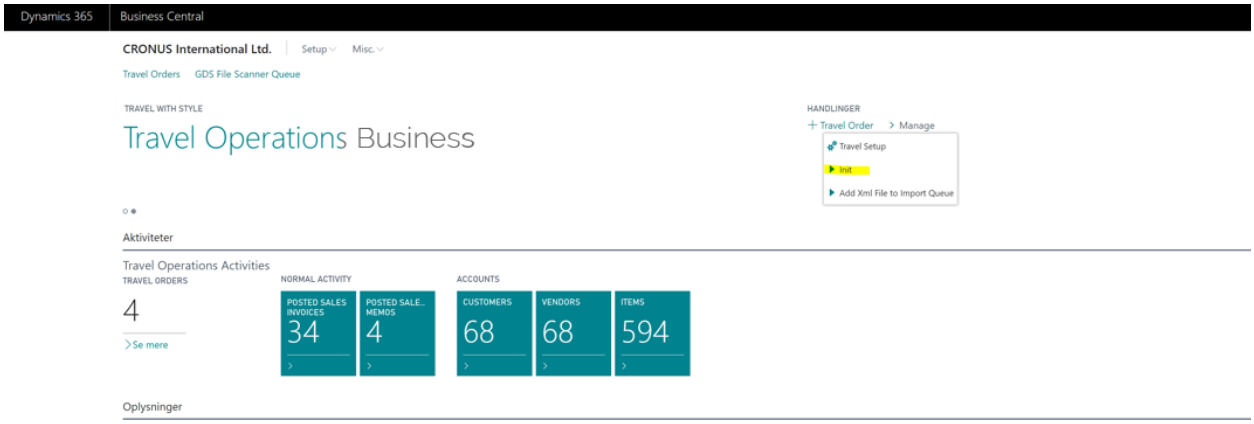
1.3 Initialize data

To continue we need to load the setup data for the module. You do that by pressing "**>Manage**" on the right and then press "**Init**". Each user needs to have user rights to do setups in Finance and Items. The Microsoft Dynamics 365 Business Central full access is recommended for this setup.



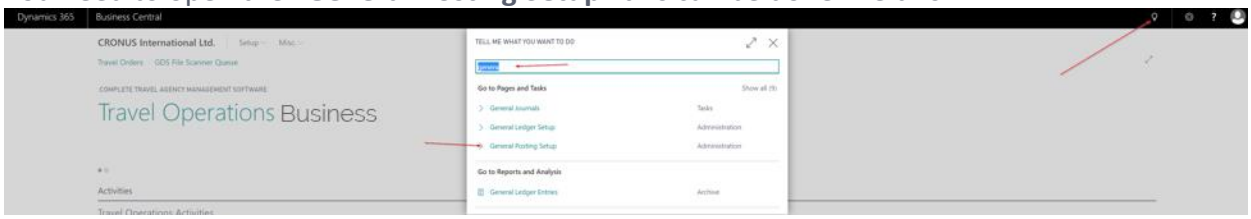
2. Setup needed for the cases

To be able to run the test cases, we need the following Setup´s to be checked and modified if not running together with a standard Cronus.

You need to have a Chart of account and a Finance Setup.

2.1 Check Posting Setup

You need to open the "**General Posting Setup**" this can be done like this:



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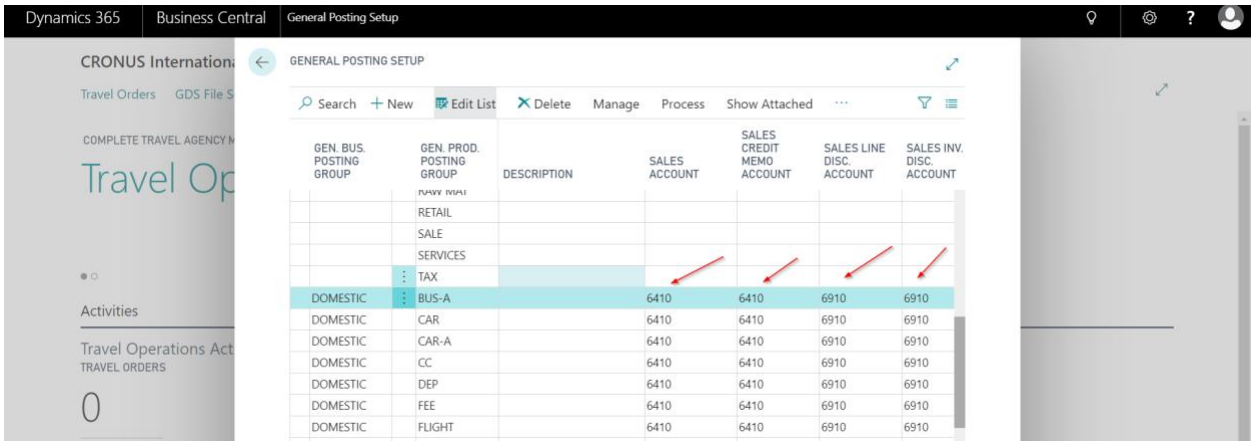
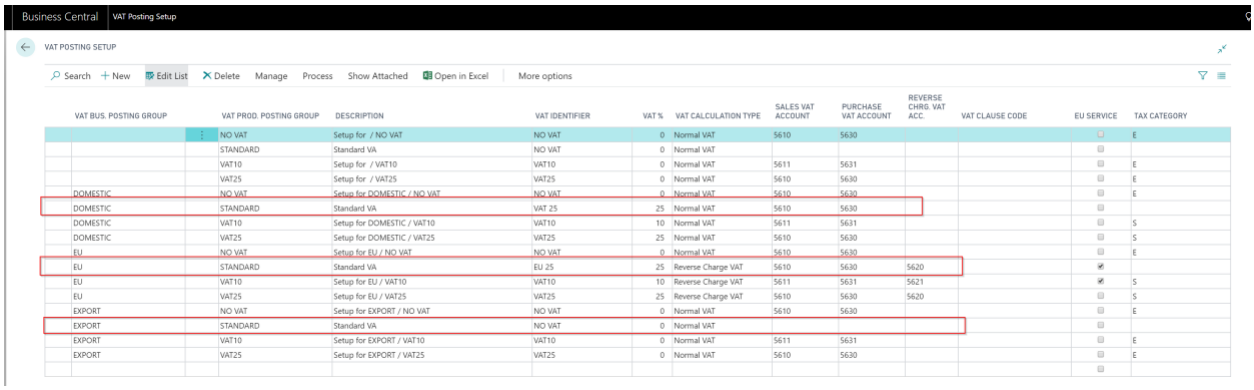
After that you need to run the lines one by one and change the accounts if it is not yet running on the Cronus Chart of account.



This is only needed for the test cases coming later.

2.2 Check VAT Posting Setup

Just like with the Posting Setup, open the search and search for VAT Posting Setup. This will give you a screen as below. The lines marked are the new ones where you need to make sure the accounts are the correct VAT accounts.



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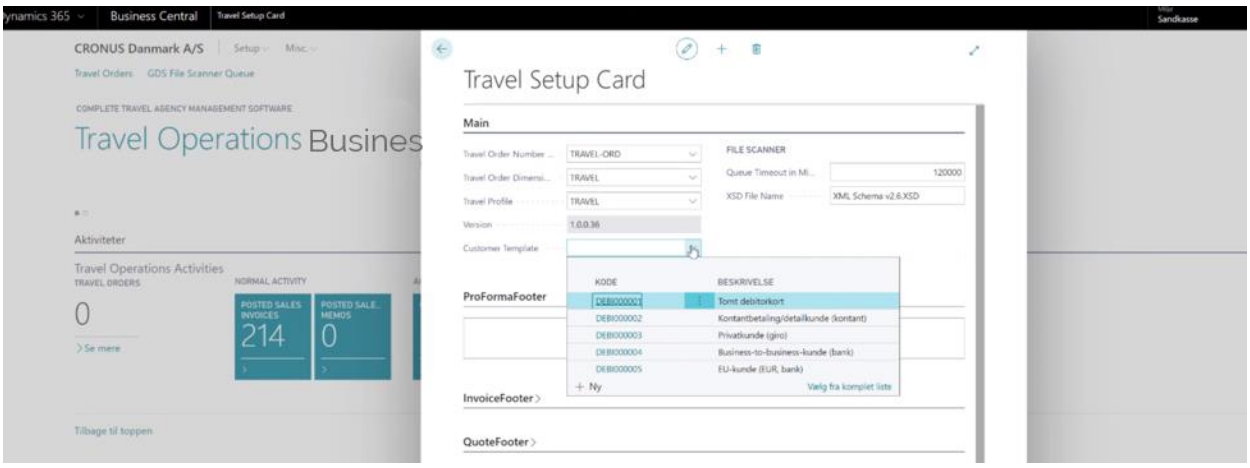
2.3 Customer template

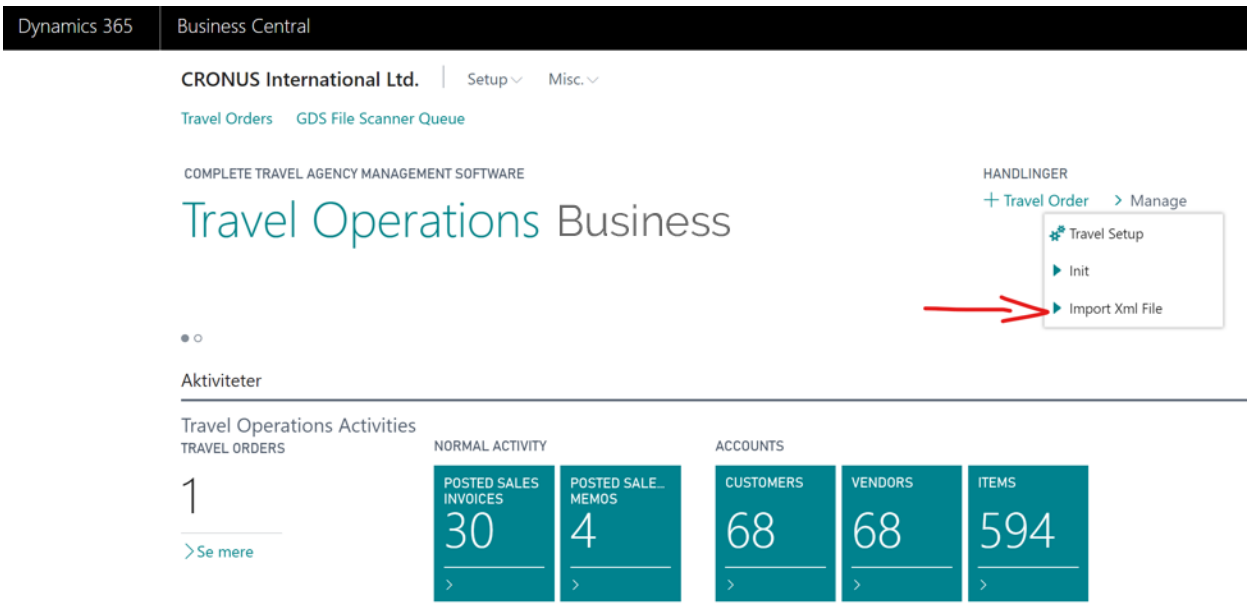
If not running a Cronus test database, you need to create a customer template and add it in the Travel Setup.



3. XML import cases

3.1 Import flight ticket

To start the import of the Travel Order, start on the Role Center and click on "**>Manage**" → "**Import Xml File**".



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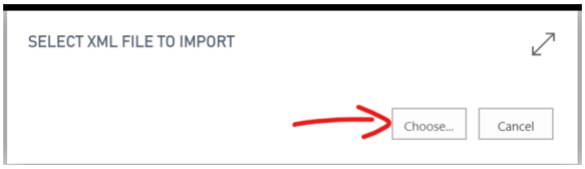
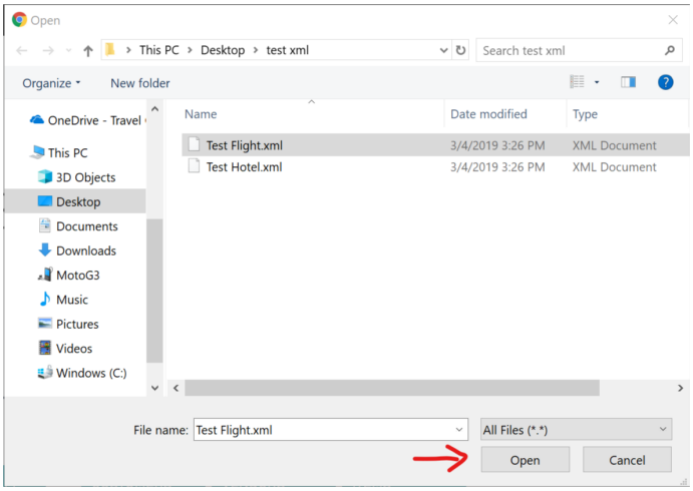
Press the "**Choose…**" button:



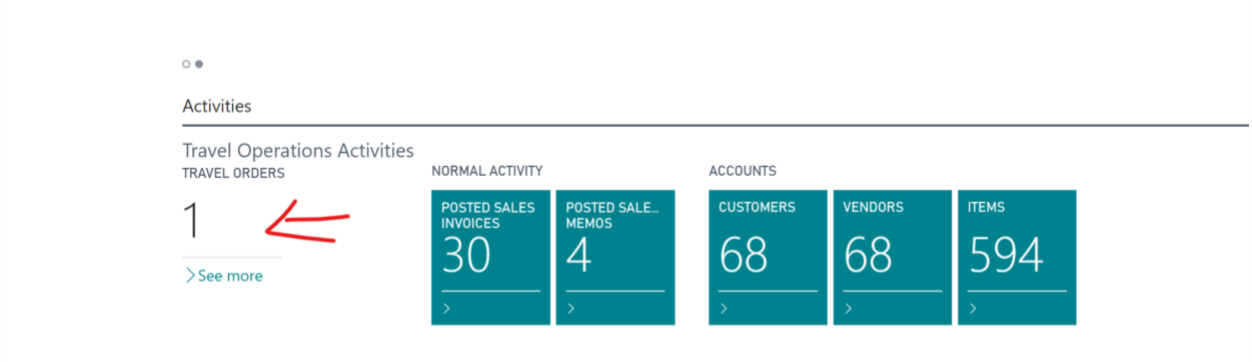
Select the "**Test Flight.xml**" file in the file chooser:



and click "**Open**".

3.2 Invoice the Travel Order

In the Role Center press "**Travel Order**".



Enter the Travel Order Card by clicking on the newly created Travel Order No.

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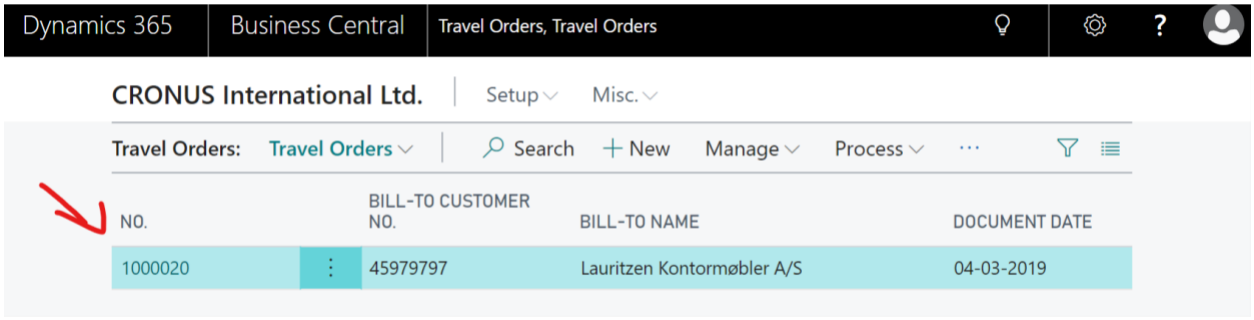
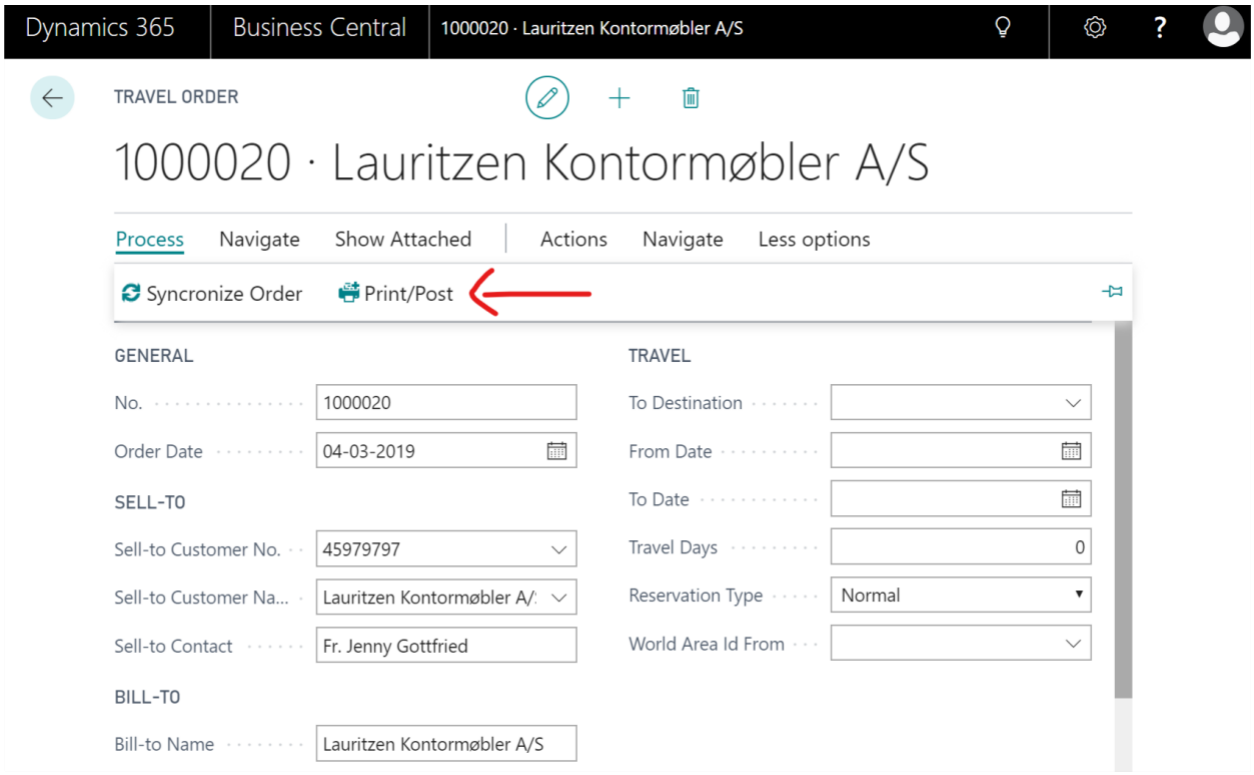


Go to "**Process**" → "**Print/Post**".



Select "**Posting**", "**Print Invoice**" and choose "**Screen**" in "**Send all to**".

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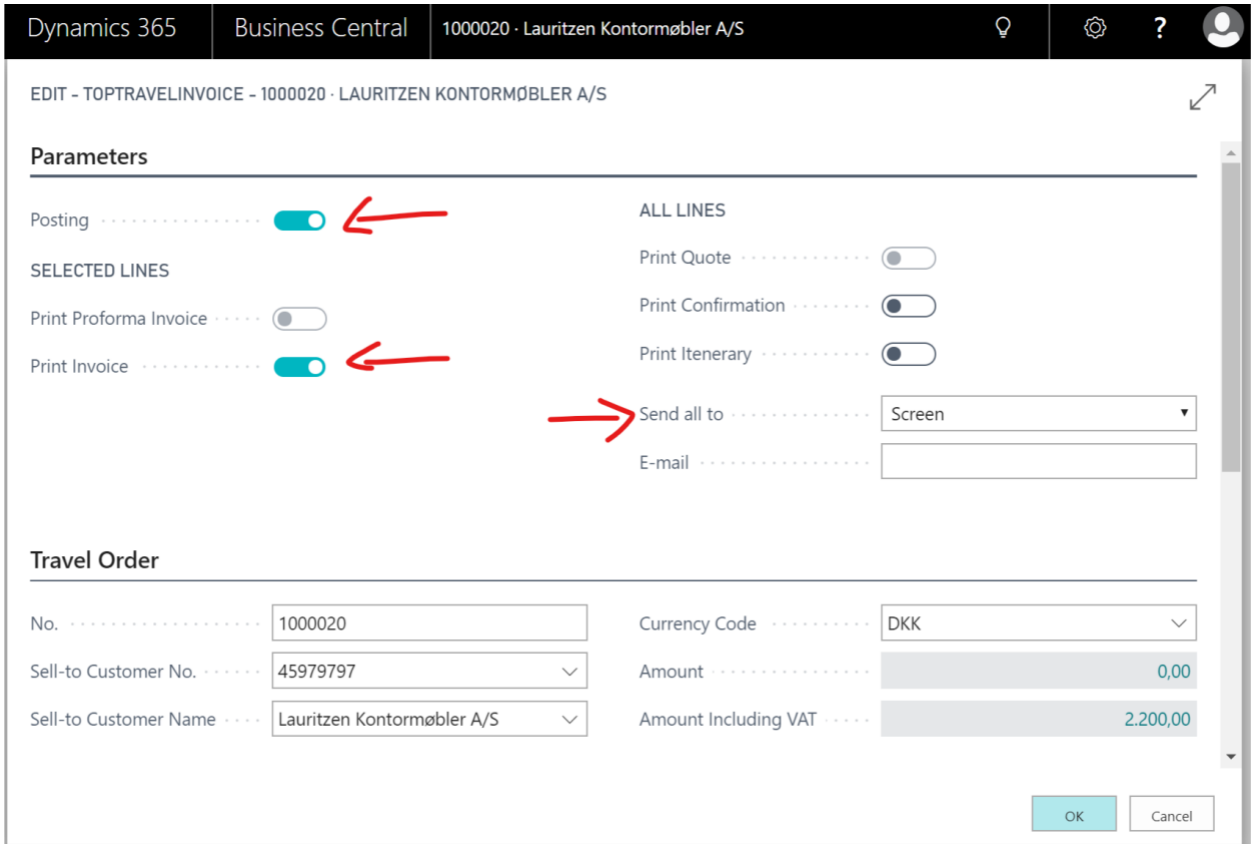
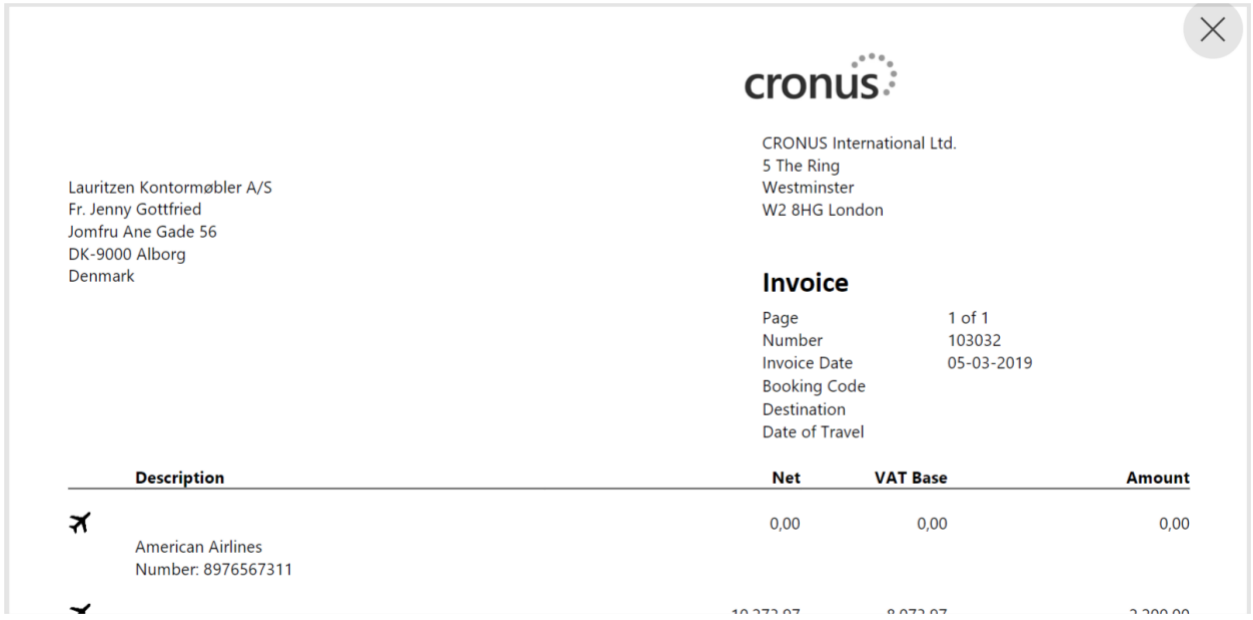


Press "**OK**" to continue.

You should be presented with an invoice on the screen.



This concludes the test step.

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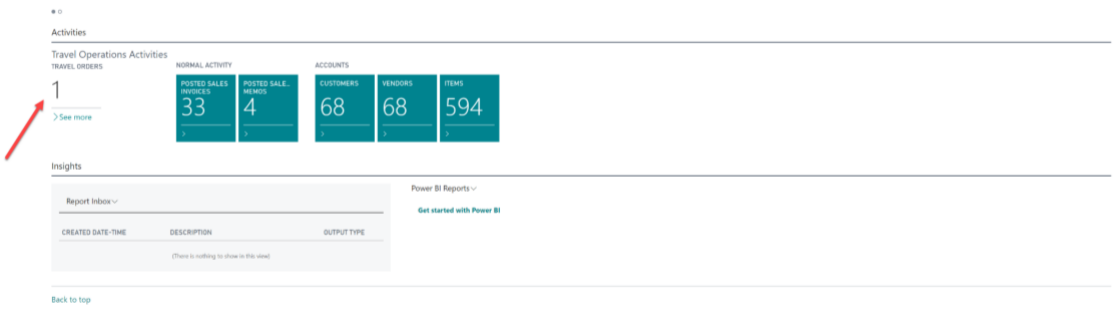
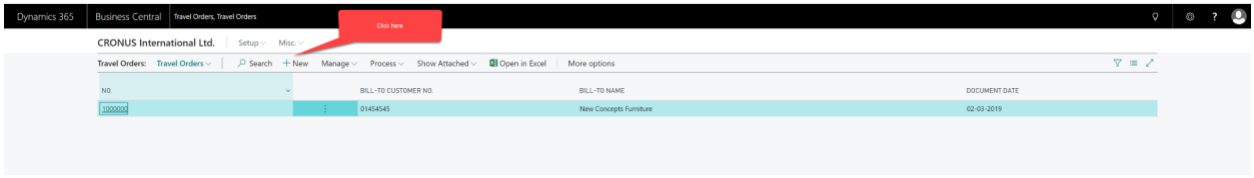
4. Manually created Travel Orders

To start the creation of a Travel Order, start on the Role center and click on "**Travel Orders**".



Then you will get this list:

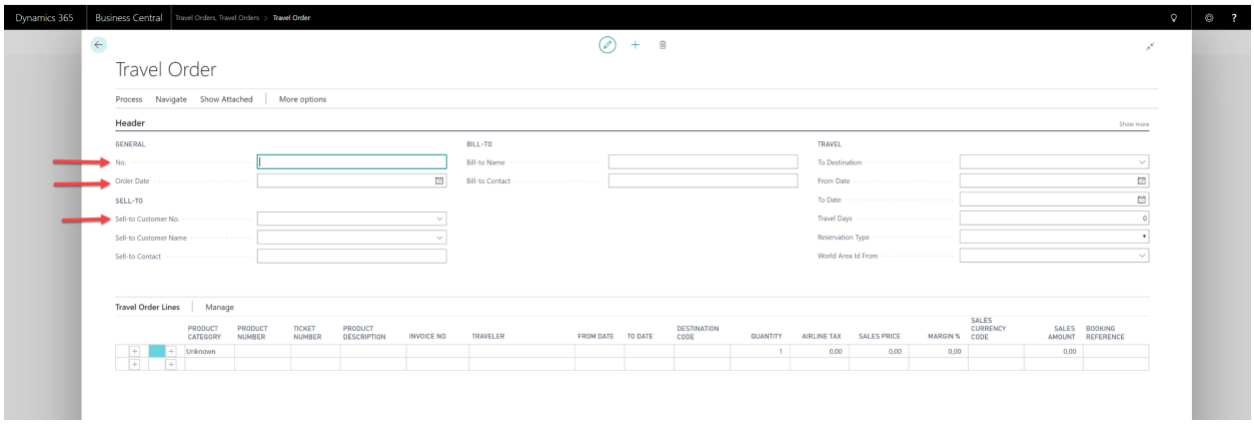


Click on "**+New**".

4.1 Create the Order

This opens a new blank Travel Order

1. Click enter in "**No.**" then you get a travel order number
2. Change "**Order date**" if you don't want todays date
3. Add the customer from the list – recommended: "01121212"



You don't need to add more in the header for now. More will come when you have added the lines. In this order we will add a plane ticket, a hotel booking and a Car rental.
We will start with the plane ticket.

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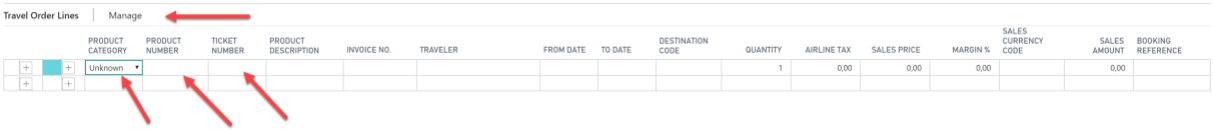
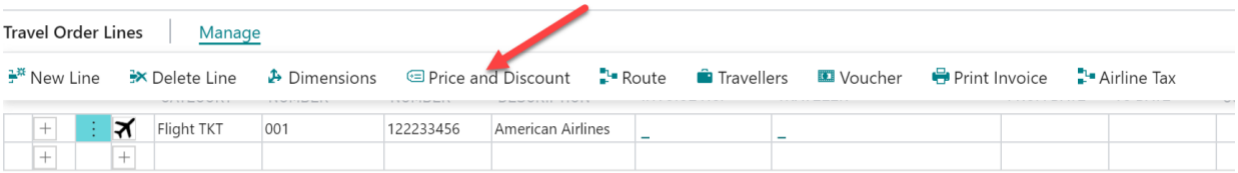
4.2 First order line

On the line do this

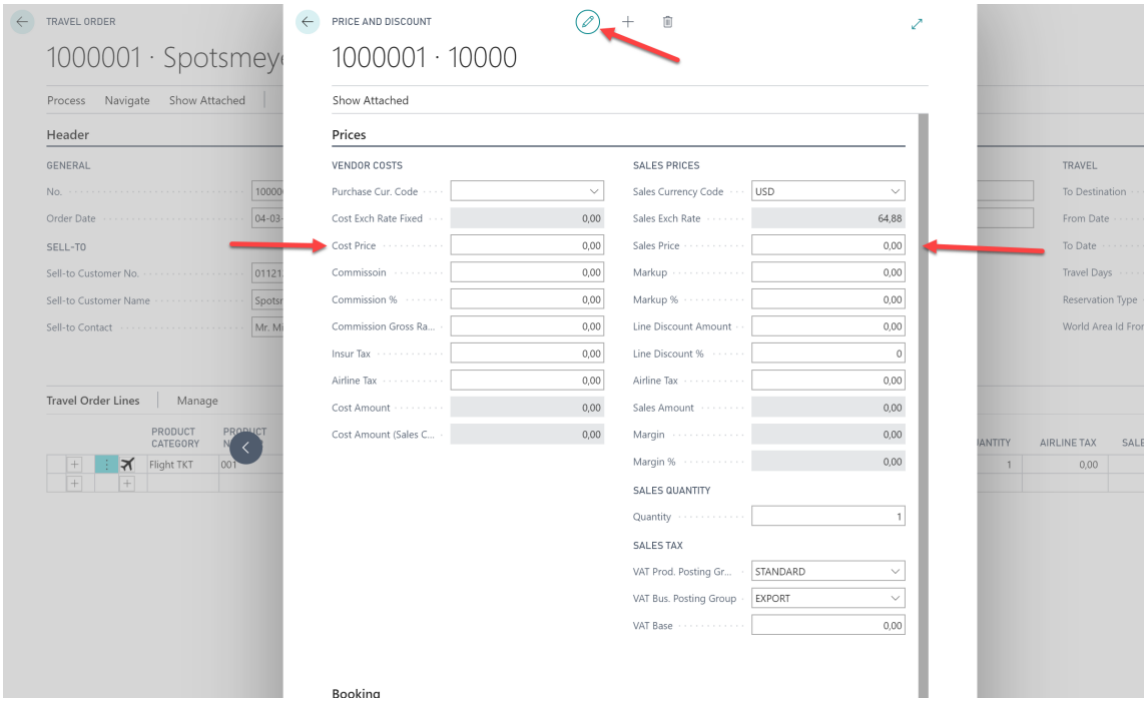
1. Chose Product category “Flight TKT”
2. Chose product number “001”
3. Write ticket number “122233456”
4. Then click on “**Manage**”



It will look like this:



1. Then Click on “**Price and Discount**”
2. Click the pencil on top to allow edit
3. Put in the “**Cost Price**” to 500
4. Put in the “**Sales Price**” to 1000
5. And close it



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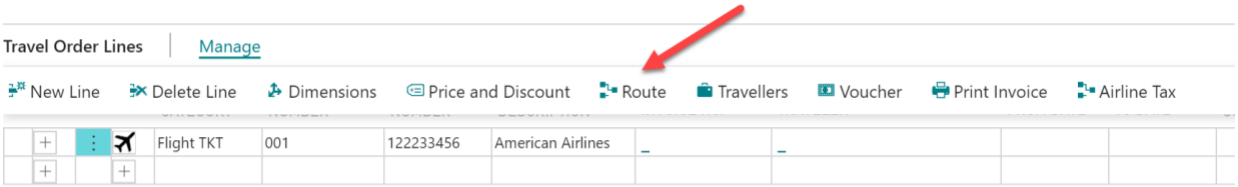
Open the "**Route**".



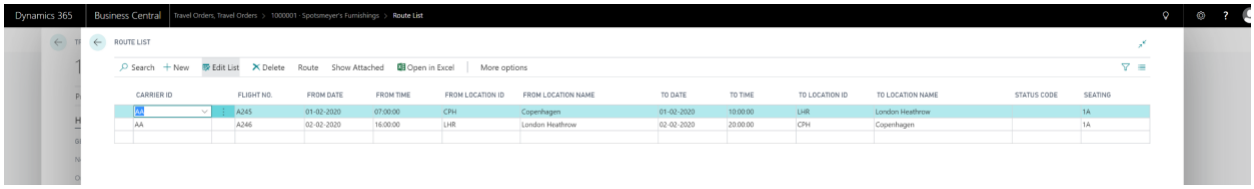
Press "**+New**"

Add the following

Line 1: Carrier: AA, Flight: A245, From date 01-02-2020, time 07.00.00, From location id: CPH, To date: 01-02-2020, To time: 10.00.00, To location id: LHR, Seating: 1A

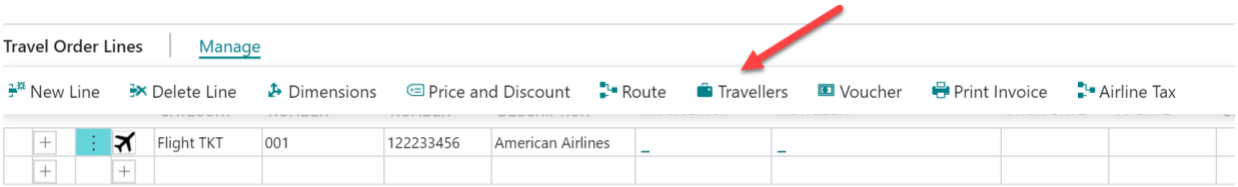
Line 2: Carrier: AA, Flight: A246, From date 02-02-2020, time 16.00.00, From location id: LHR, To date: 02-02-2020, To time: 20.00.00, To location id: CPH, Seating: 1A

in:

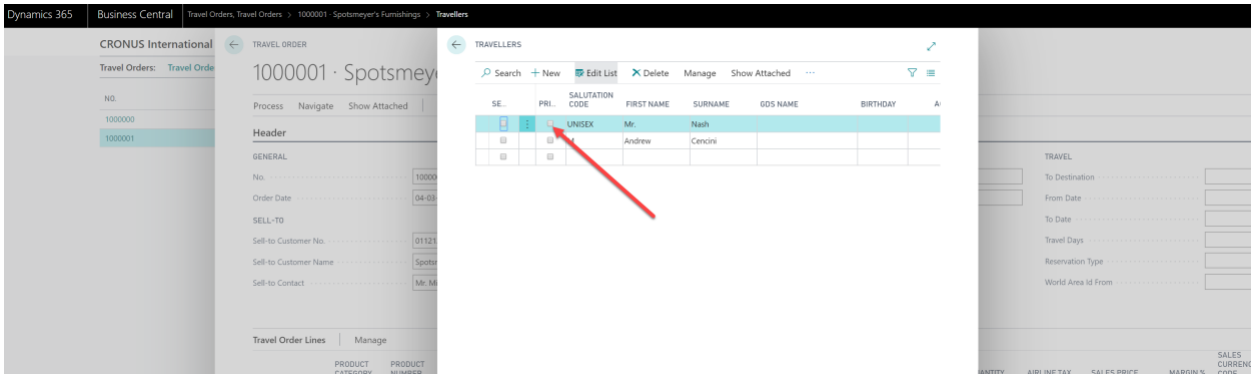


Then close the window again.

Now it is time to add the "**Travellers**".



Select the passages the ticket is for:



Make a check mark in "**Primary**" next to Mr. Nash.

Now we have the ticket. Let´s go on to the Hotel.

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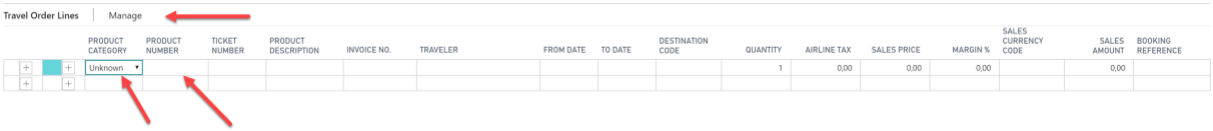
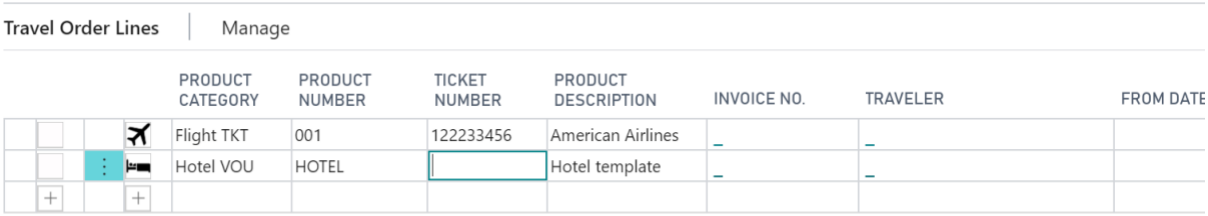
4.3 Second order line

On the line, do this

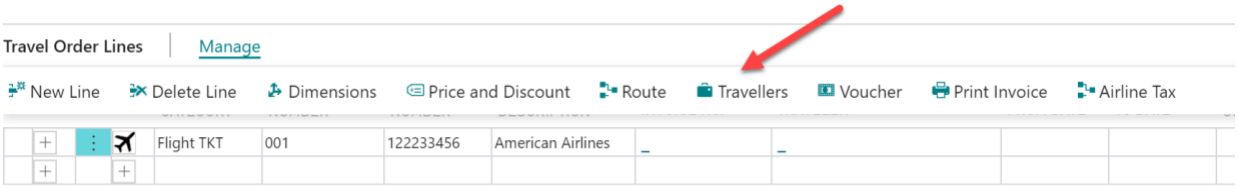
1. Chose Product category “Hotel VOU”
2. Chose product number “HOTEL”
3. Then click on manage



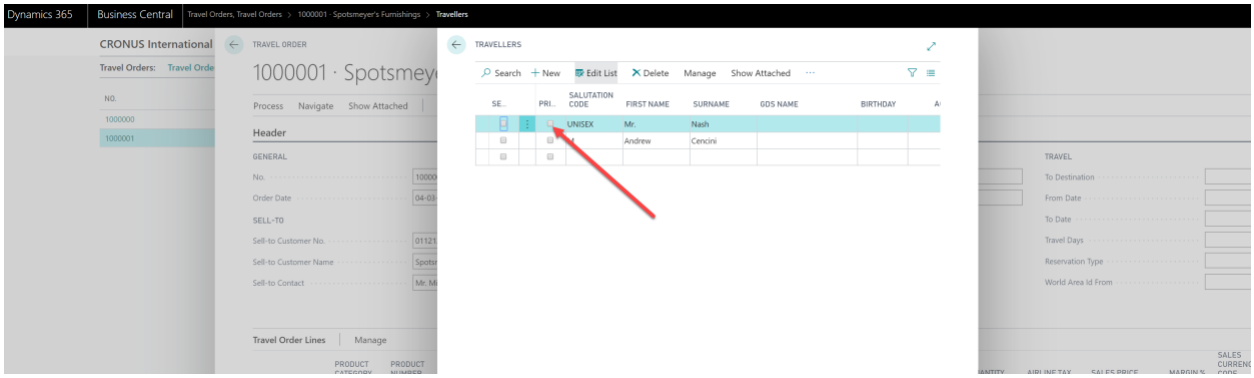
It will look like this:



Now it is time to add the Person staying in the Hotel room.



Select the passage the ticket is for:



Make a check mark in “Primary” next to Mr. Nash.

Now we need to update the price, time and address for the hotel. We add this in “**Voucher**”:

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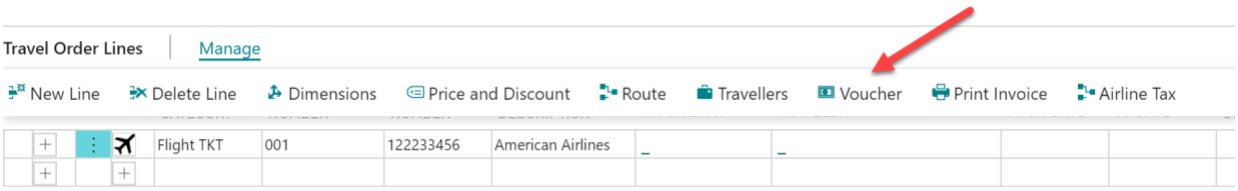
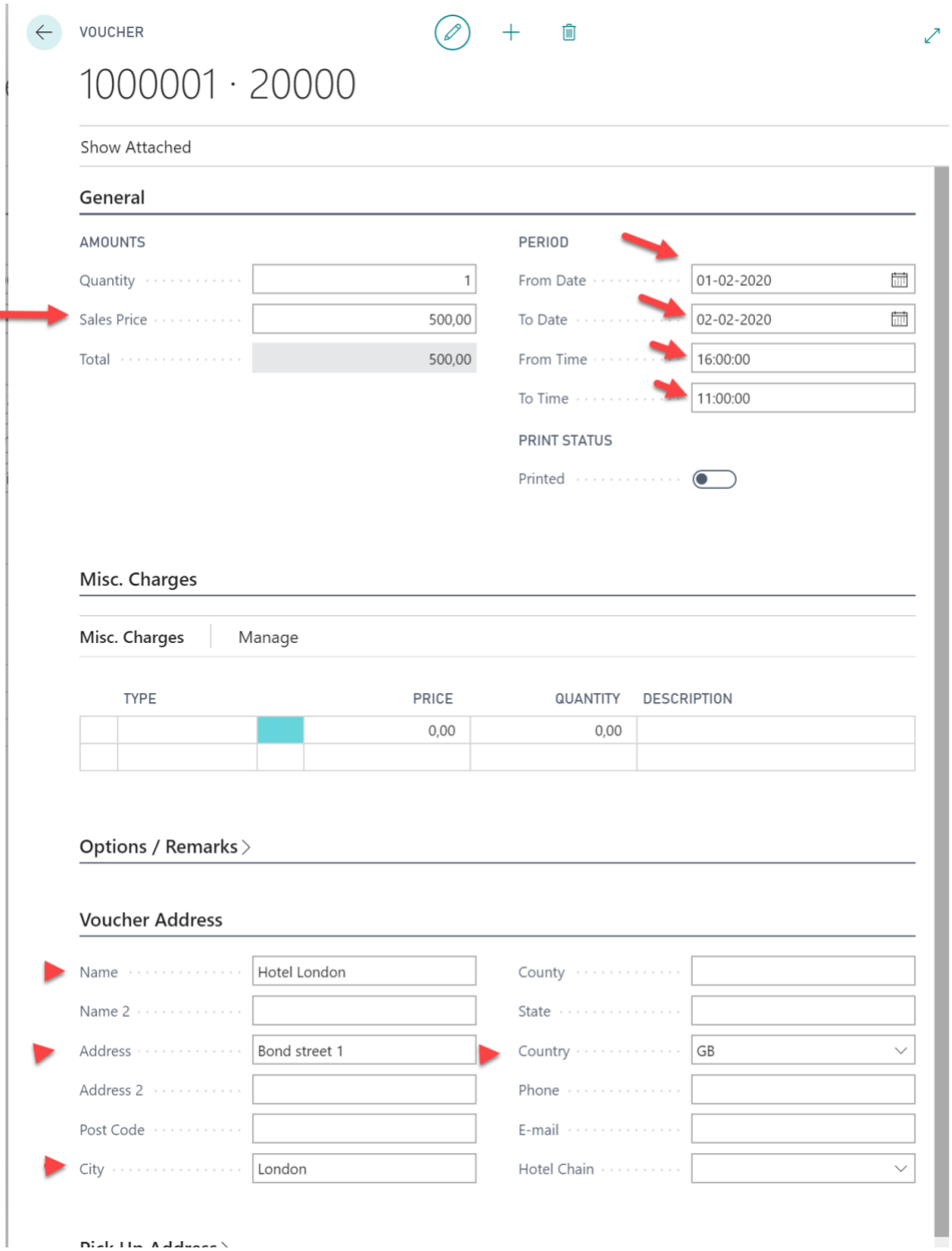


Here we need to add the following:



Close the voucher after.

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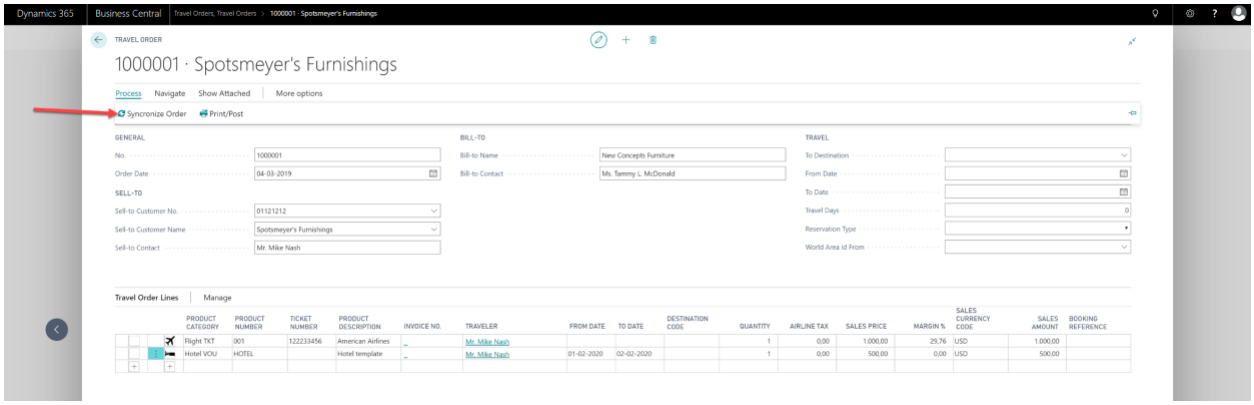
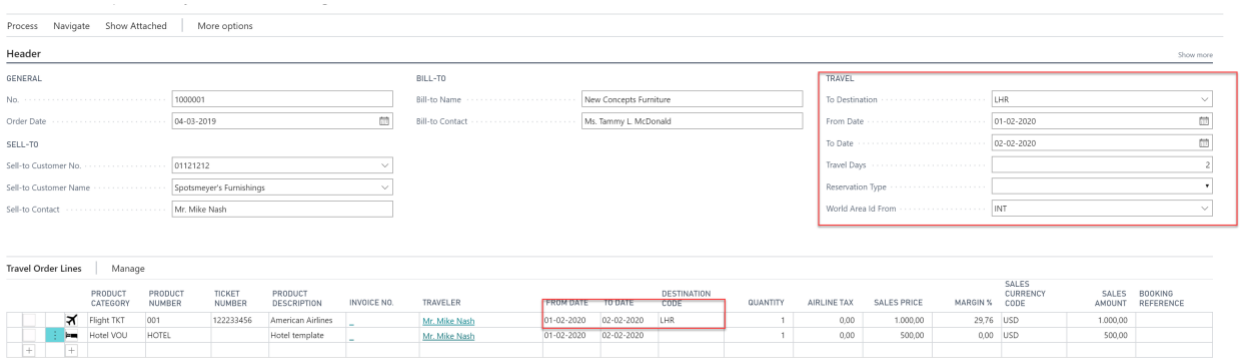
4.4 Synchronize order

Now need to update the order with departure, destination and dates.
This is done by this function:



It updates the header of the order and the plane ticket of the route with dates and destinations.



4.5 Invoice the Travel Order

Now it is time to create the invoice and send the mail to the customer. For doing that, click the "**Process**" → "**Print/Post**"

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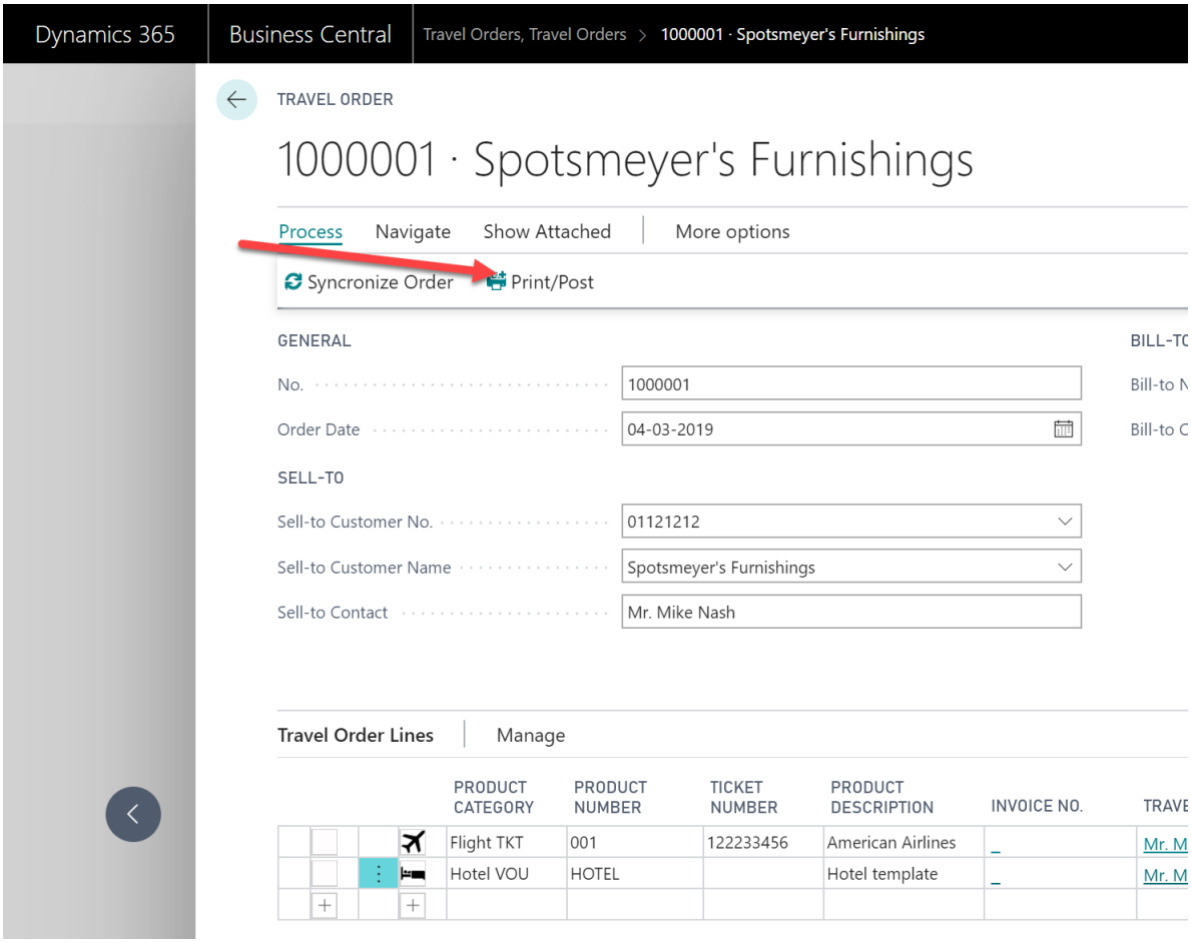

Here we need to mark the following things:

1. "**Posting**" to yes
2. "**Print Invoice**" to yes
3. "**Print Itinerary**" to yes
4. Add email (use your own)

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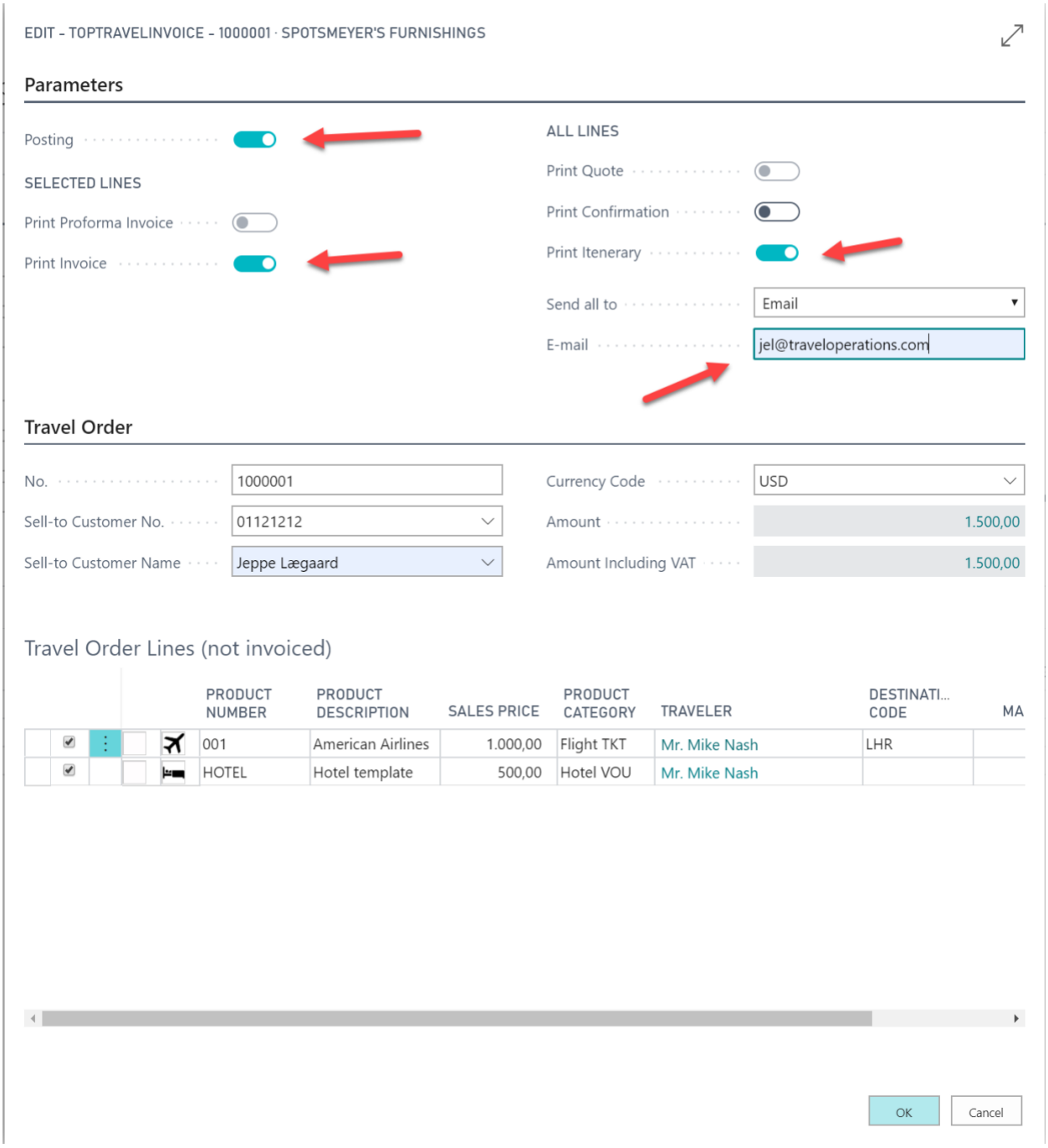

Press OK.

You should now receive a mail with 2 documents that look like this:

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cronus

CRONUS International Ltd.
5 The Ring
Westminster
W2 8HG London

Spotsmeyer's Furnishings
Mr. Mike Nash
612 South Sunset Drive
Miami, FL US-FL 37125
USA

Invoice

Page	1 of 1
Number	103035
Invoice Date	04-03-2019
Booking Code	
Destination	LHR
Date of Travel	01-02-2020

	Description	Net	VAT Base	Amount
✈	Mr. Mike Nash American Airlines Number: 122233456	770,63	229,37	1.000,00
🛏	Mr. Mike Nash Hotel template	0,00	500,00	500,00
			Invoice Total in USD	1.500,00

Due Date: 31-03-19

Sales Tax Code	Description	Amount Origin	Quantity	Tax %	Sales Tax Amount

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Itenerary

Number	1000001
Date	04-03-2019
Page	1 of 1
Travel Consultant	

✈	01-02-2020	Check In		Flight A245	Seat	1A		Mr. Nash
		Departure	07:00	Copenhagen	Terminal		Baggage: 0 kg	
		Arrival	10:00	London Heathrow	Terminal		Class:	
					Airborne			
✈	02-02-2020	Check In		Flight A246	Seat	1A		
		Departure	16:00	London Heathrow	Terminal		Baggage: 0 kg	
		Arrival	20:00	Copenhagen	Terminal		Class:	
					Airborne			
🛏	01-02-2020	Arrival	16:00	Hotel London				Mr. Nash
	02-02-2020	Departure	11:00	Bond street 1				
				London				
				GB				

This concludes the test of a manual Travel Order.

5. App Development info

5.1 Countries and Language

The app will be available in the following four countries: UK, DK, SE and NO

5.2 Number range in APP

Range 70275075 – 70276074

5.3 Dependency structure

There is no Dependency to other apps or localizations.

5.4 Reserved Pre-fix/Post-fix and naming convention

The extension uses the pre-fix/post-fix “TOP”. It is used in the following manner:

1. Object naming [Type][Number].[Pre-fix][object name].al
   Example: Cod50107.TOPInstall.al
2. In Object extensions the fields are also pre-fixed [Pre-fix][field name].
   Example: TabExt50111.TOPContactExtension.al
   field(50108; TOPPassportNumber; Text[50])
   field(50109; TOPPassportExpireDate; Date)

5.5 Function description - Install

When the extension is installed, the following functions are executed:

SetVersion

Updates the setup table “TOPTravelSetup” with the current version number of the app.

SetupSMTP

Updates the SMTP Setup table with a TravelOperations test mail account.

EnableHttpIfSandBox

Enables Web Service calls if it’s run in a Sandbox environment.

CheckVatProductPostingGroup

Makes sure we have a VAT Product Posting Group called “STANDARD”.

Pictures

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www.traveloperations.com

Populates the table “TOPPicture” with the relevant pictograms. The pictures are downloaded to a stream from our website: https://tobc.azurewebsites.net/res/

ProductTypes

Populates the table “TOPProductType” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

CreateProfile

Selects “TRAVEL” as the current profile, and updates “TOPTravelSetup”.

CreateNoSeries

Creates a number series for Travel Orders and updates “TOPTravelSetup”.

CreateDimension

Creates a Dimension “TRAVEL” for Travel Orders and updates “TOPTravelSetup”.

AddFileScannerToJobQueue

Creates the Job Queue Entry “GDSFileScannerQueue”

5.6 Function description - Init

CreateAccess

Adds the permission set “TOPUser” to the current user.

ImportWorldAreas

Populates the table “TOPWorldArea” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportAircrafts

Populates the table “TOPAircraft” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportCarriers

Populates the table “TOPCarrier” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportDestinations

Populates the table “TOPTravelLocation” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportP2PMileage

Populates the table “TOPPointToPointMileage” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportCountries

Populates the table “Country/Region” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportGenProdGrps

Populates the table “Gen. Product Posting Group” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

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ImportGenPostingSetup

Populates the table “General Posting Setup” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportVATSetup

Populates the table “TOPVatSetup” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportVATPostingSetup

Populates the table “VAT Posting Setup” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportUOM

Populates the table “Unit of Measure” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportItems

Populates the table “Item” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

ImportChains

Populates the table “TOPChain” with data. The data are downloaded from a CSV file to a stream from our website: https://tobc.azurewebsites.net/res/

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