



PARTNER

SAP BTP Data-to-Value Hands-on Exercise Series

DV140 Exercise01 – Connecting SAP S/4HANA Cloud to SAP Data Warehouse Cloud

This document will guide you step by step on the process of connecting SAP S/4HANA Cloud (Book Product Data and Live Book Sales Data) with SAP Data Warehouse Cloud.

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Table of Contents

DISCLAIMER	4
OBJECTIVE	4
SCENARIO	4
ENVIRONMENT ACCESS	5
EXERCISE STEP DETAILS	5

DISCLAIMER

All functionality presented here is subject to change and may be changed by SAP at any time for any reason without notice.

OBJECTIVE

The objective of this exercise is to guide you through how you can connect SAP S/4HANA Cloud system to SAP Data Warehouse Cloud.

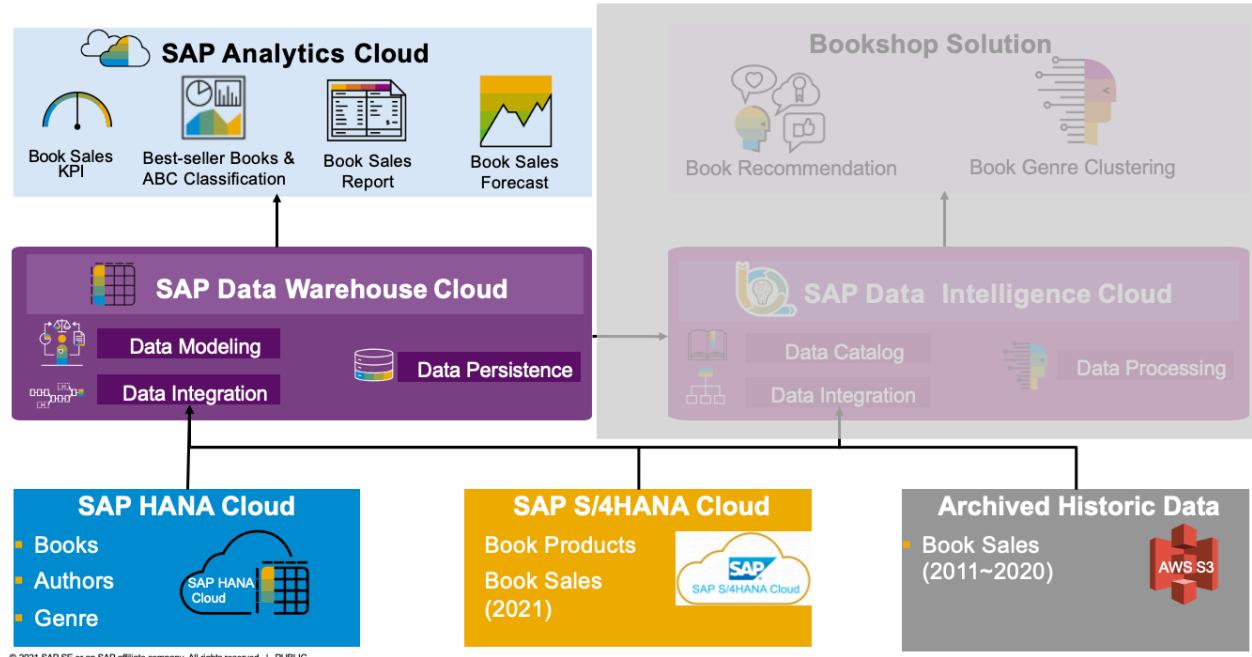
SCENARIO

Per our bookshop storyline there are 3 data sources:

- The live book sales data (2020~2021) is available in SAP S/4HANA Cloud.
- The archived historic book sales data (2011~2019) resides in an Amazon S3 bucket.
- The bookshop solution data locates on SAP HANA Cloud.

SAP Data Warehouse cloud will be used to bring the book sales data together from different sources and provide a uniform, harmonized dataset for analysis. In this exercise we will cover how to connect SAP S/4HANA Cloud system (Book Product Data and Live Book Sales Data) to SAP Data Warehouse Cloud.

Storyline about a bookshop for Data-to-Value workshop



ENVIRONMENT ACCESS

Before proceeding with the exercise, please obtain the Tenant details and Login Credentials of SAP Data Warehouse Cloud and SAP S/4HANA Cloud provided to you as instruction below.

SAP Data Warehouse Cloud (to login SAP Data Warehouse Cloud and perform the exercise):

- Tenant URL
- Username: Your assigned User ID
- Password: Your assigned User Password

SAP S/4HANA Cloud (connection details to be used in the exercise steps below, not for application UI access):

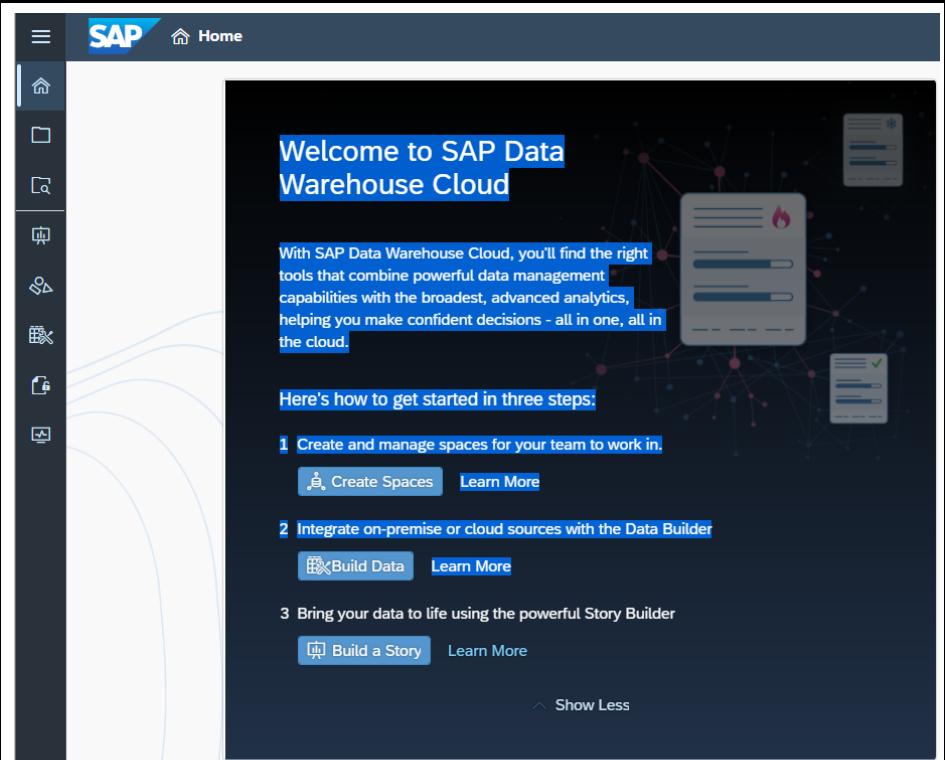
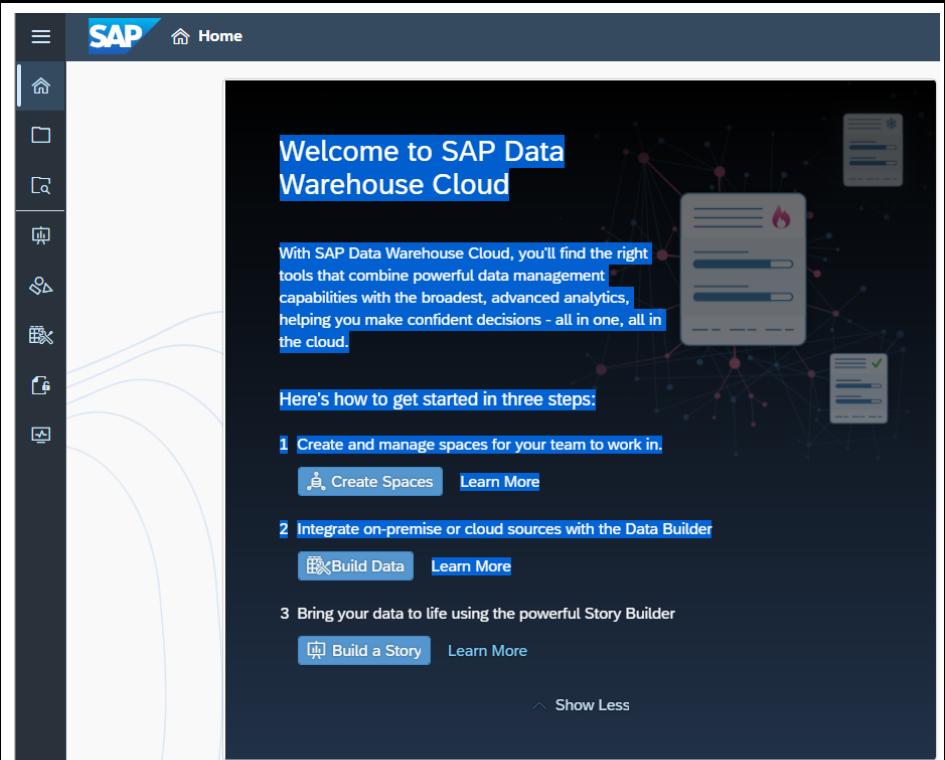
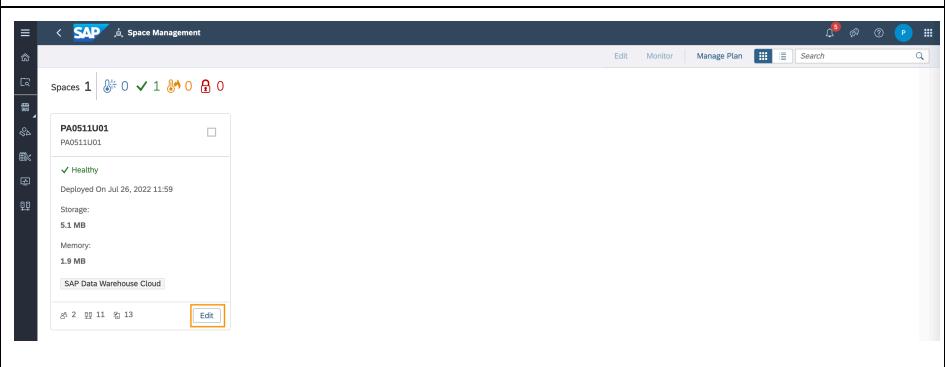
- Application Server
- Client
- System ID
- Username (Communication User in SAP S/4 HANA Cloud, different from your assigned User ID)
- Password (Communication User Password)

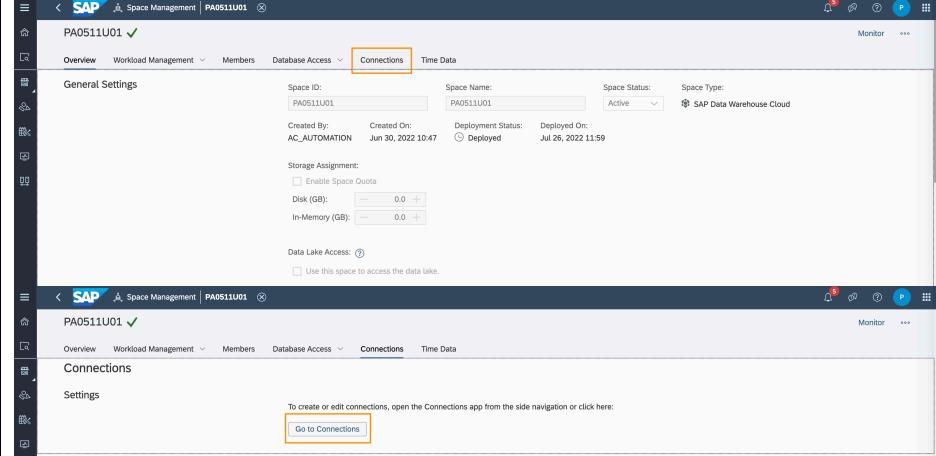
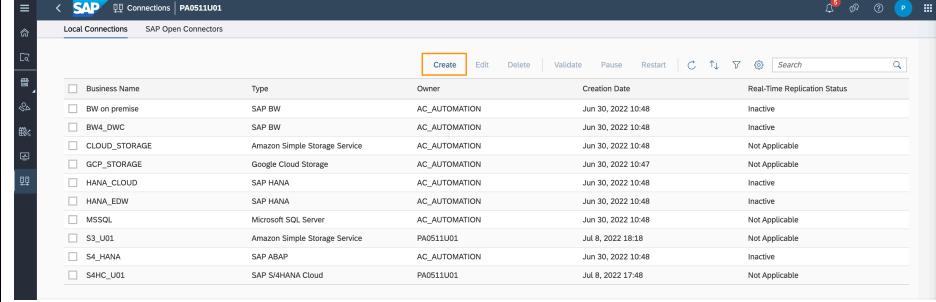
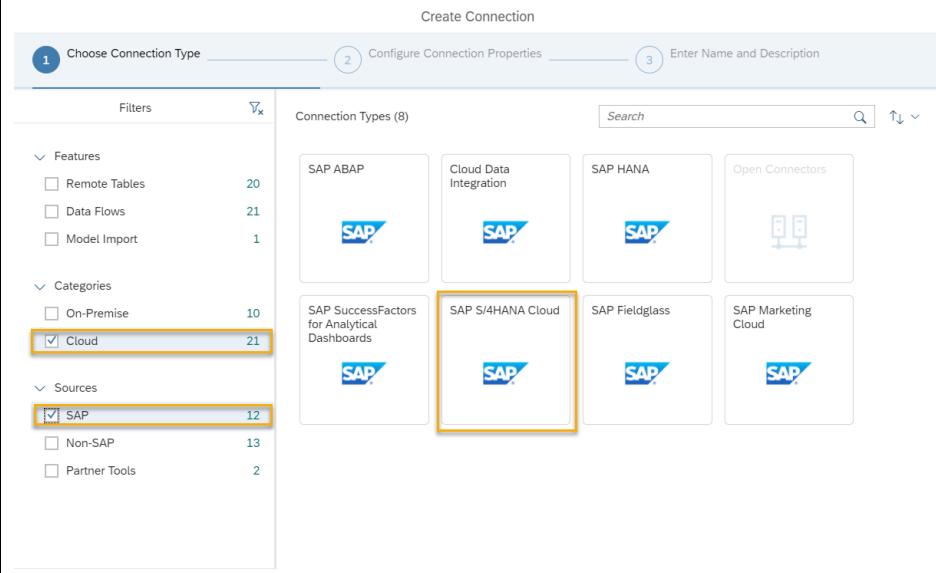
For the Bootcamp participants, please use the SAP Data Warehouse tenant (and your assigned user id and password) and SAP S/4HANA Cloud tenant provided by SAP in the Teams channel you have been invited to:

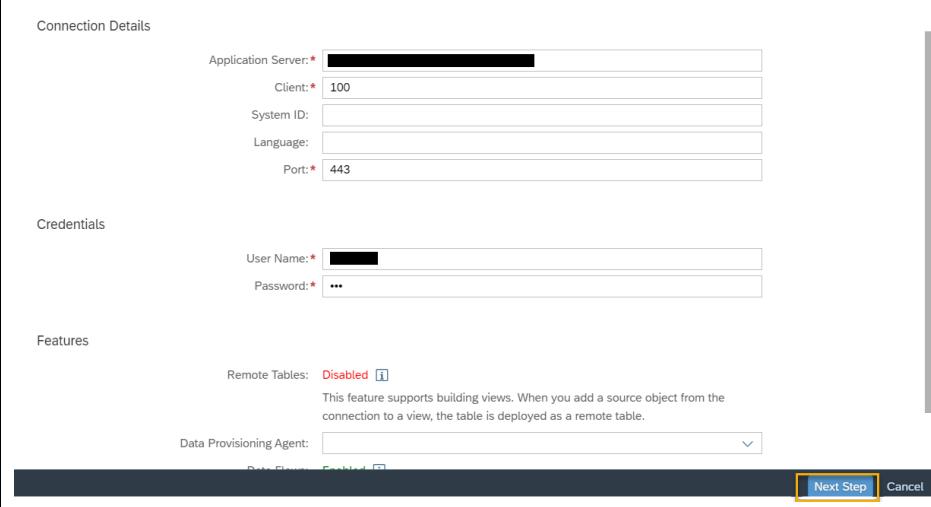
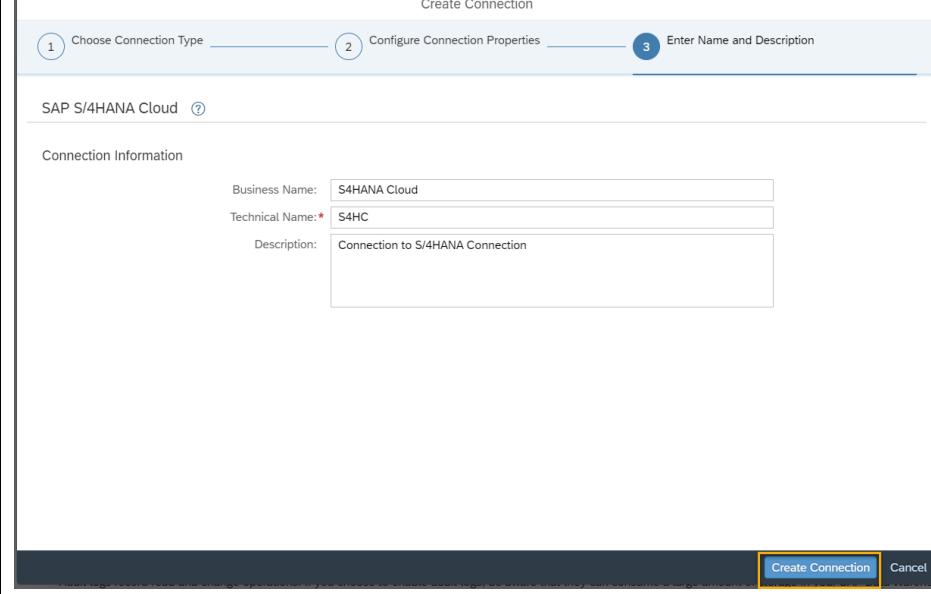
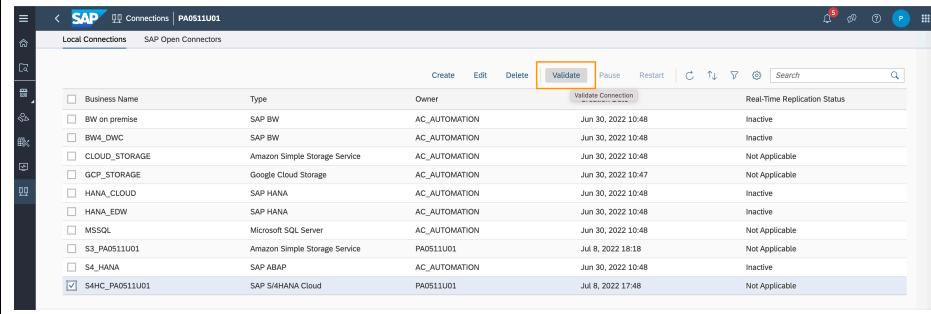
- The SAP Data Warehouse cloud tenant URL is available in the dedicated **Microsoft Teams > General (Channel) > System Access (Tab) > SAP Data Warehouse Cloud (Section)**.
 - Your assigned user id and password for SAP Data Warehouse Cloud are communicated individually via email (NB: the SAP DWC credentials are different from the username (communication user) and password of SAP S/4HANA Cloud demo tenant).
- The connection details (application server, client, username, and password etc.) of SAP S/4HANA Cloud demo tenant are available in the dedicated **Microsoft Teams > General (Channel) > System Access (Tab) > SAP S/4HANA Cloud(section)**.
 - For SAP S/4HANA Cloud, the communication system, communication user and communication arrangement based on standard communication scenario (SAP_COMM_0532) have been created and configured in the given demo tenant. No configuration is required in the SAP S/4HANA Cloud demo tenant for the bootcamp participants.

EXERCISE STEP DETAILS

Explanation	Screenshot
<p>Log on to SAP Data Warehouse Cloud with the given tenant URL and assigned user credential mentioned above.</p> <p>Go to the Home Screen.</p>	

Explanation	Screenshot
<p>Click on the Space Management icon.</p> 	
<p>The Space Management Screen opens.</p> <p>For the bootcamp participants, the space id corresponds to your assigned user id.</p> 	

Explanation	Screenshot
<p>Click on EDIT and open your Space. In the space click on Connections.</p>	
<p>Then click on “Go to Connections” to create or edit connections.</p>	
<p>In the Local Connections section click “Create” to add a new connection.</p>	
<p>The Create Connection screen opens.</p> <p>In the Create Connection Screen, apply the filters as below:</p> <ul style="list-style-type: none"> • Filter “Categories” by “Cloud” • Filter “Sources” by “SAP” <p>Select “SAP S/4HANA Cloud” from the filtered list of connection types.</p>	

Explanation	Screenshot
<p>Provide the following details in the Create Connection Screen:</p> <ul style="list-style-type: none"> -Application Server: -Client: -System ID: -Port: -User Name: -Password: <p>All the details are provided in the <u>ENVIRONMENT ACCESS</u> section in the beginning of this exercise.</p> <p>Then click Next Step.</p>	
<p>In the next screen provide:</p> <ul style="list-style-type: none"> - Technical Name as S4HC_<USERID>. Please, assure to follow the naming conversion here, replace <USER_ID> with your assigned user id; - Business Name will be auto-generated as per Technical Name; - Description: <i>SAP S/4HANA Cloud Connection for user <USER_ID></i> <p>and click Create Connection.</p>	
<p>The new connection will be added to the Connection list. Select the connection just created for SAP S/4HANA Cloud and click the “Validate” button.</p>	

Explanation	Screenshot
<p>Check the Connection Status.</p> <p>As a result, the connection of SAP S/4HANA Cloud demo tenant is ready in SAP Data Warehouse Cloud.</p>	<p>Connection "S4HANA Cloud" is valid. - Data flows are enabled. - Remote tables are disabled.</p>