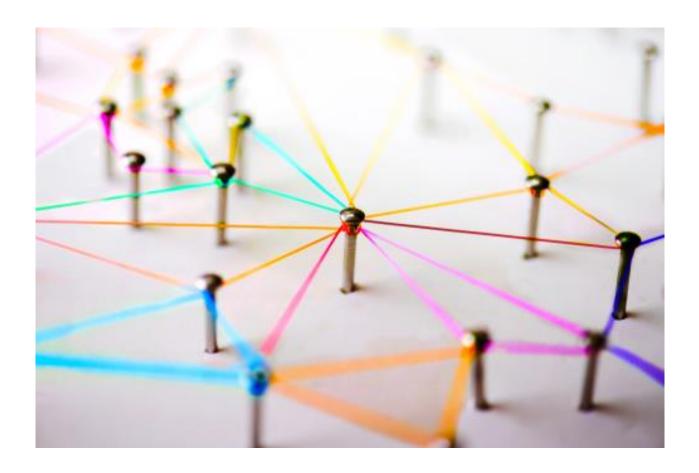
openSAP Simplify Integration with SAP Cloud platform Integration Suite

Week 2 Unit 7: Expose Back-End Services as OData APIs

PUBLIC







INTEGRATION SCENARIO

The capabilities of OData provisioning allow you to support new integration use cases with SAP Cloud Platform Integration, where you expose an OData service which can be consumed by SAP Fiori applications, SAP Cloud Platform Mobiles Services or any other custom applications to fulfil user-centric scenarios.

In this exercise, you will learn how to create and expose OData API from an existing data source using OData Provisioning in SAP Cloud Platform Integration.

You will create an OData service out of a publicly available free OData service which delivers product data. You can also extend this exercise by adding additional data sources and do a mash up of services as shown in the demo of Week 2 Unit 7.



In this exercise, your aim is to create an integration flow that solves a challenge (described in the Integration scenario). And when you work your way through the exercise, our aim is that you learn:

How to ...

- import an OData model from an OData data source using simple modelling steps.
- enhance/change an existing OData model using the OData Model Editor.
- use the Graphical OData Model Viewer to analyse an OData service in CPI
- deploy and monitor the OData service
- test the OData service using a Non-SAP test tool.

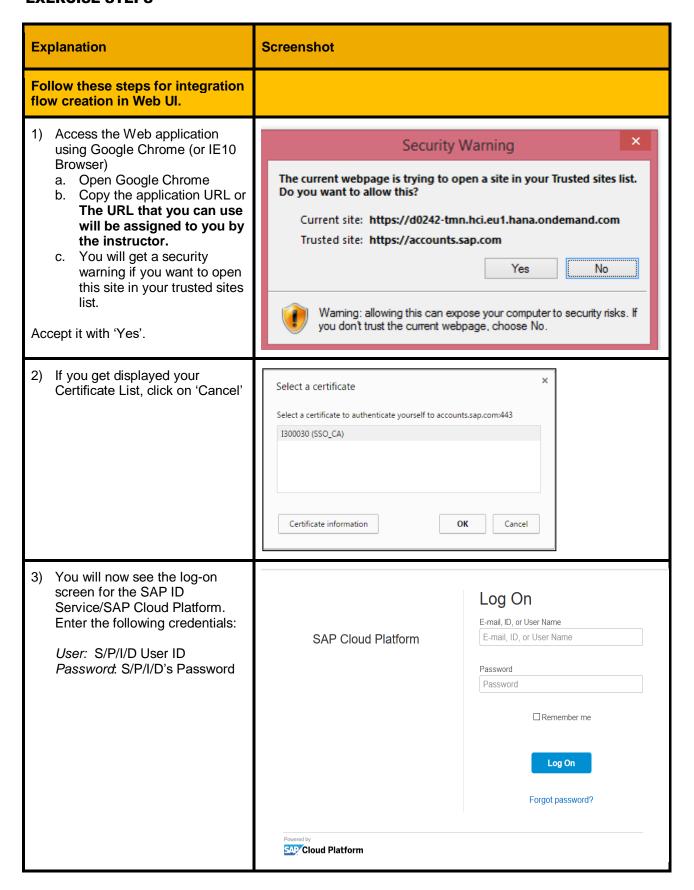
Exercise Files

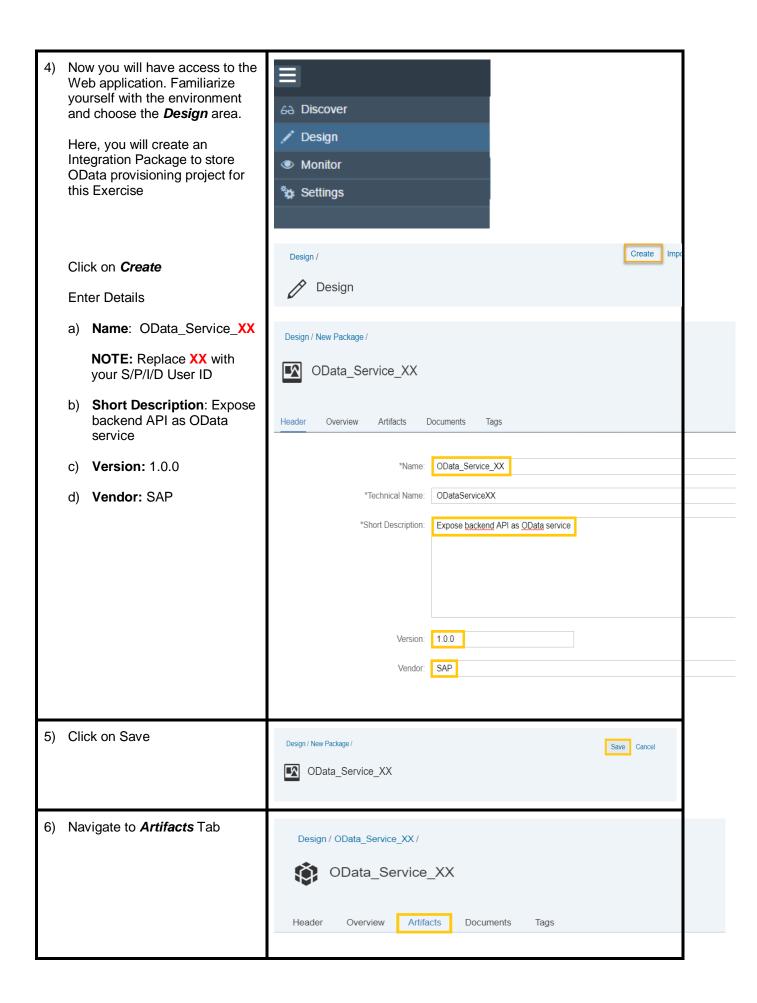
Exercise files are provided in the same folder as this document. Download and extract them into one of your local folders for use later in your exercises and setup:

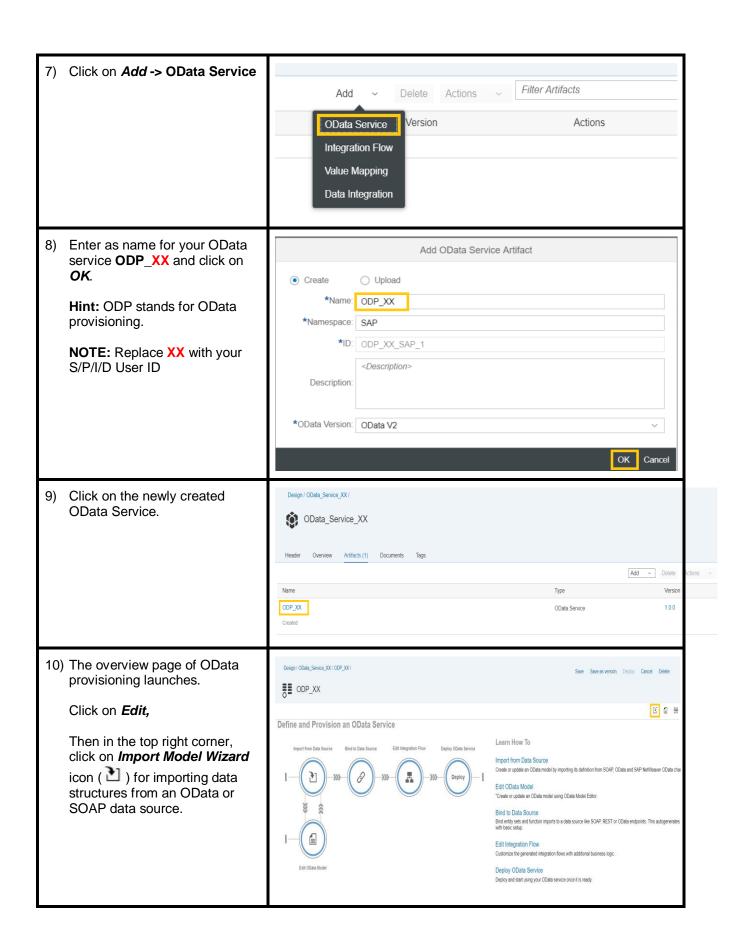
Note

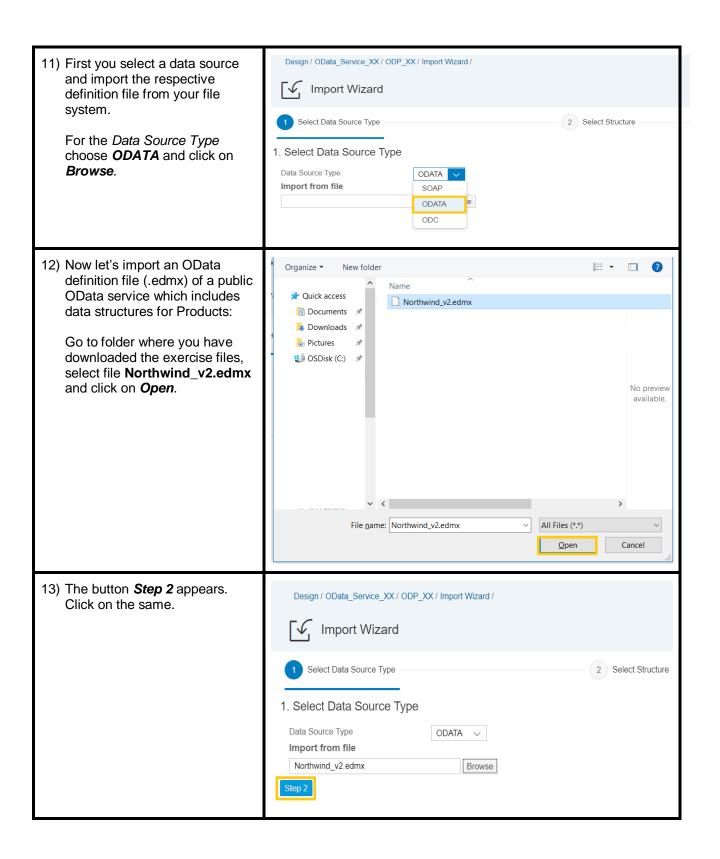
- 1. In the exercise, we have used the notation **XX** to refer to the content created by you uniquely. Please replace **XX** with your S/P/I/D User ID to uniquely identify your integration content from other participants using the same tenant.
- 2. Please note that colours and other visual appearance might differ slightly from the screenshot screens, as the CPI editor might have received feature upgrades since production of this content.

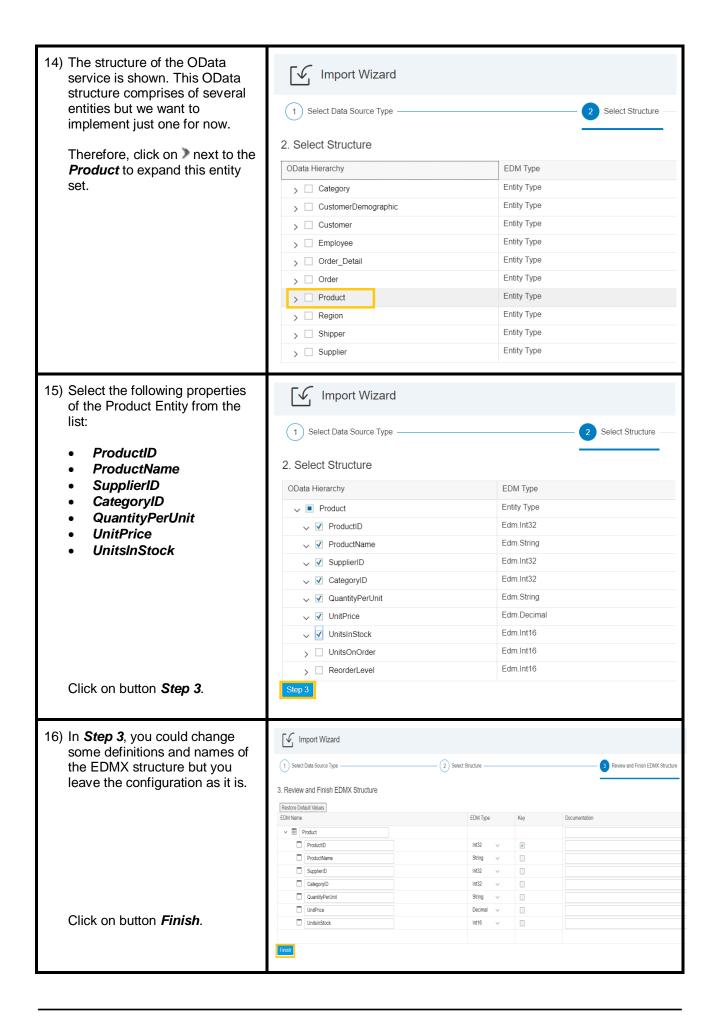
EXERCISE STEPS

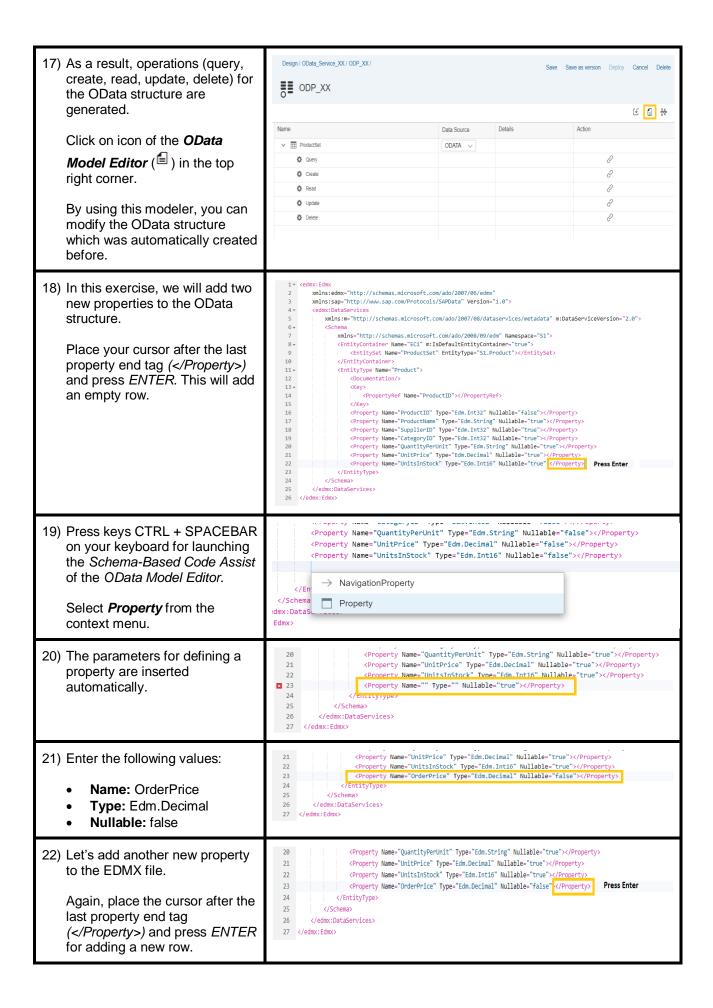


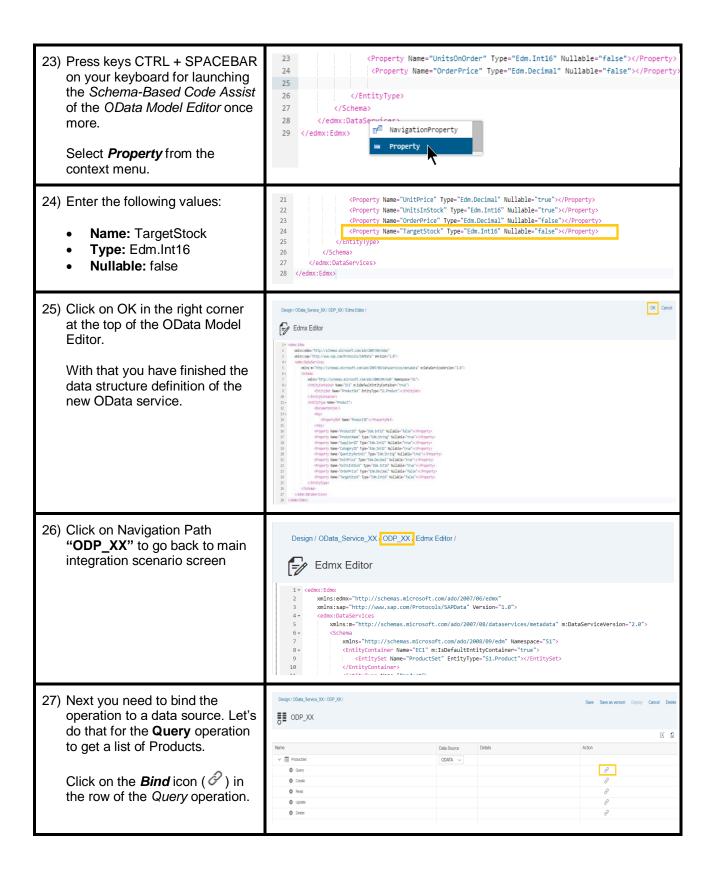


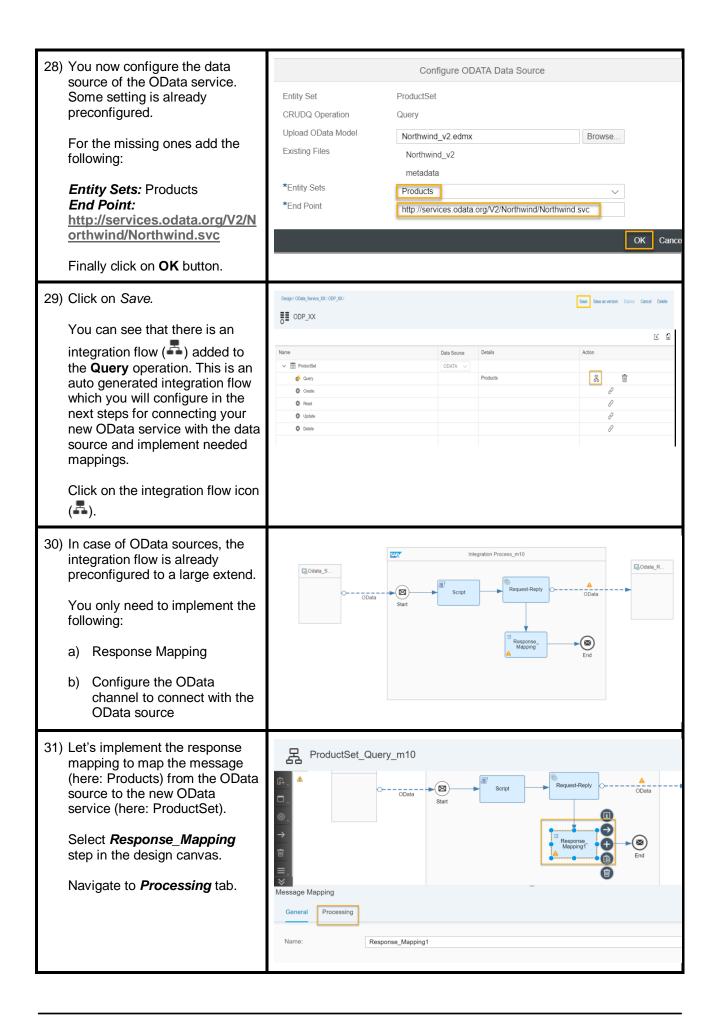


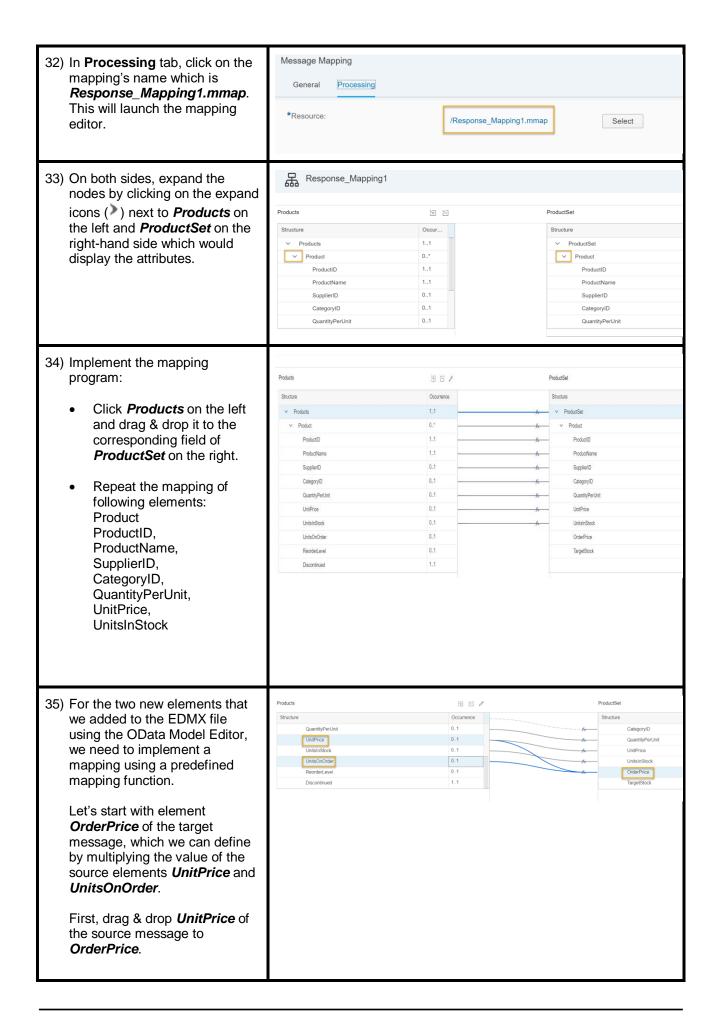


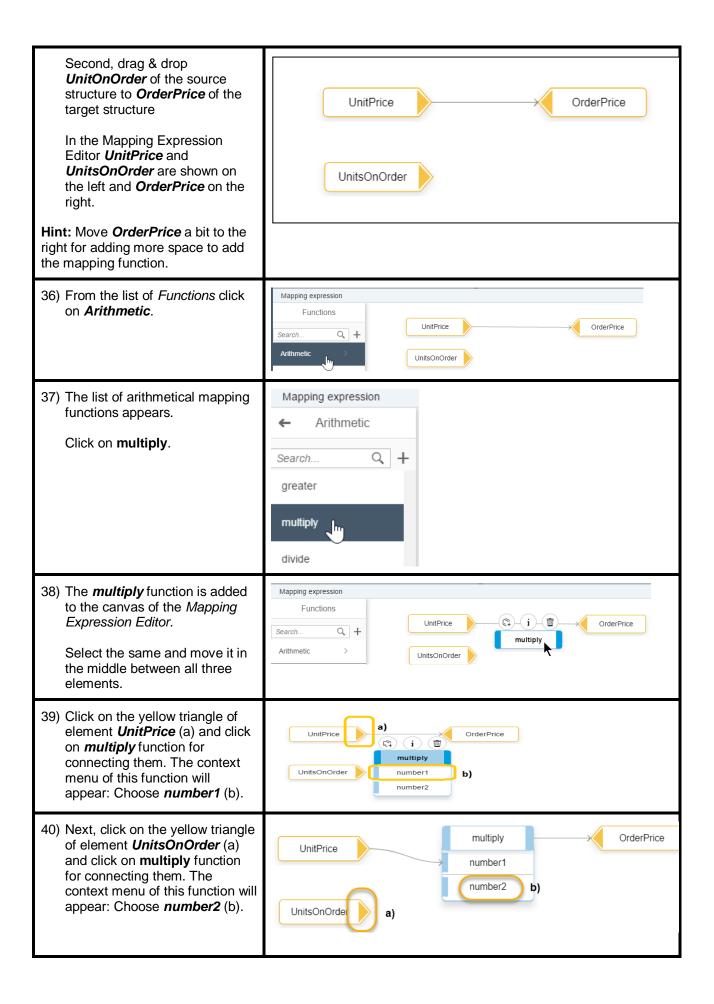


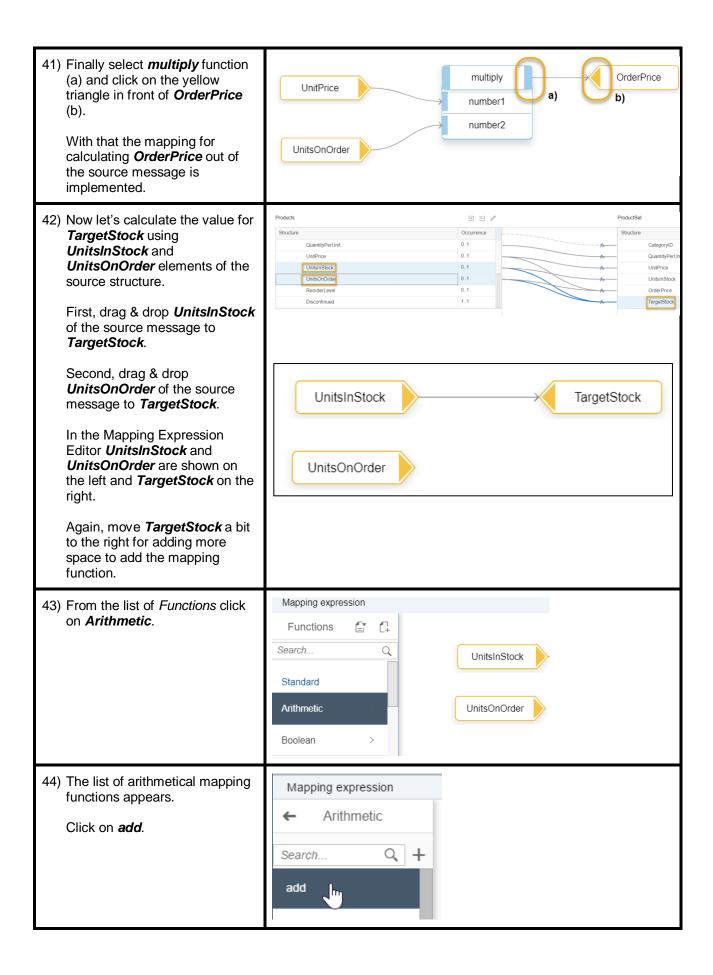


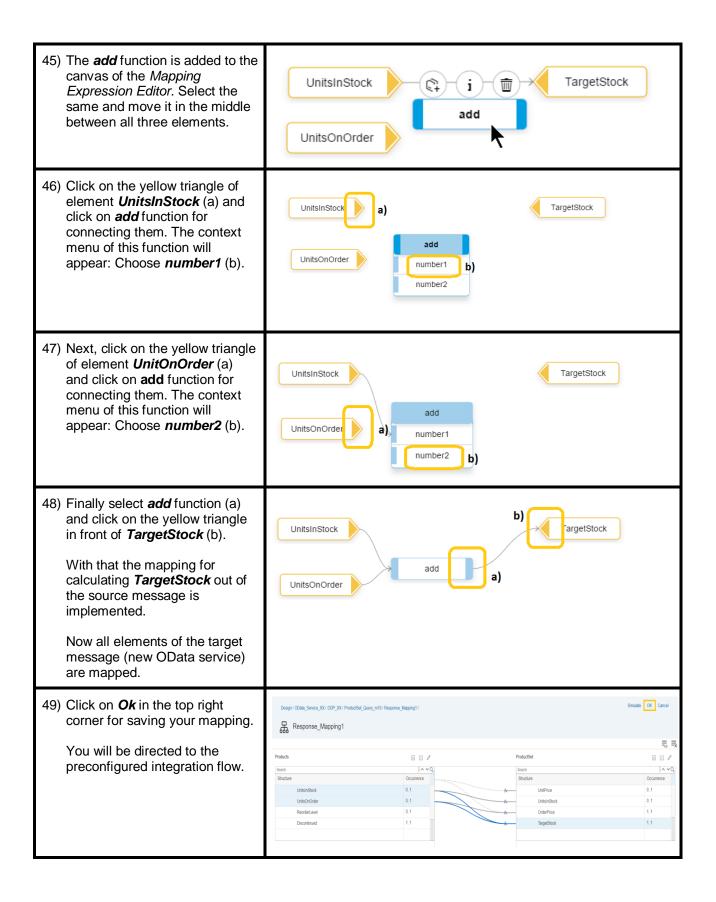


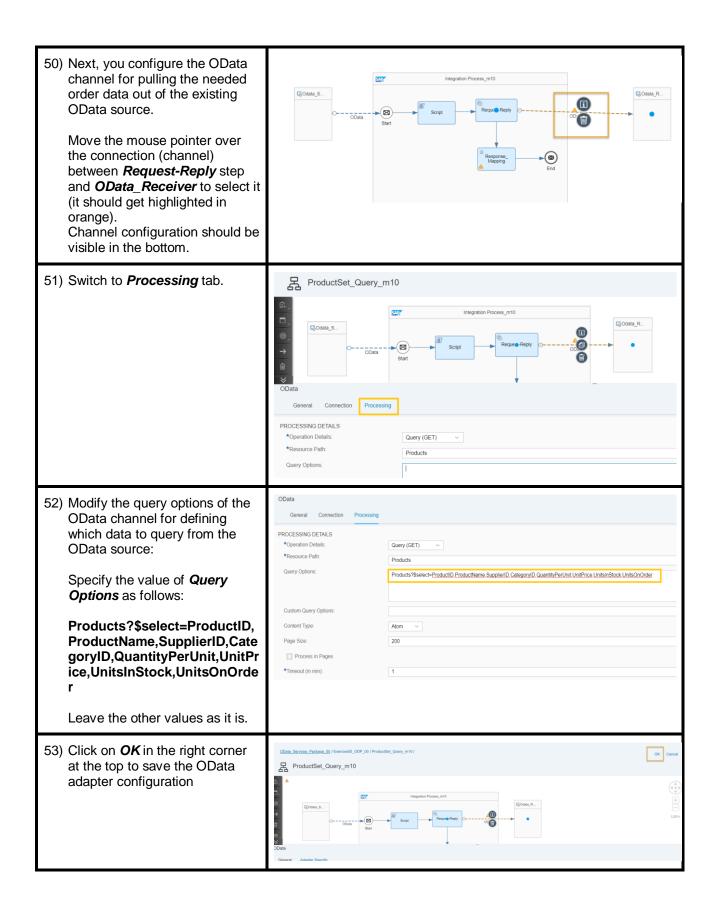


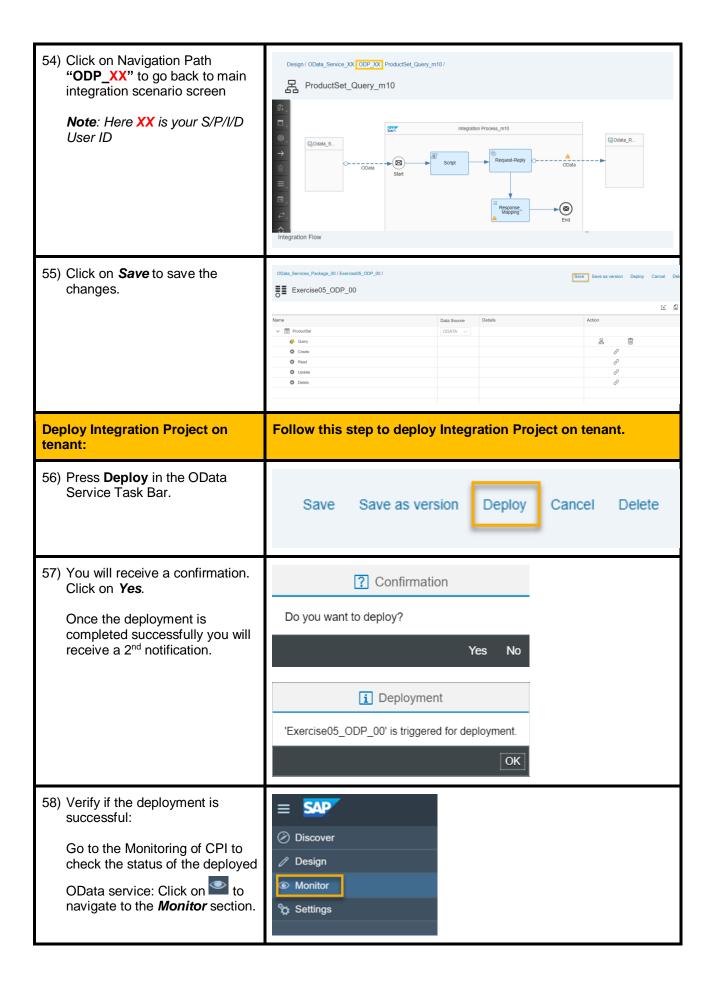


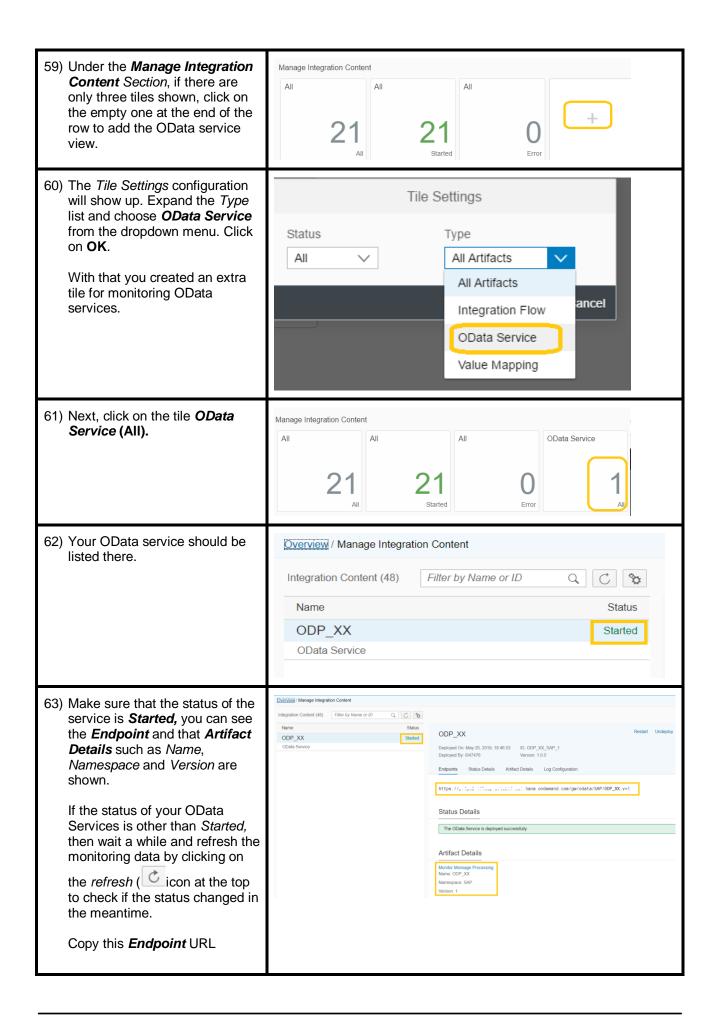


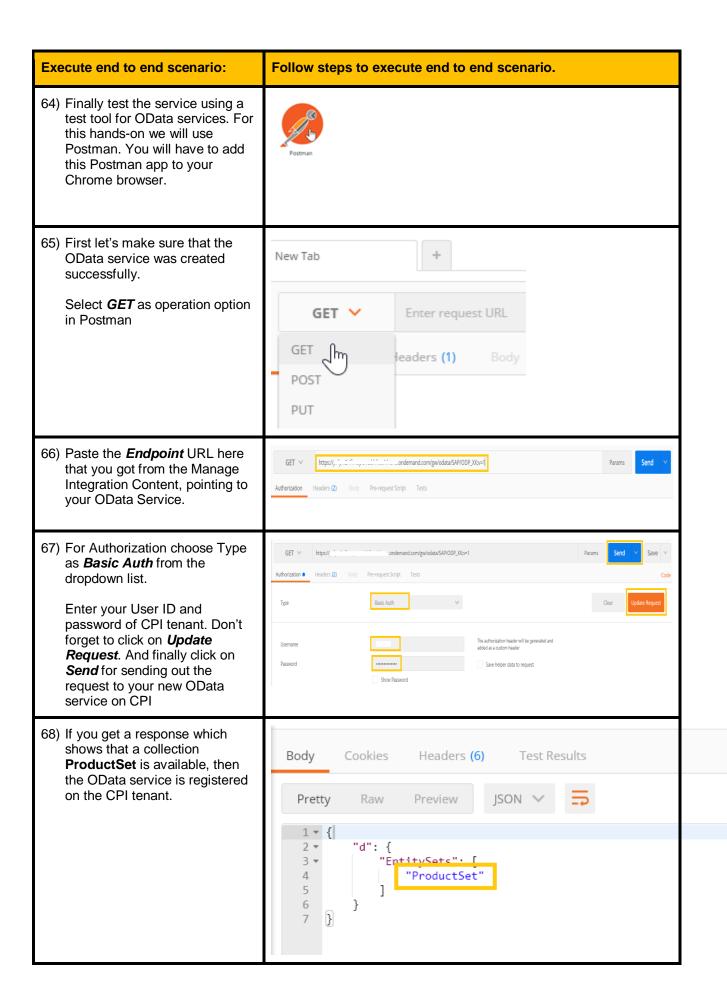












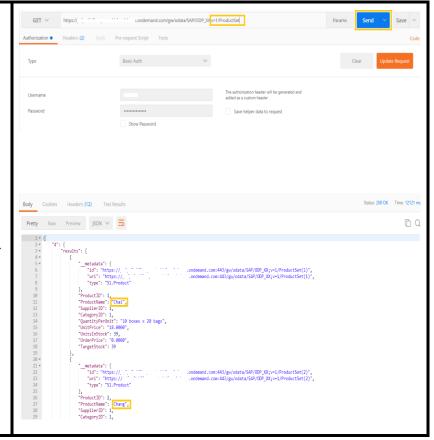
69) Next, call GET operation of this OData service for retrieving the list of orders out of the OData source.

In Postman

- append /ProductSet to the previous URL
- click on Send

As response, you can see several Products listed which include the added properties for *OrderPrice* and *TargetStock* as well.

Congratulations, you have completed the exercise successfully to expose an OData API from an OData data source via SAP Cloud Platform Integration!!



NOTE: THE FOL THIS IS A LEGA		T BE DELETED!

Coding Samples

Any software coding or code lines/strings ("Code") provided in this documentation are only examples and are not intended for use in a production system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules for certain SAP coding. SAP does not warrant the correctness or completeness of the Code provided herein and SAP shall not be liable for errors or damages cause by use of the Code, except where such damages were caused by SAP with intent or with gross negligence.

www.sap.com/contactsap

© 2019 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See www.sap.com/copyright for additional trademark information and notices.

