UBX integration with WebSphere Commerce

The purpose of this document is to give you a step by step look at integrating UBX and WebSphere Commerce. Most of these steps are documented in the knowledge center, but hopefully the add screenshots here most things a little clearer and easier.

WebSphere Commerce Knowledge Center

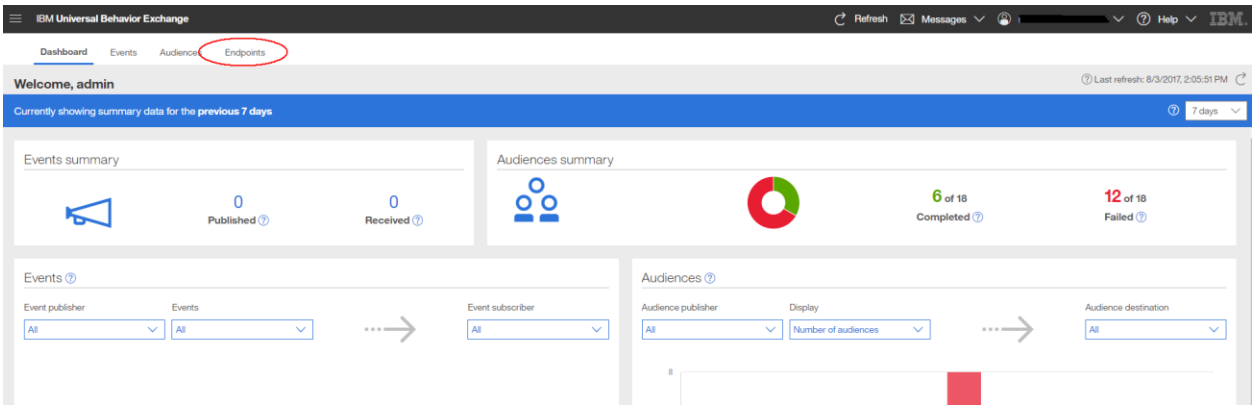
https://www.ibm.com/support/knowledgecenter/SSZLC2_8.0.0/com.ibm.commerce.integration.doc/concepts/ccvubx.htm

Registering Endpoint:

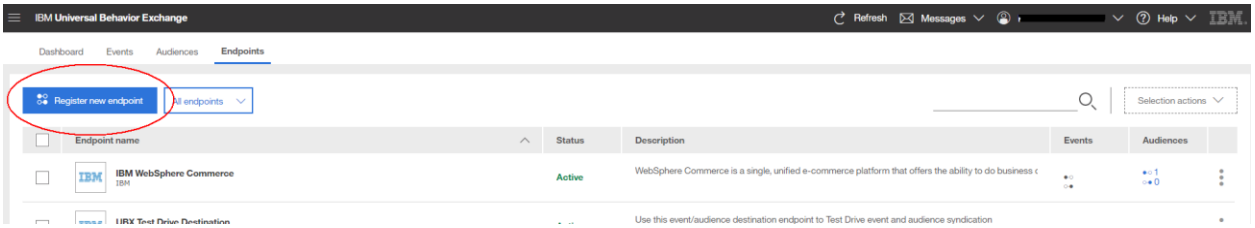
https://www.ibm.com/support/knowledgecenter/SSZLC2_8.0.0/com.ibm.commerce.integration.doc/tasks/tcvubxregister.htm

Registering the WebSphere Commerce Endpoint requires access to the Universal Behavior Exchange server UI and an admin User ID and password.

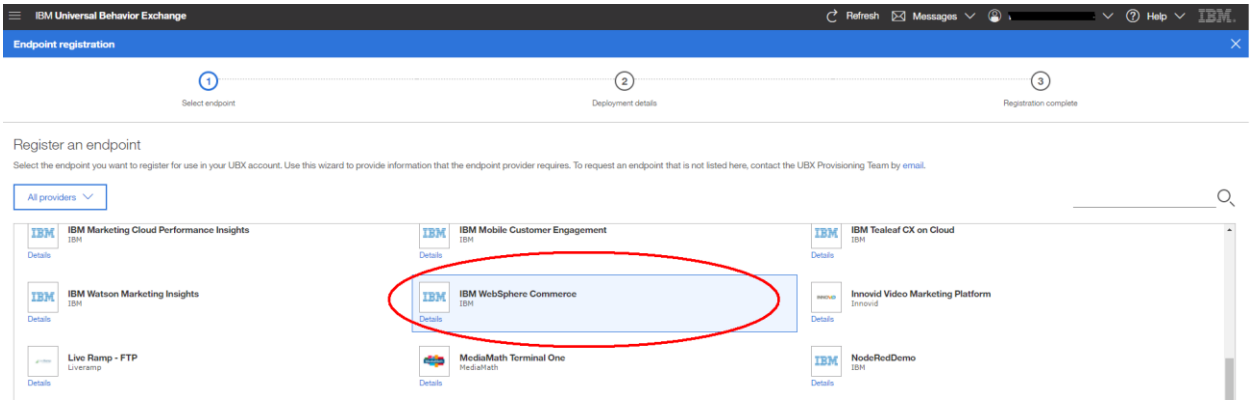
Select Endpoints tab:



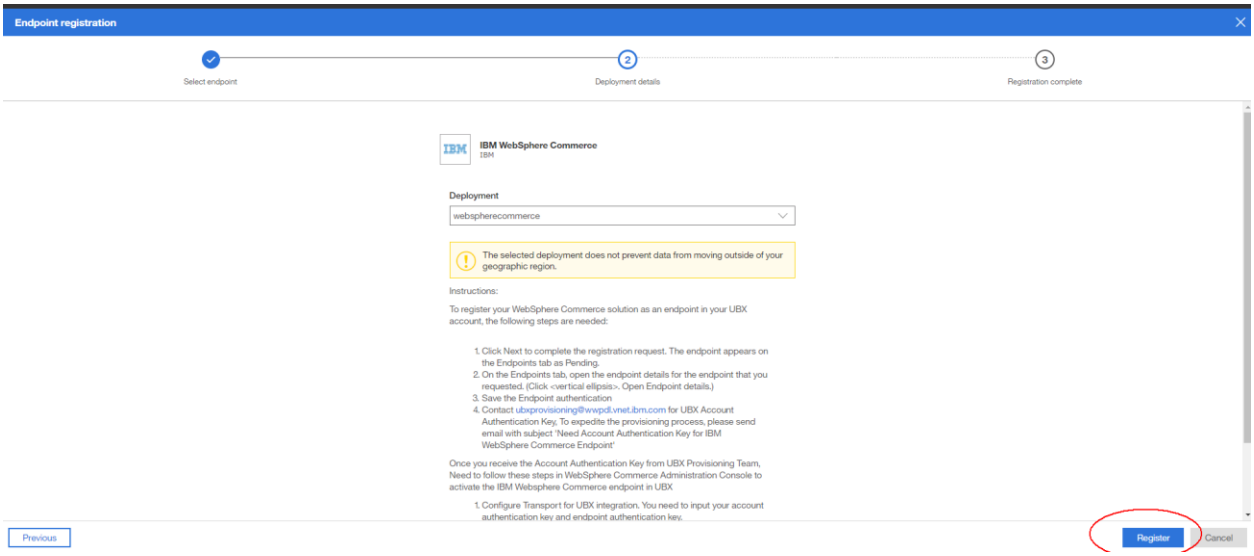
Click Register new endpoint



Select the IBM WebSphere Commerce provider



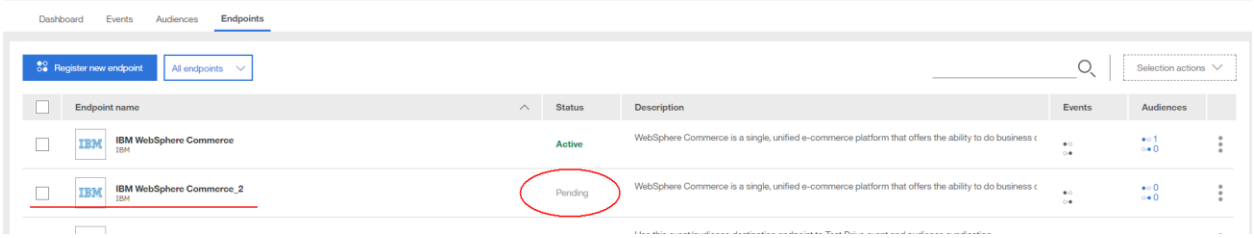
Click Next



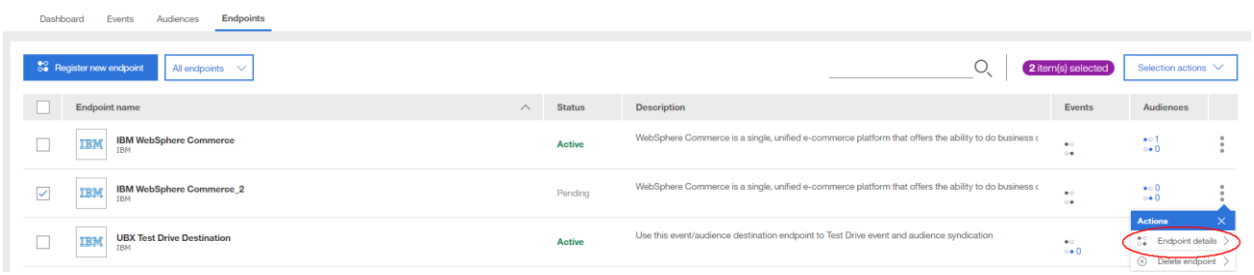
Leave defaults and click Register

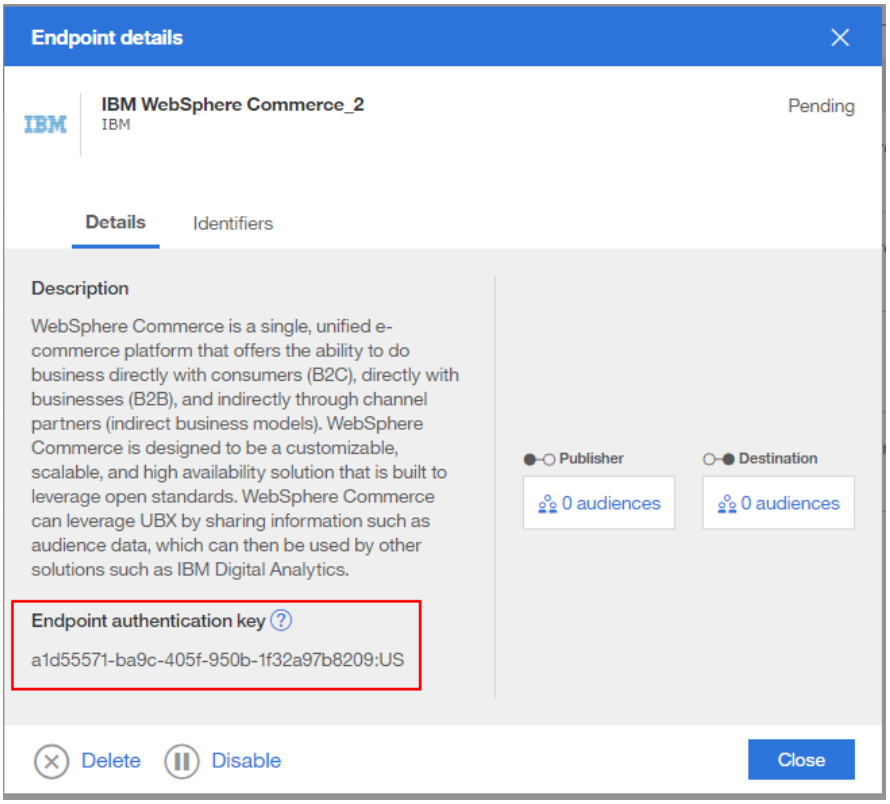
Close the "Thanks! , We Got it" screen.

You should now see your Endpoint in a Pending Status state.



Now we need to retrieve the EndPoint Authentication Key from the Endpoint Details:





Copy this Endpoint authentication key, you will need this later when configuring the transport in WebSphere Commerce. You can close this screen once you've copied the key.

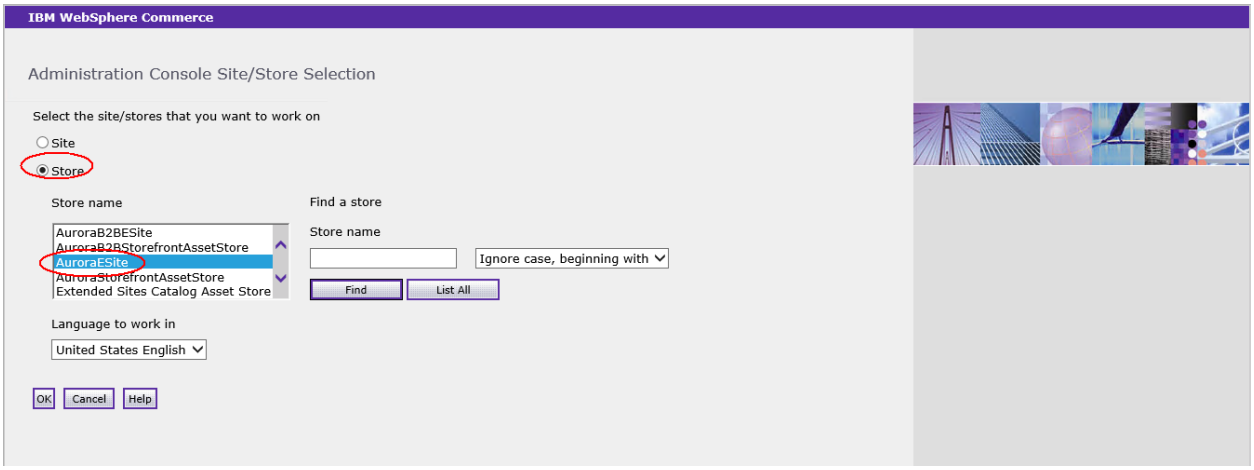
Now that the Endpoint is registered in UBX, we need to create a Transport and Scheduler job in the WebSphere Commerce AdminConsole that will run and activate the Endpoint.

https://www.ibm.com/support/knowledgecenter/SSZLC2_8.0.0/com.ibm.commerce.integration.doc/tasks/tcvubxtransport.htm

Access your Websphere Commerce Adminconsole:

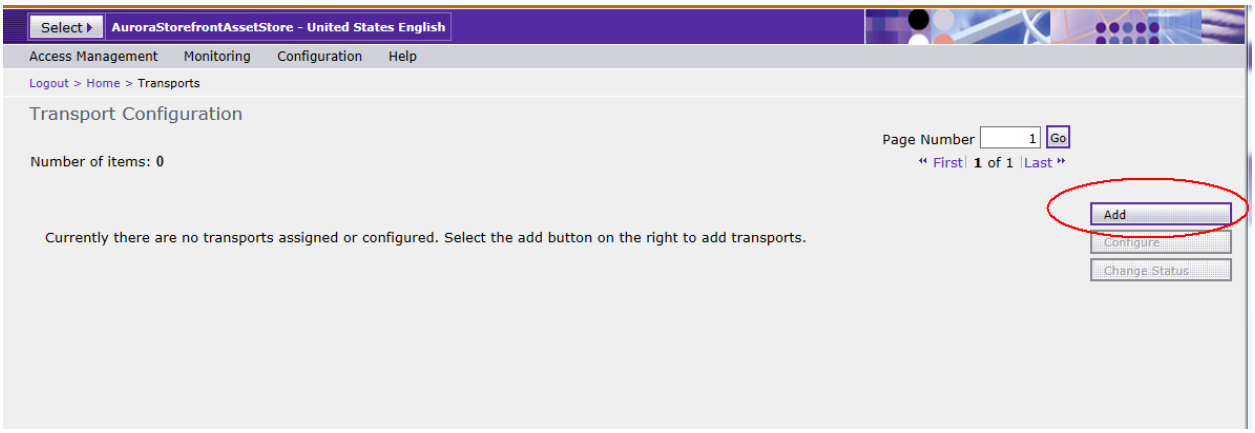
https://<hostname>:8002/webapp/wcs/admin/servlet/ToolsLogon?XMLFile=adminconsole.AdminConsoleLogon

Select Store that your working with.. In this example, we are using the AuroraESite:

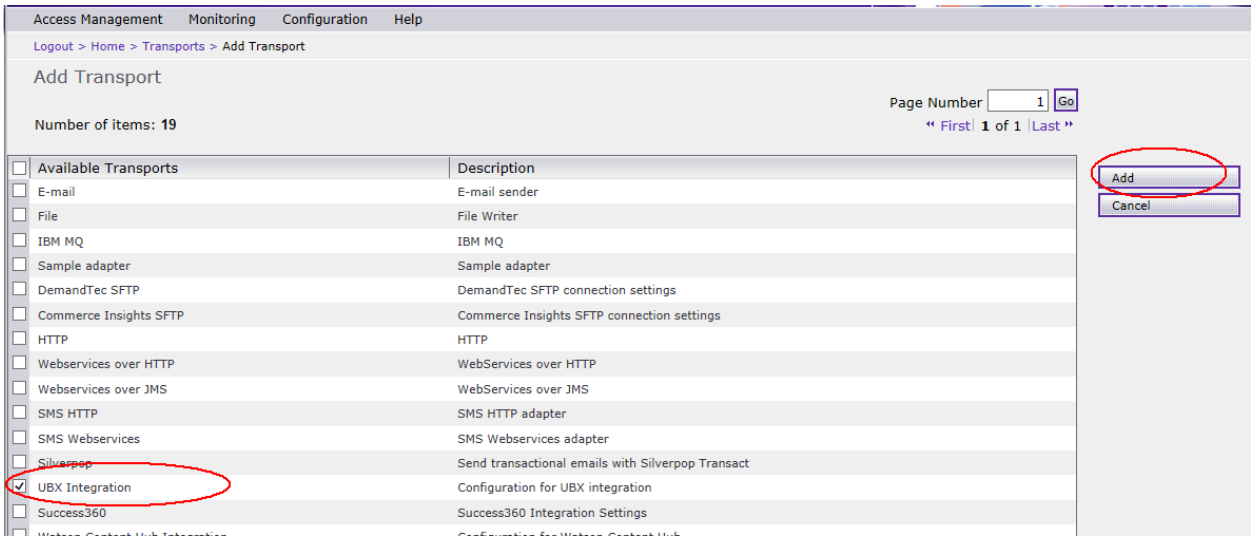


Click OK

Under Configuration menu, select Transports

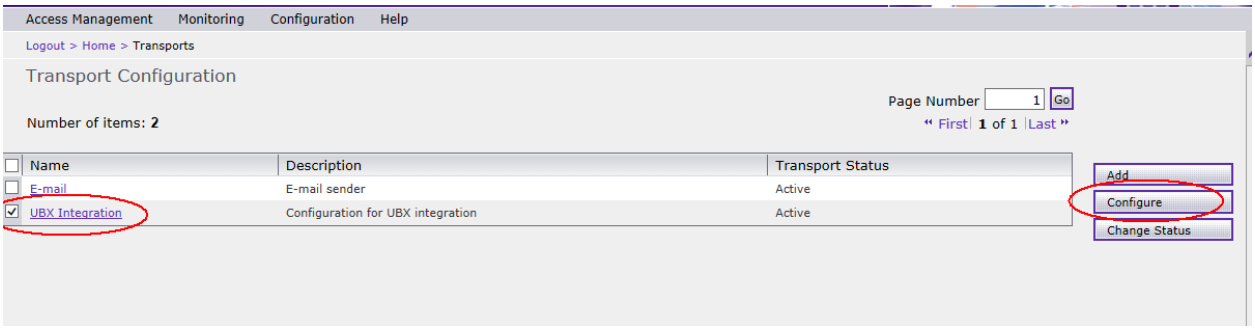


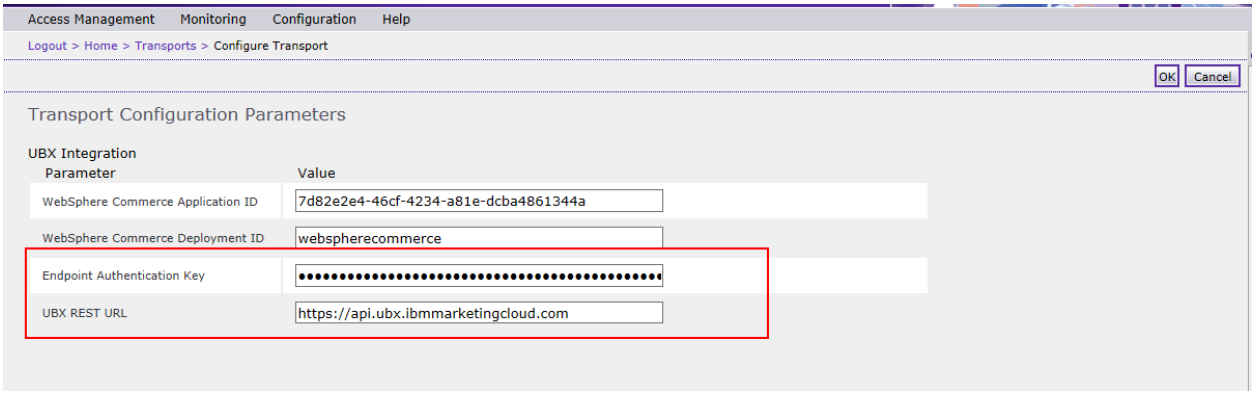
Select Add create a transport for UBX



Select UBX Integration and click Add

Now we need to configure the transport that was just added:





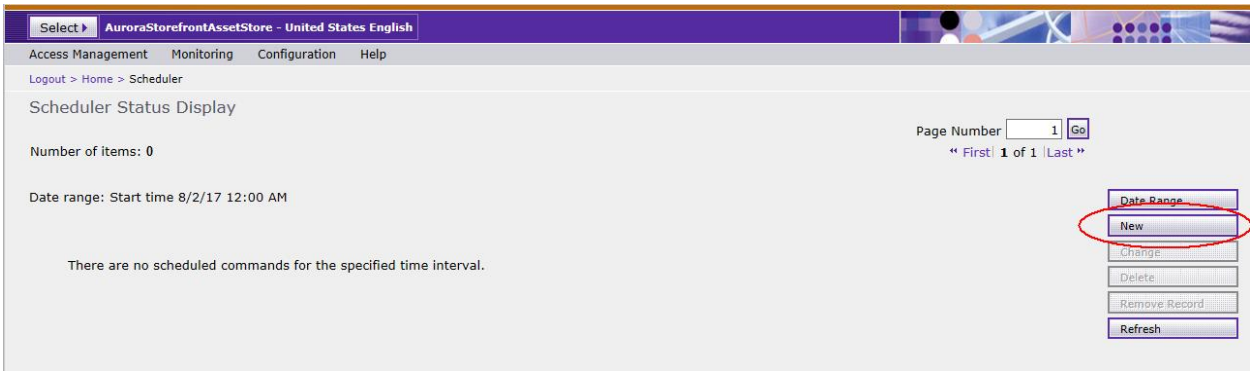
This is where you will need to insert the Endpoint Authentication Key you copied earlier from UBX.

NOTE: Ensure the UBX Rest URL is correctly populated here. The default URL is an example for a pilot system, please change to the valid REST host name URL. Also, you will notice in the Knowledge center documentation the Account Authentication Key parameter with 8.0.3.0. This is only needed for 8.0.3 environments as you will notice it's not displayed in this 8.0.4 environment.

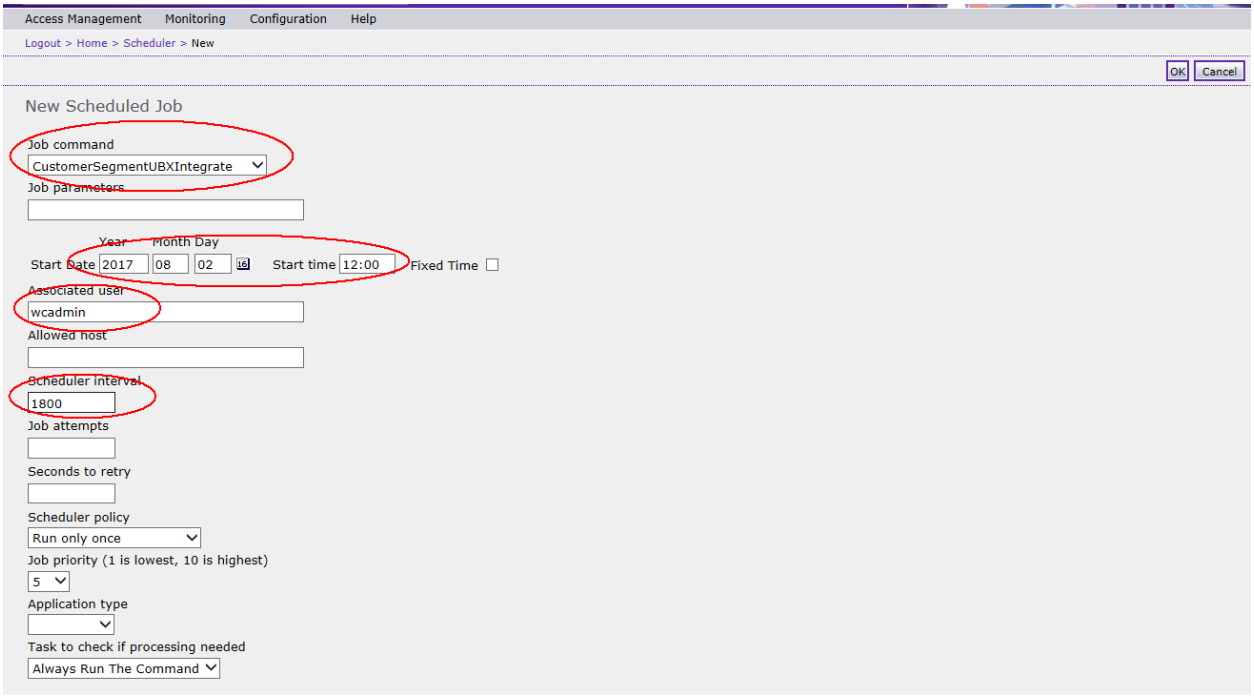
Next, lets create the scheduler job that activates the endpoint and will also be the job that sends updated customer segments across to the UBX server.

https://www.ibm.com/support/knowledgecenter/SSZLC2_8.0.0/com.ibm.commerce.integration.doc/tasks/tcvschedcustomersegmentubxintegrate.htm

Under Configuration menu, select Scheduler and select New to add a job:

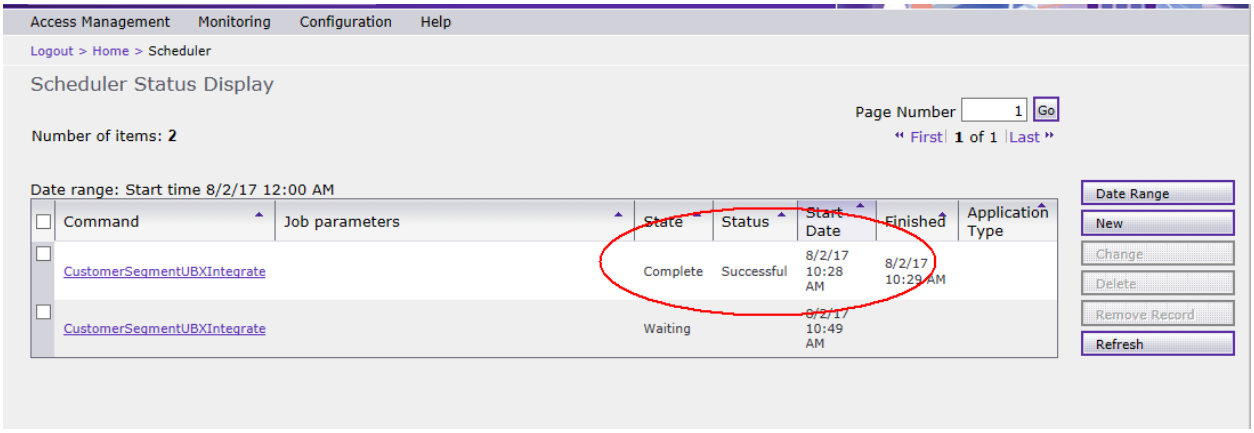


Fill in the approiate fields:

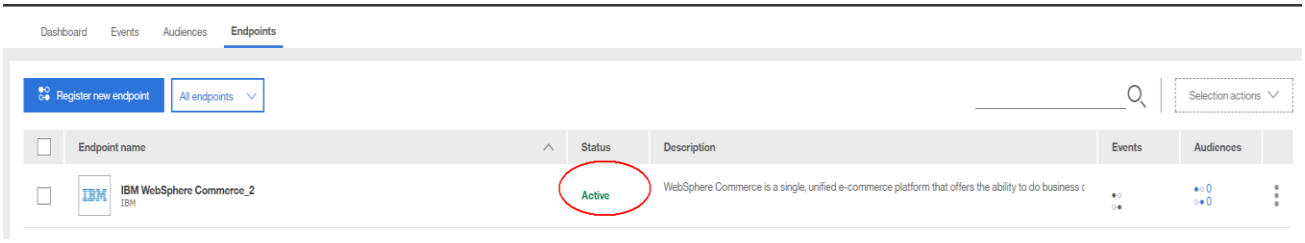


Ensure the Associated User is your WebSphere Commerce admin user. In this example I've set the job to run every 30 mins, you can adjust this interval to your desired setting.

Once the job completes successfully:



We can now validate in UBX that the endpoint is now “Active” instead of “Pending”



Now that the Endpoint is active, you will need to Enable SSL for the UBX integration.

https://www.ibm.com/support/knowledgecenter/SSZLC2_8.0.0/com.ibm.commerce.integration.doc/tasks/tcvubxconfig.htm

The steps for this are pretty straight forward and the above link is very clear. This is done in your WebSphere Application admin console. The only think to watch out for here is that you put the proper host name. Should be more like the following : api.ubx.ibmmarketingcloud.com

1. Expand **Security**. Click **SSL certificate and key management**.
2. In the **Related Items** section, click **Key stores and certificates**.
3. Select **NodeDefaultTrustStore**.
4. In the **Additional Properties** section, click **Signer Certificates**.
5. Click **Retrieve from port** and enter the following information.

Parameter	Value
Host	`api.ubx.ibmmarketingcloud.com`
Port	`443`
SSL configuration for outbound connection	`NodeDefaultSSLSettings`
Alias	`UBX`

6. Click **Retrieve signer information**.
7. Select **OK** and save your changes.

At this point, your integration with UBX is complete and you can work with customer segments and import or export between UBX and WebSphere Commercer.

What to do next

After you enable UBX integration, you can work with customer segments in the Marketing tool to export information to external applications. This is done by selecting the **Allow exports to external applications** property when you create a customer segment. For more information, see Creating a customer segment.

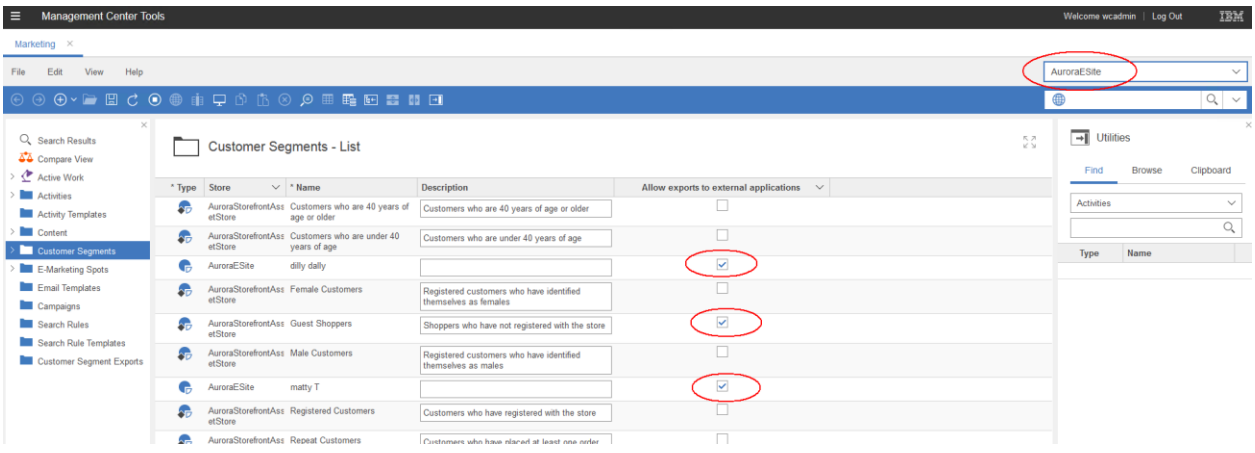
Then, you can manage customer segments by importing and exporting them within UBX. For more information, see Managing customer segments with UBX.

Below is a exampe of Exporting a customer segment (source audience) from WCS to UBX.

Now that the integration is complete and the Endpoint is active, we can export a customer segment from our WCS to UBX.. This is done in the UBX UI.

First, we need to make sure the customer segment is configured properly in WCS. When creating a customer segment you have to specific if you allow it to be exported to external applications. Once this is done, we should be able to see those segments in UBX.

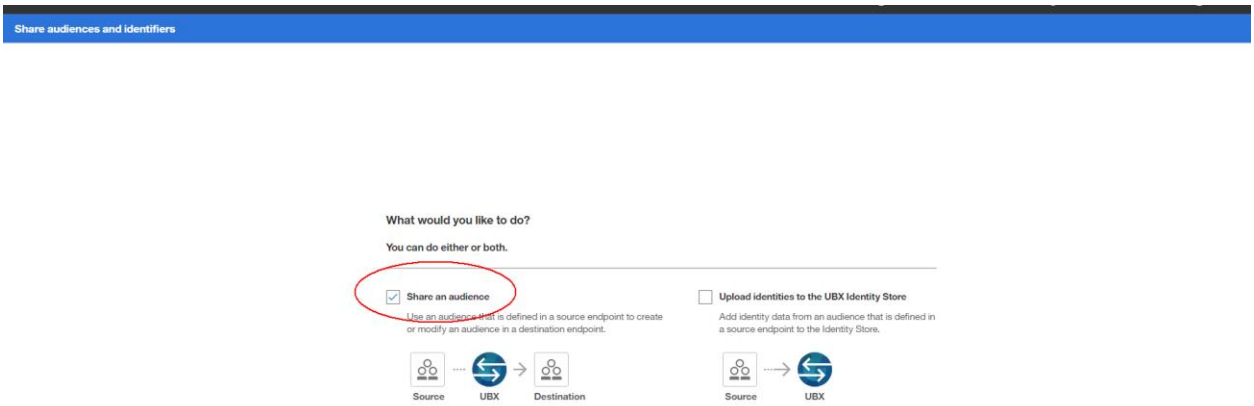
Example showing some segments allow exports from Manager Center inside Marketing tool for store we would like to export customer segments from:



Now, lets login to UBX and add a source audience to export.

Select "Audiences" tab and click "Share audiences and identifiers"

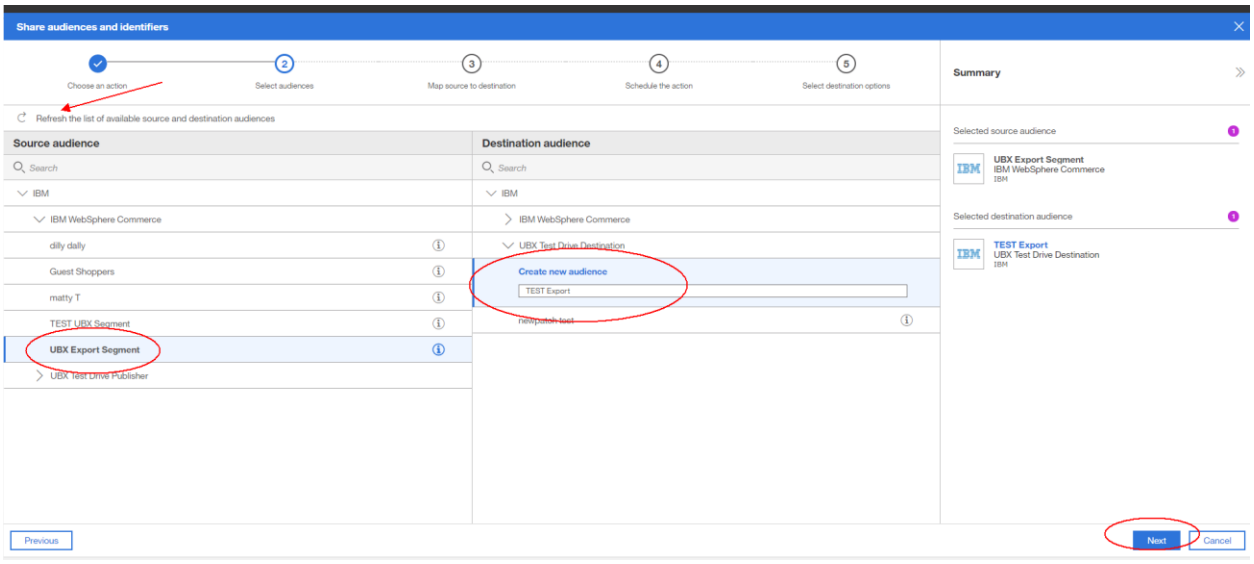
Let's Share an audience to export



Click Next

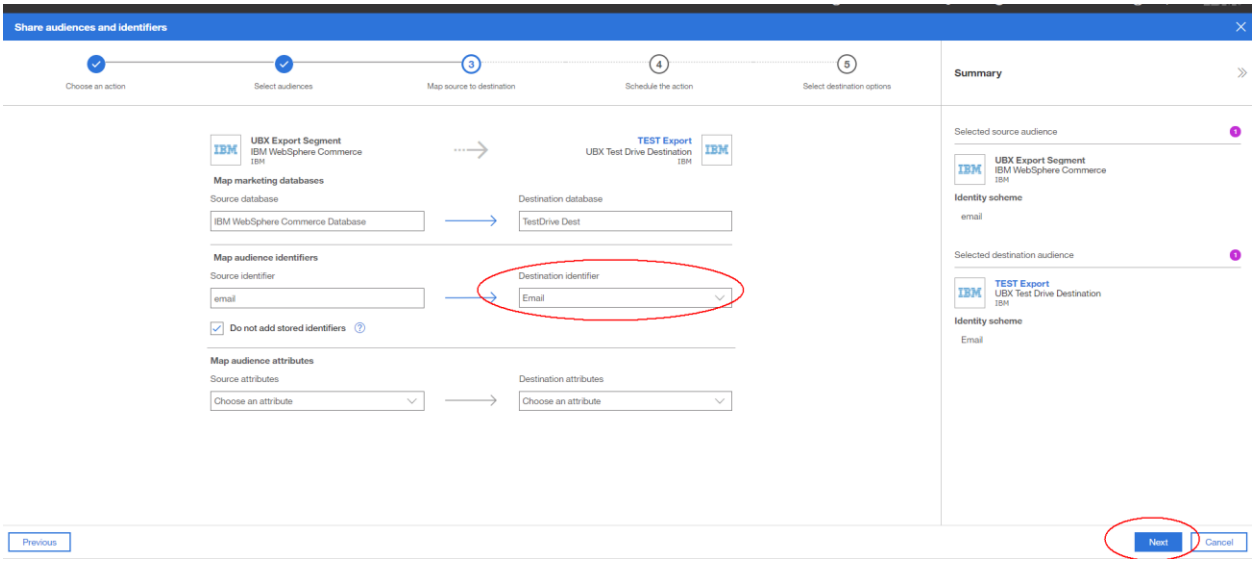
Here you will select your Source audience, which is your customer segment from IBM WebSphere Commerce and then your destination you would like to export to in UBX.. In this example, I'm using the IBM test drive destination. If your source audience isn't showing up, you may need to Refresh the list.

Here I've select to export my customer segment I created named UBX export Segment and I chose to export it to the IBM test drive and name is TEST Export.



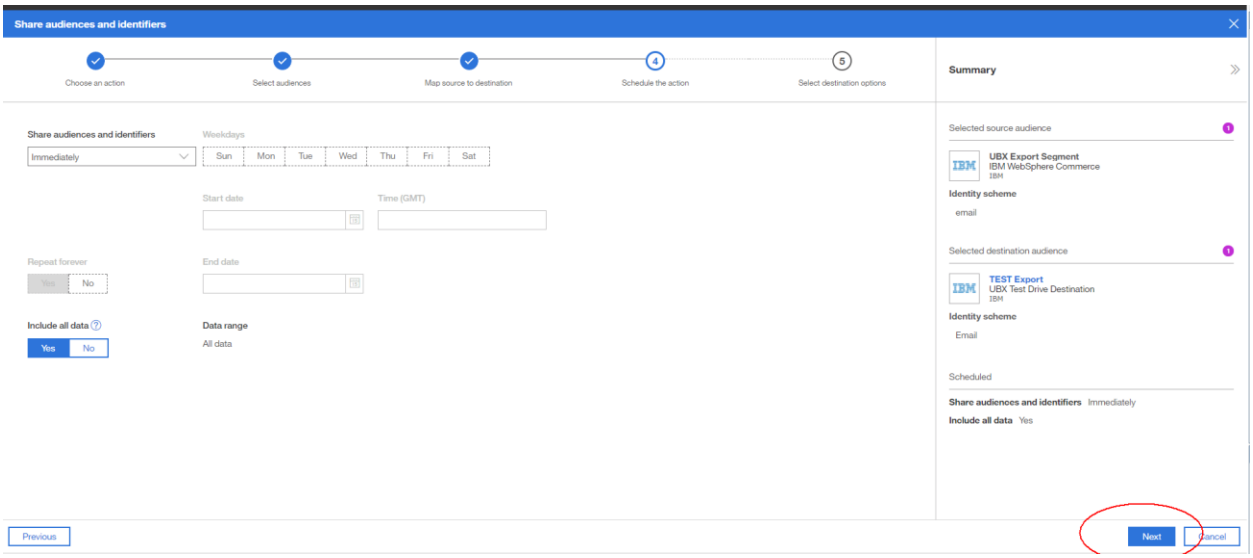
Click Next

Here the only think you need to do is Map audience identifiers, they do need to match. The source and destination identifies.

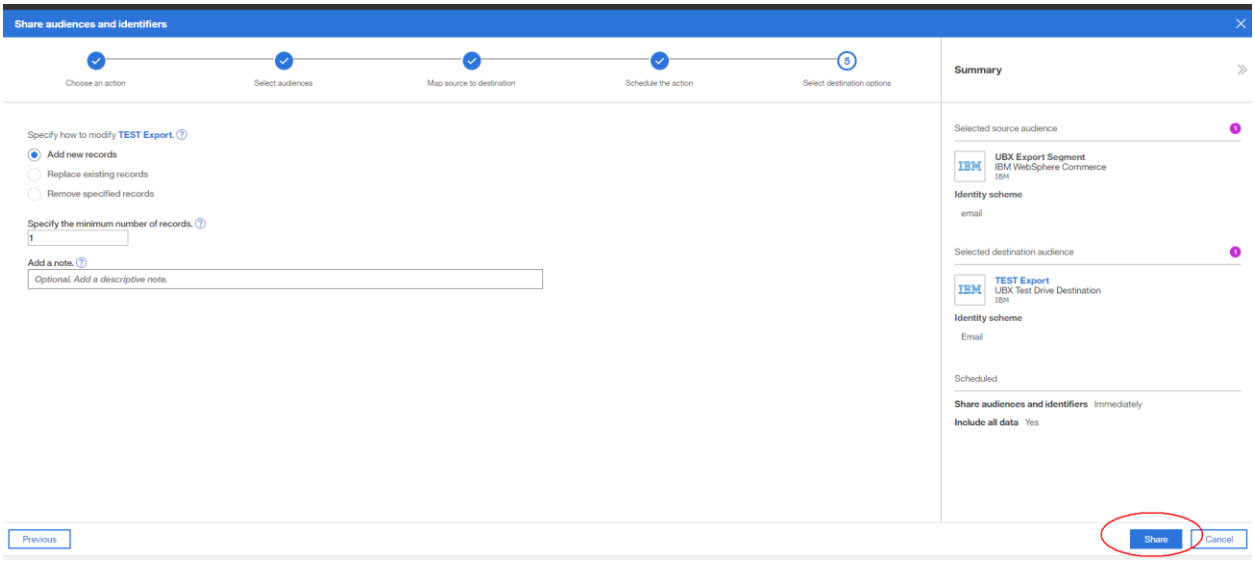


Click Next

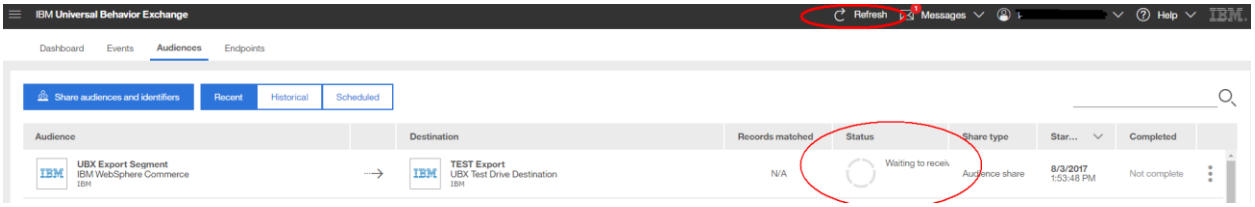
I chose to leave the defaults on the next screen and just clicked Next



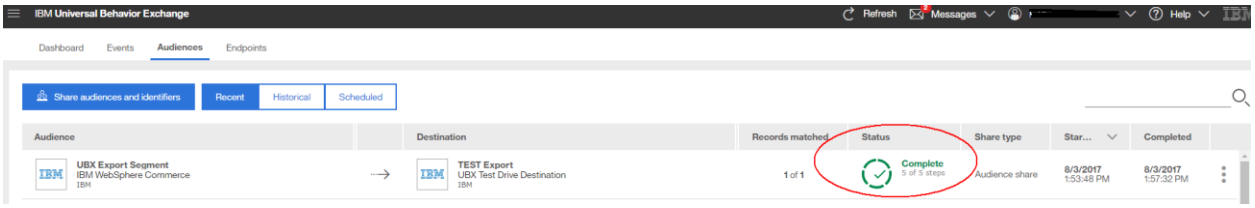
Again, here I'm going to be adding new records, so I leave the defaults and click Share



After clicking the Share button, the export will start and you can monitor for it's completion on the following page



At this point, UBX is waiting for the "CustomerSegmentUBXIntegrate" scheduled job to run on WCS, to push the files up. After the scheduled job runs, if you refresh the status page, you will see that it completes. Depending on the interval you chose when creating the scheduled job, you may want to manually kick off the job at this point.



At this point we are complete, We've integrated UBX and WCS and successfully export segments from WCS to UBX.

I hope this document helped you get to this same point.