

## Create I flow using ODATA and send / Receive Message

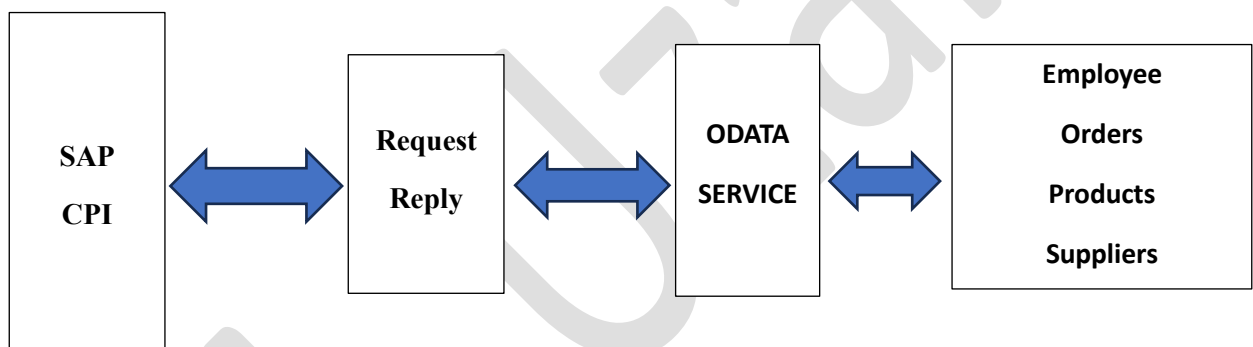
### ODATA:

OData, short for Open Data Protocol, is an open protocol to allow the creation and consumption of queryable and interoperable Restful APIs in a simple and standard way via simple protocols like HTTP/HTTPS. More details about ODATA can be found on:

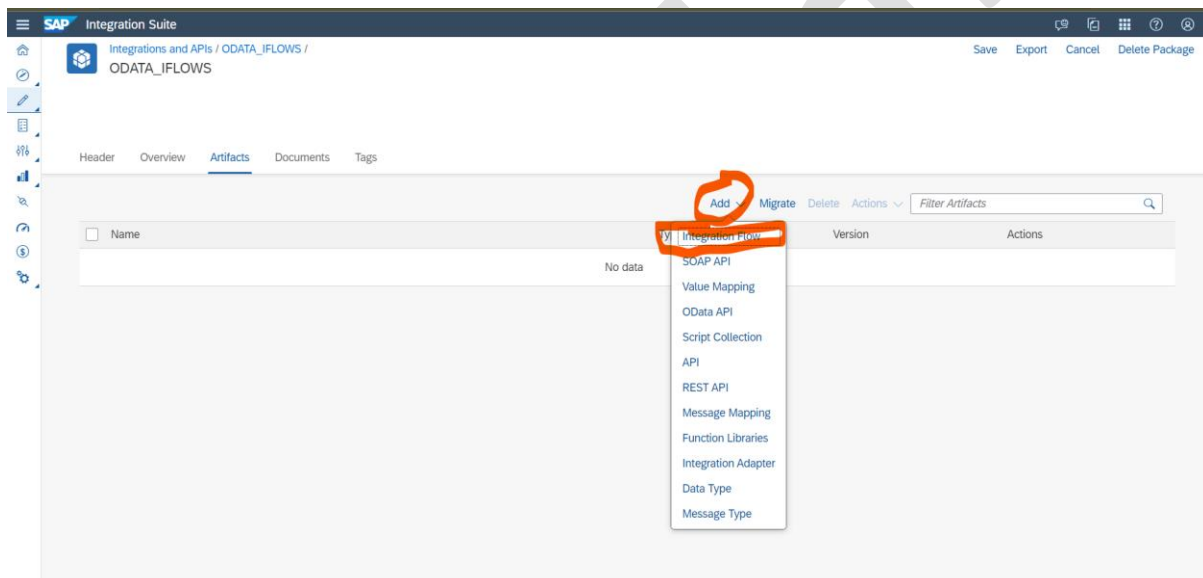
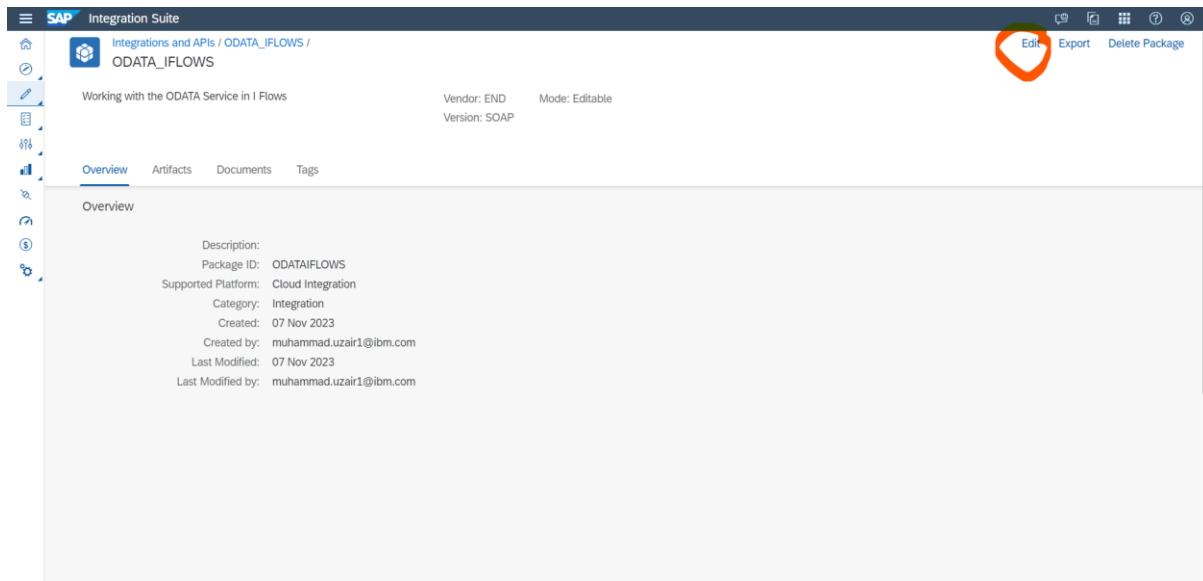
<https://www.odata.org/> .

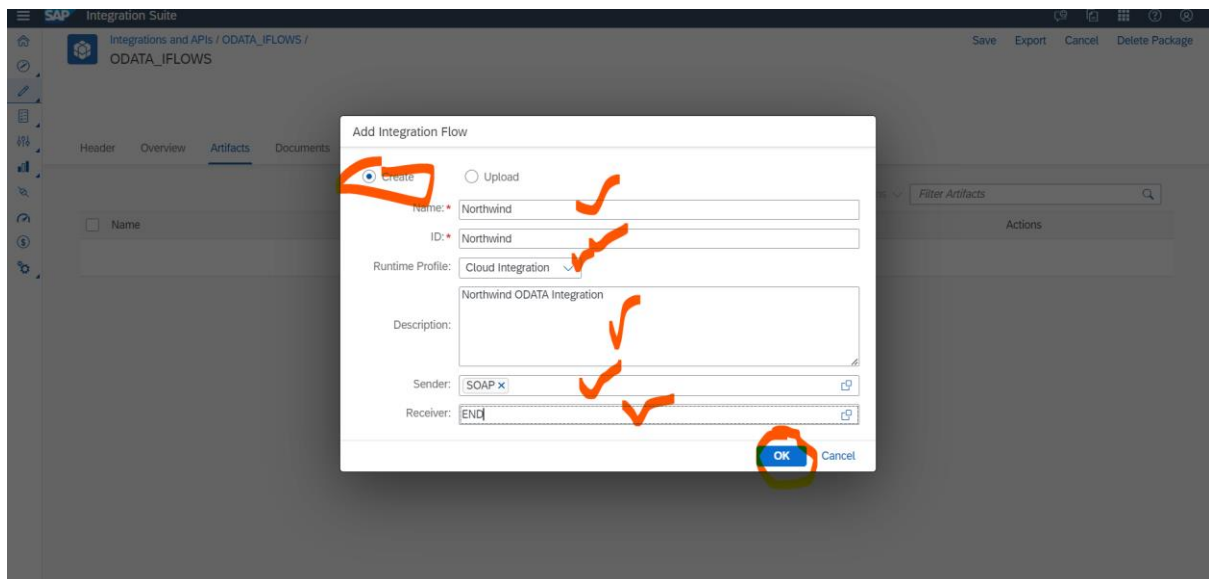
\*REST - Representational state transfer (REST) is a software architectural style that uses a subset of HTTP. It is commonly used to create interactive applications that use Web services. A Web service that follows these guidelines is called RESTful Website which we'll be using in our example: <https://services.odata.org/V2/Northwind/Northwind.svc>

Get the Orders: <https://services.odata.org/V2/Northwind/Northwind.svc/Orders>

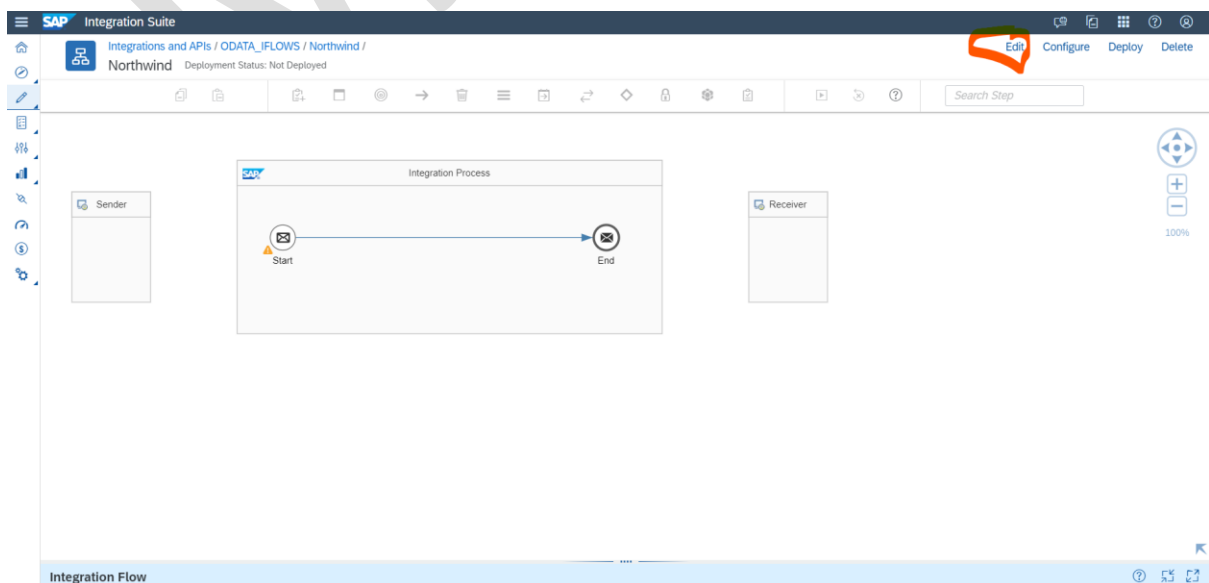


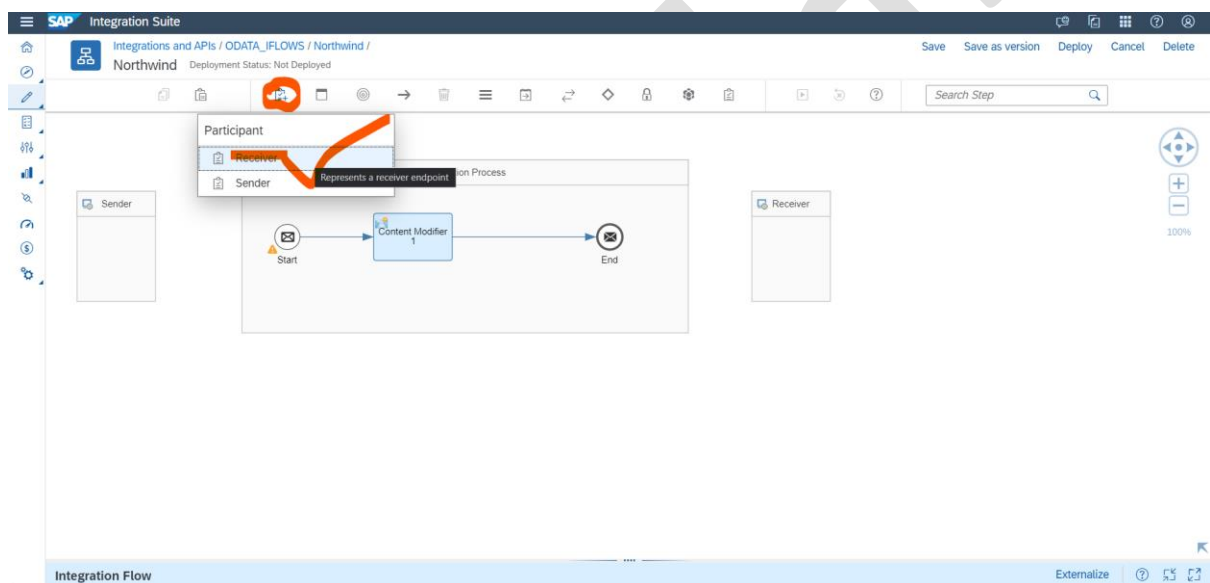
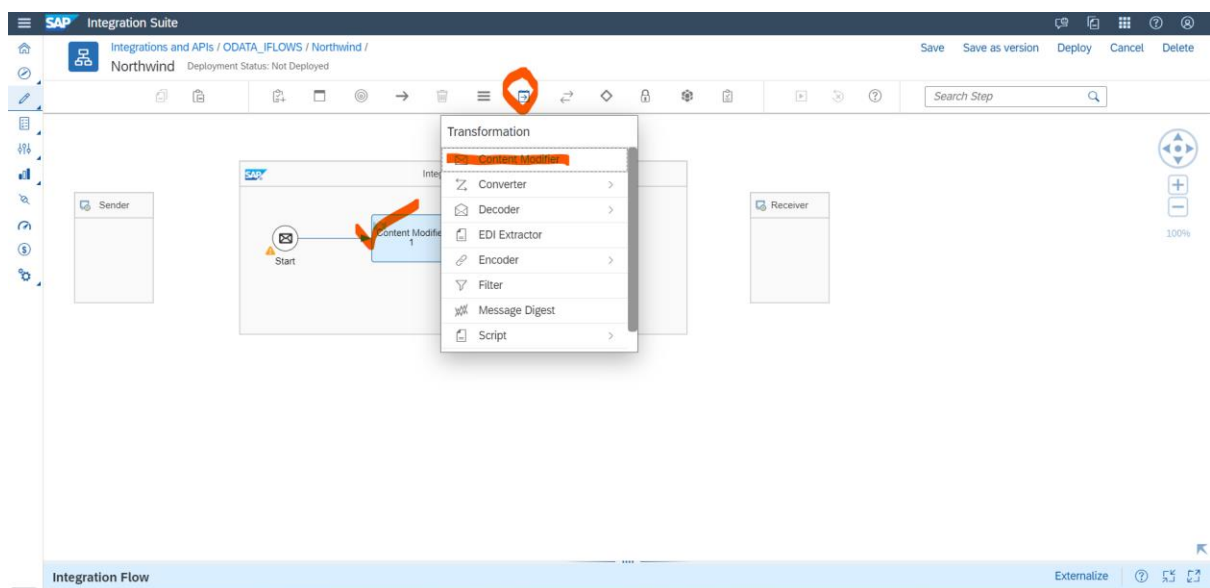
## Creating I-Flow:

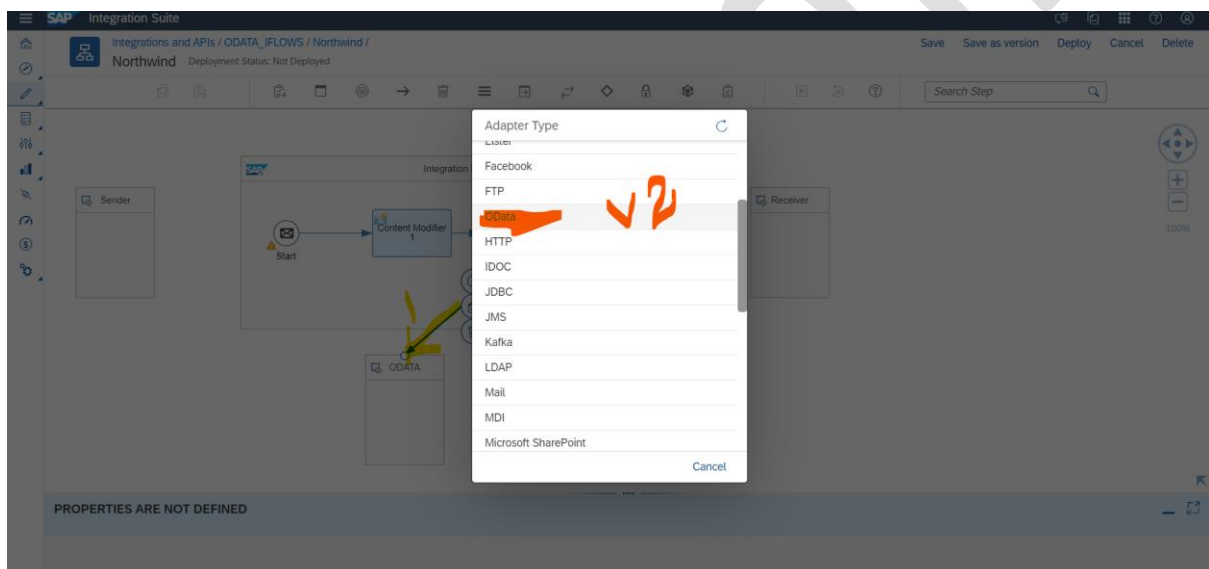
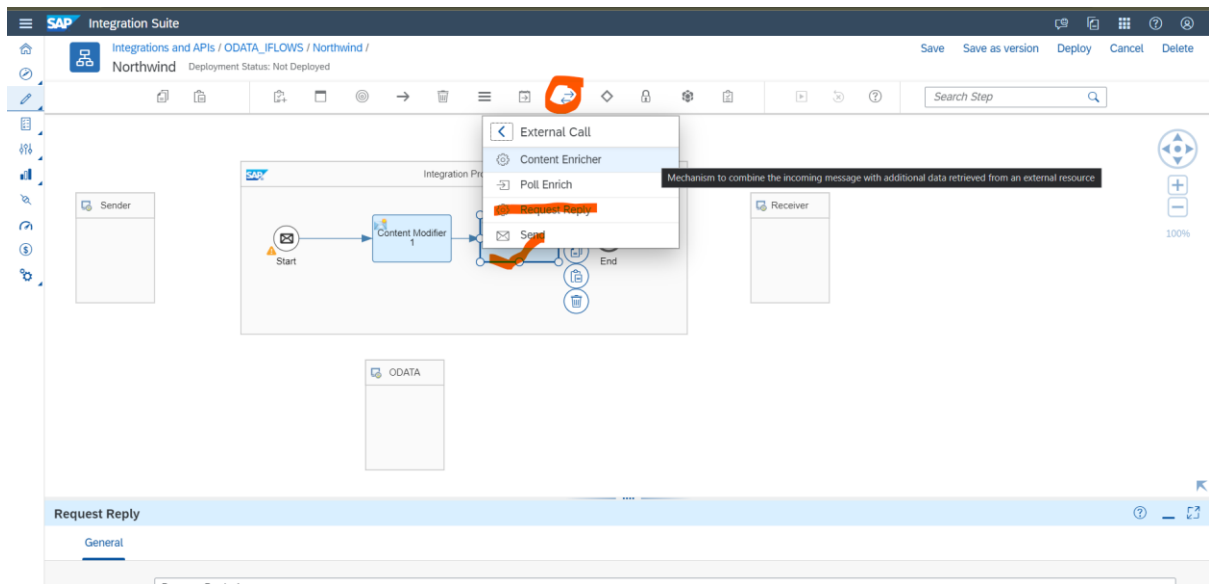


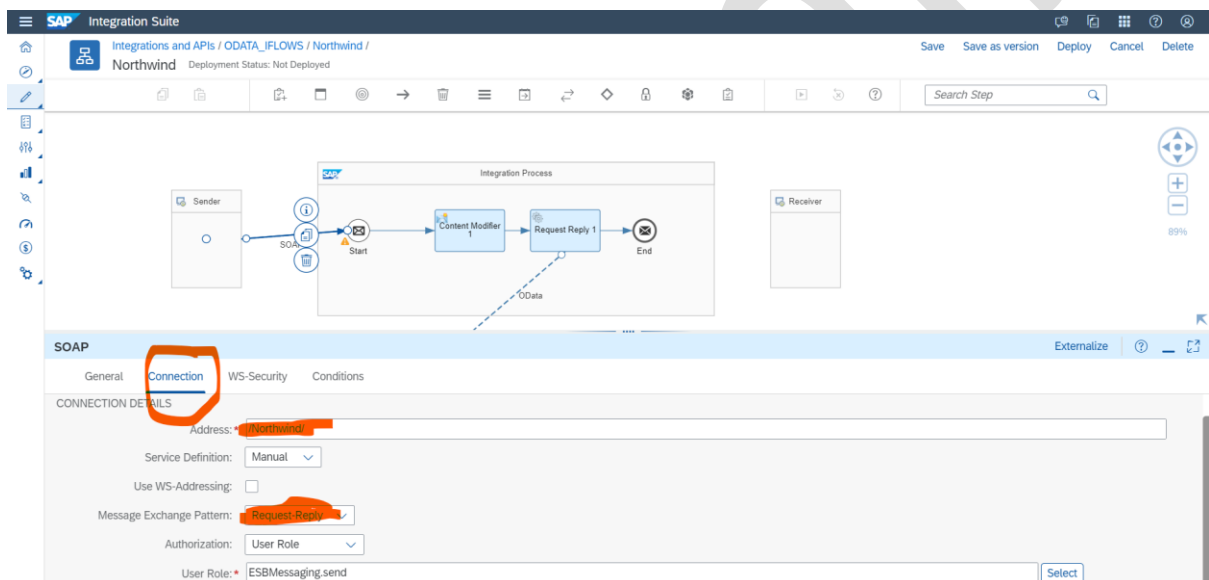
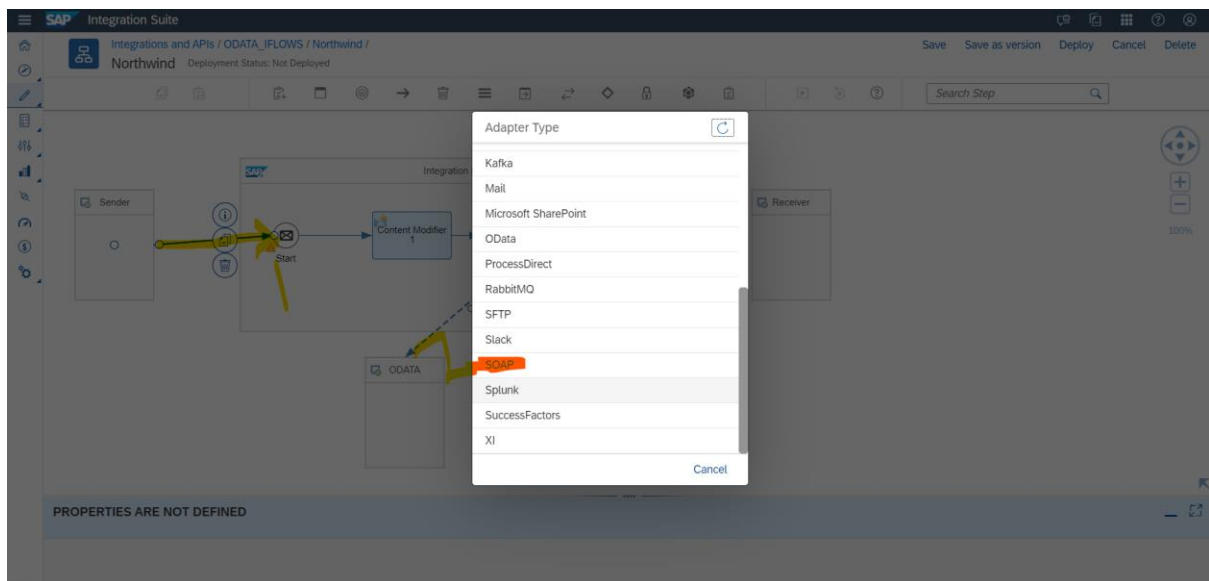


Now Just Open the I flow That is created.









The screenshot displays the SAP Integration Suite interface for an integration process named 'Northwind'. The process flow is visible at the top, showing a 'Sender' connected to a 'Start' step, which leads to a 'Content Modifier' step (circled in orange with a '3' next to it). This is followed by a 'Request Reply 1' step and an 'End' step. The 'Content Modifier' step is currently selected, and its configuration panel is shown below. The 'Message Header' tab is active (circled in orange with a '3' next to it). A table of headers is displayed, with the first row highlighted in orange and a '4' next to it:

Action	Name	Source Type	Source Value	Data Type	Default Value
<input type="checkbox"/>	Create	Connector	API	String	

An 'Add' button (circled in orange with a '3' next to it) is located to the right of the table. The 'Exchange Property' and 'Message Body' tabs are also visible.

The screenshot displays the SAP Integration Suite interface for the same 'Northwind' integration process. The process flow is shown at the top, with the 'Content Modifier' step (circled in orange with a '2' next to it) and the 'Request Reply 1' step (circled in orange with a '1' next to it) highlighted. The 'OData' step is selected, and its configuration panel is shown below. The 'General' tab is active (circled in orange with a '3' next to it). The 'CONNECTION DETAILS' section is visible, with the 'Address' field highlighted in orange and a '4' next to it:

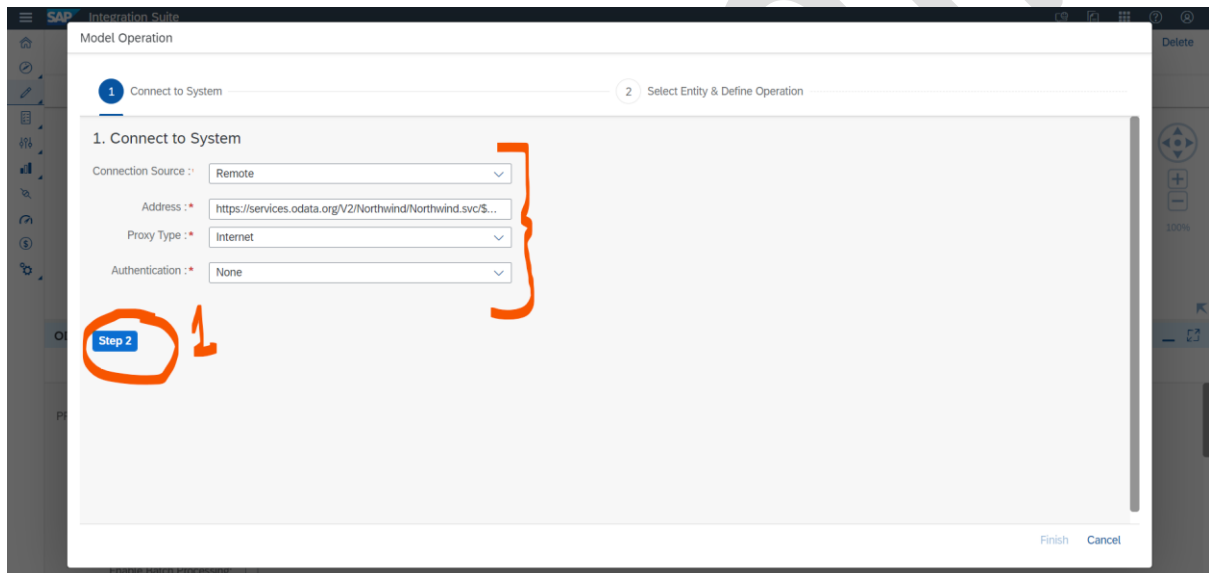
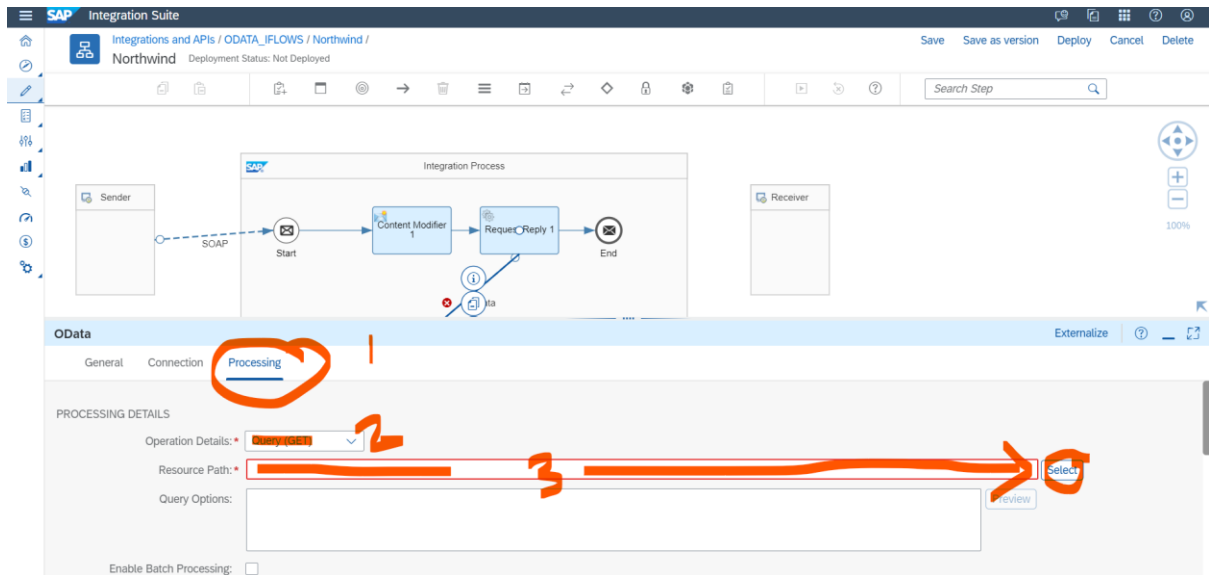
Address: <https://services.odata.org/V2/Northwind/Northwind.svc>

Proxy Type: [Internet](#)

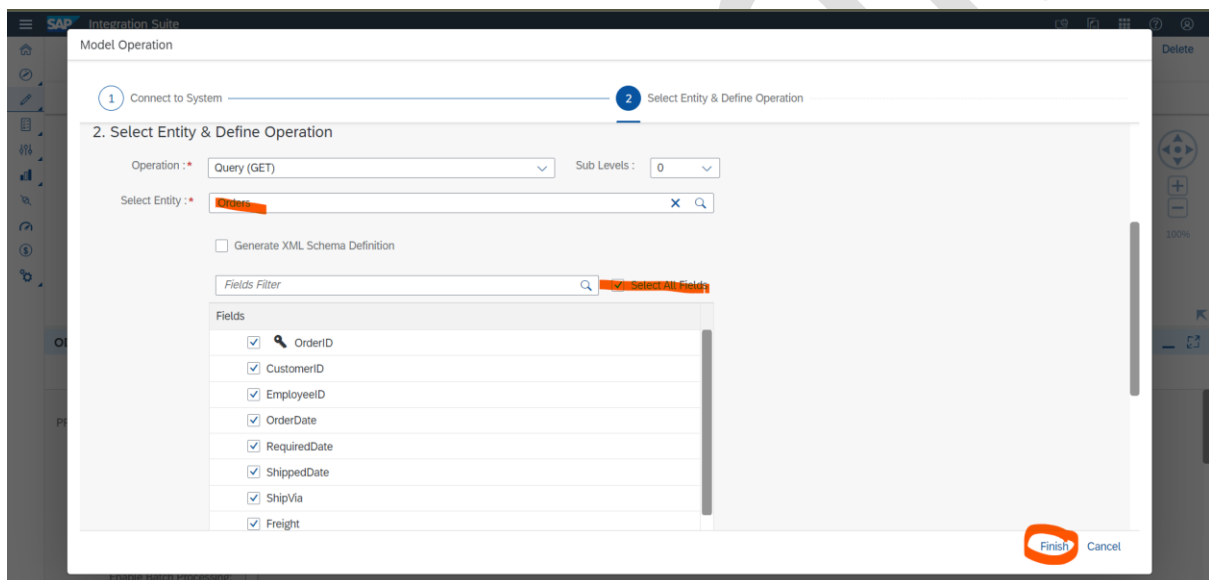
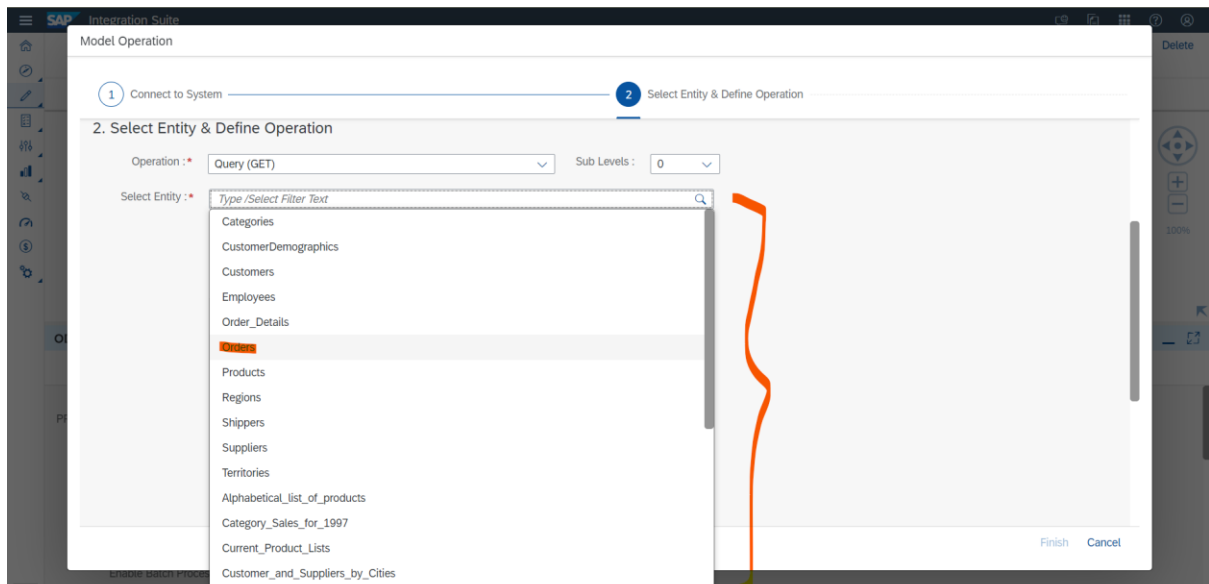
Authentication: [None](#)

CSRF Protected: ☒

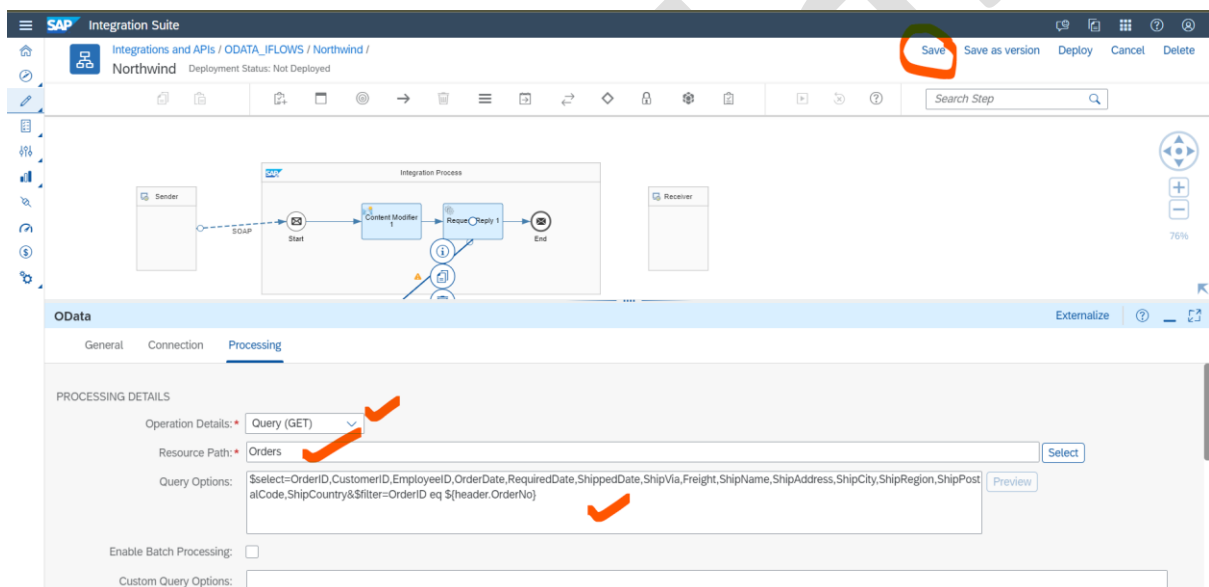
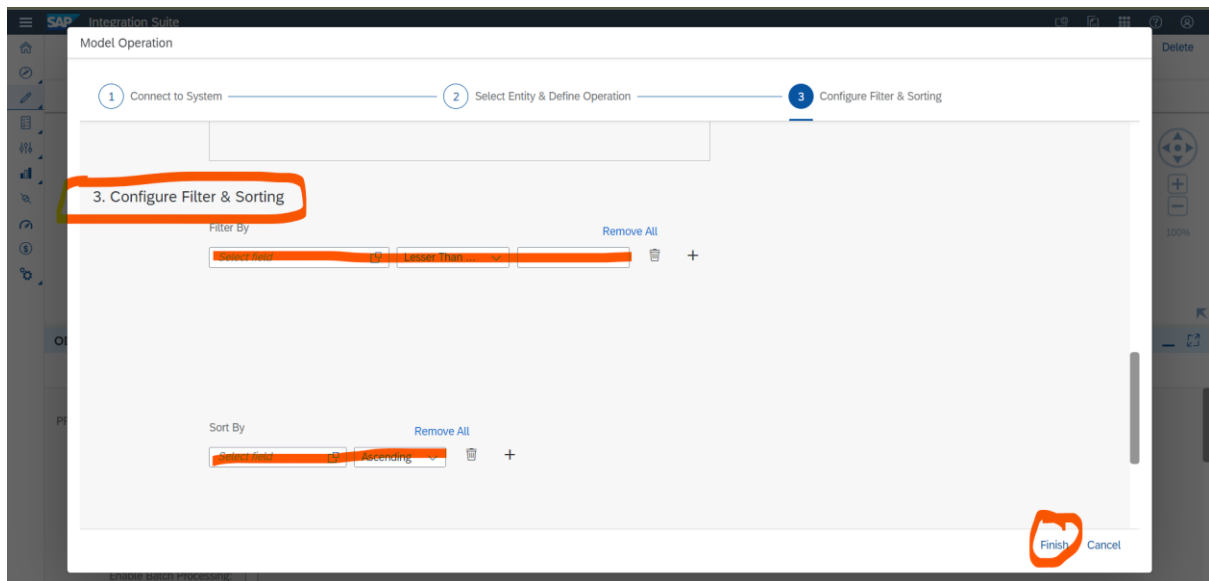
Reuse Connection: ☒



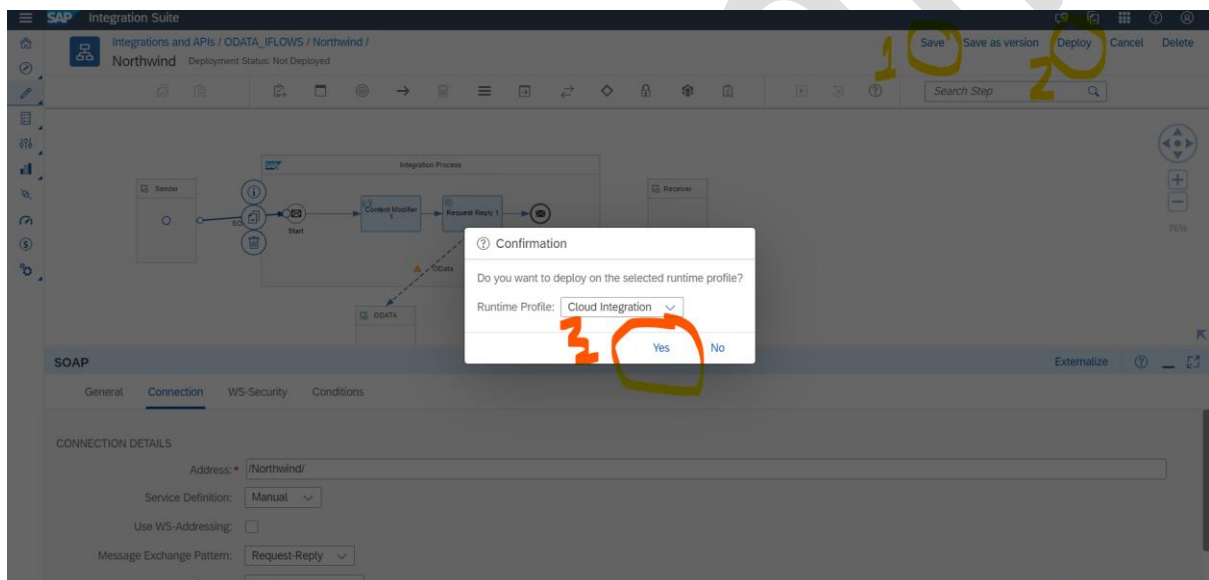
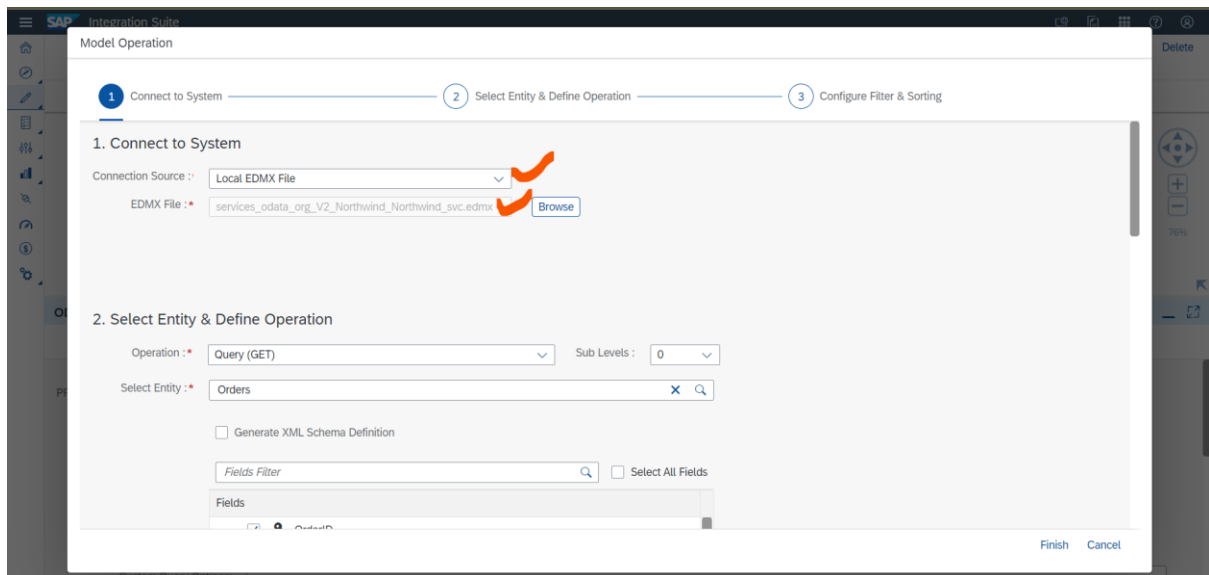


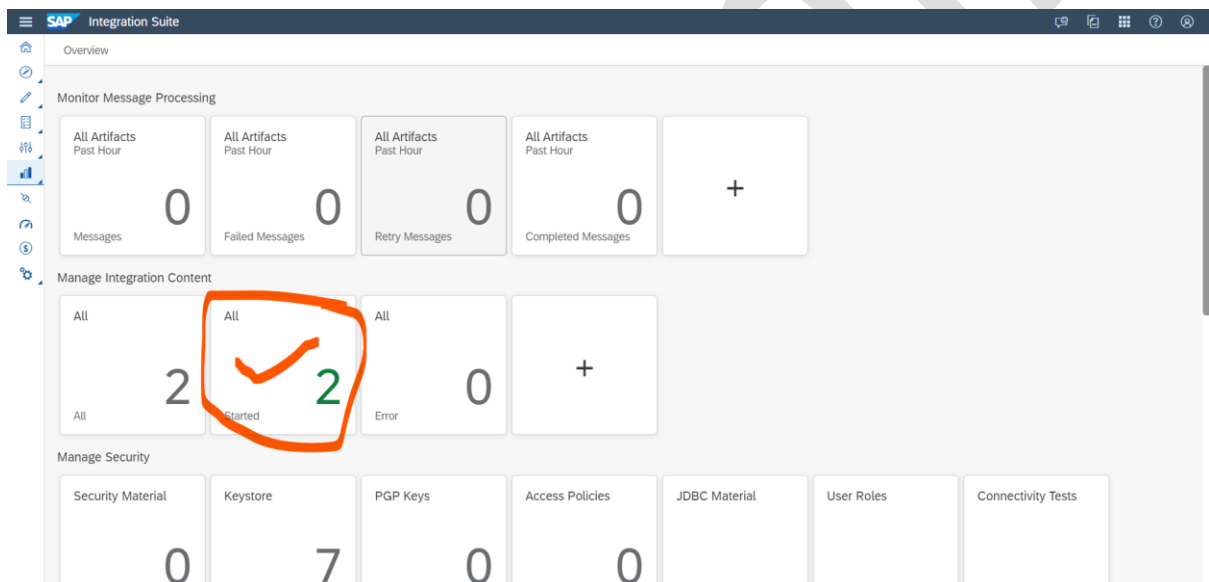
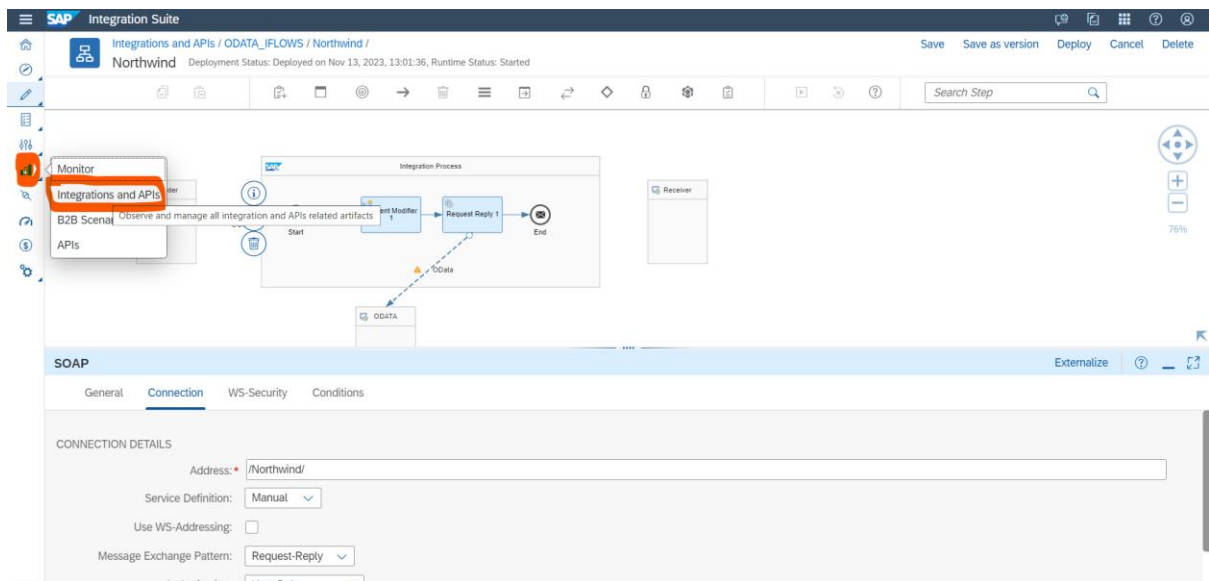


For the where clause, we can use 3<sup>rd</sup> step.



If you again click on Select button you will see EDMX File.

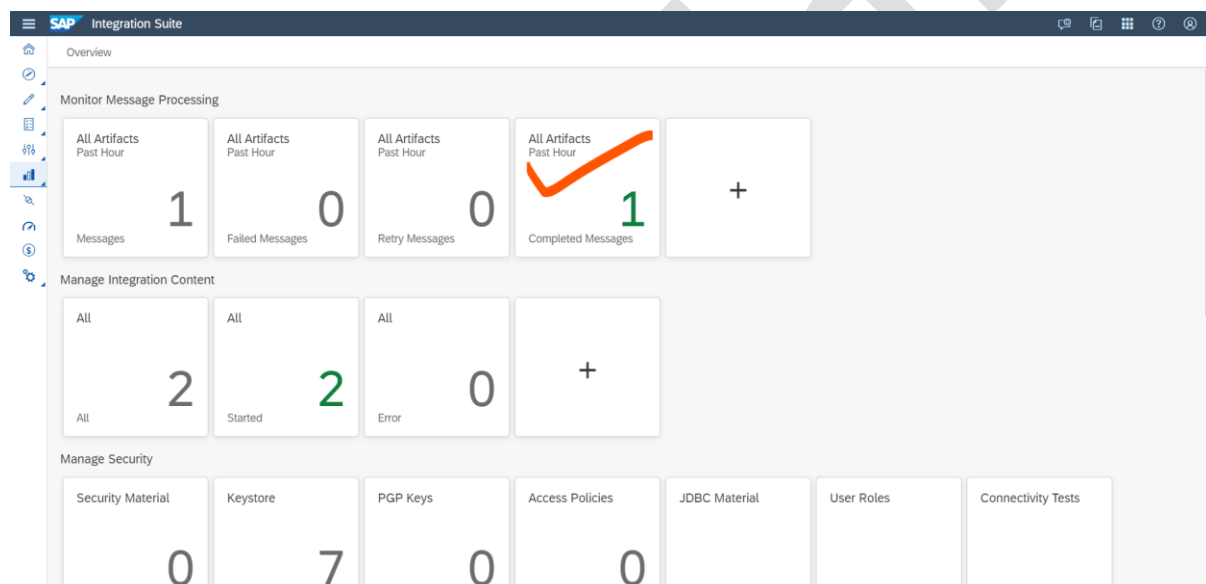
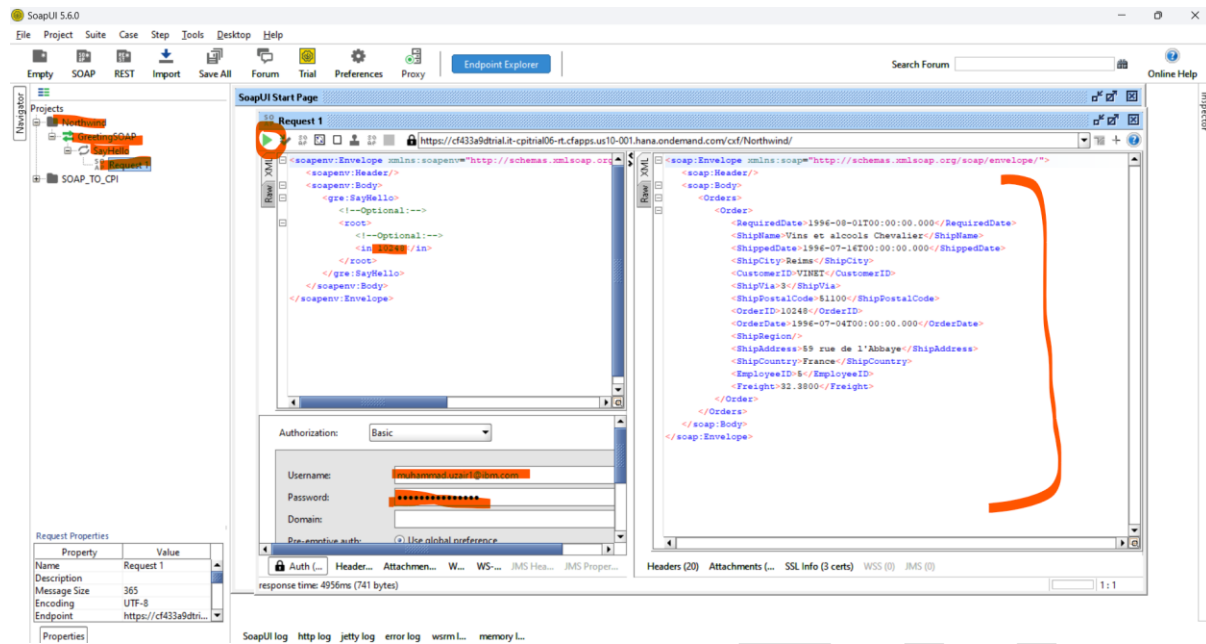




The screenshot displays the SAP Integration Suite interface. On the left, the 'Integration Content (2)' list shows 'Northwind' with a status of 'Started' and 'Soap\_Demo' with a status of 'Started'. The main panel shows details for the 'Northwind' integration flow, including deployment information (Deployed On: Nov 13, 2023, 13:01:36; ID: Northwind; Package: ODATA\_FLOWS; Version: 1.0.0) and a list of endpoints. The 'Endpoints' tab is active, showing a URL: `https://cf459adtriat1.it-cpttriat06-referapps-us10-001.hana.ondemand.com/svt/Northwind/`. Below the endpoints, the 'Status Details' section indicates 'The Integration Flow is deployed successfully.' The 'Artifact Details' section provides links for 'Monitor Message Processing', 'View deployed Artifact', and 'Navigate to Artifact Editor'. The 'Log Configuration' section is also visible.

The screenshot shows the SoapUI 5.6.0 interface. The 'New SOAP Project' dialog is open, prompting the user to create a WSDL/SOAP based project in the workspace. The 'Project Name' is 'Northwind'. The 'Initial WSDL' is set to 'Special SAP CPI Course content allsamplesWSDL.xml'. The 'Create Requests' checkbox is checked, and the 'Create TestSuite' checkbox is unchecked. The 'Relative Paths' checkbox is also unchecked. The 'OK' button is highlighted. The background shows the 'New SOAP Project' and 'New REST Project' options on the main page. The 'Workspace Properties' table is visible in the bottom left corner.

Property	Value
Name	Projects
Description	
File	C:\Users\ZZ00RF808...
Project Root	



The screenshot displays the SAP Integration Suite 'Monitor Message Processing' interface. The top navigation bar includes the SAP logo and 'Integration Suite'. The main header shows 'Overview / Monitor Message Processing' and a 'Hide Filter Bar' link. Below the header, there are filter sections for 'Time' (set to 'Past Hour'), 'Status' (set to 'Completed'), and 'Artifact' (set to 'All Integration Flows'). A date range filter shows 'Nov 13, 2023, 12:22:49 - Nov 13, 2023, 13:22:49'. An 'ID' search field is also present.

The main content area is divided into two panels. The left panel, titled 'Messages (1)', contains a table with the following data:

Artifact Name	Status
Northwind	Completed
Nov 13, 2023, 13:19:16	1 sec 722 ms

The right panel, titled 'Northwind', shows details for the selected message. It includes a 'Status' tab (active), 'Properties', 'Logs', and 'Artifact Details'. The 'Status' tab displays a green progress bar and the text 'Message processing completed successfully.' Below this, the 'Processing Time' is listed as '1 sec 722 ms'. The 'Properties' section shows the following details:

- Message ID: AGVR3AKgF29CoexSsSDW7hwZC84c
- Correlation ID: AGVR3AKFBvOtQXLKc9GompOODm
- Sender: Sender\_SOAP

The 'Logs' section at the bottom shows 'Log Level: Info' and 'Instance ID: 0'. A large, diagonal watermark 'M. Uzair' is visible across the lower half of the image.

