



PARTNER

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

DV140 Exercise02 – Connecting SAP HANA Cloud to SAP Data Warehouse Cloud

This document will guide you step by step on the process of connecting SAP HANA Cloud (bookshop solution data) with SAP Data Warehouse Cloud

www.sap.com/contactsap

© 2018 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.



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 HANA Cloud system to SAP Data Warehouse Cloud.

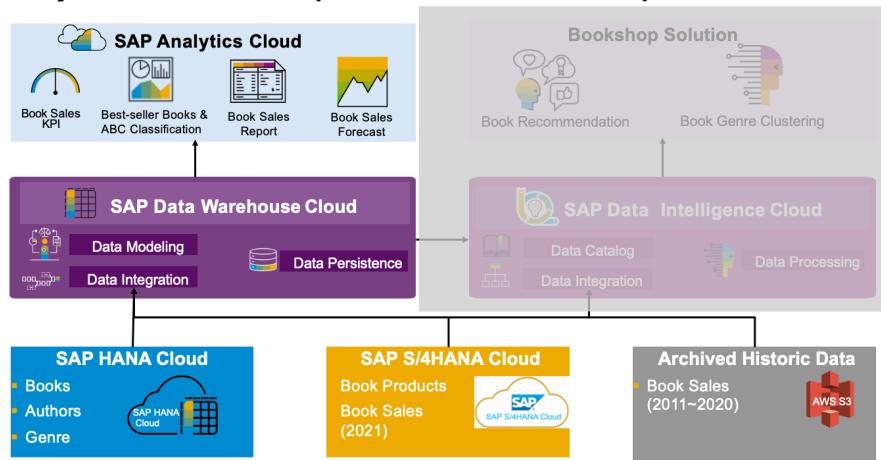
SCENARIO

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 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 HANA Cloud system (bookshop solution 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 HANA Cloud provided to you as instruction below.

SAP Data Warehouse Cloud (to login SAP Data Warehouse Cloud, and perform the [exercise steps](#)):

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

SAP HANA Cloud (connection details to be used in the [exercise steps](#) below, not for Application UI access):

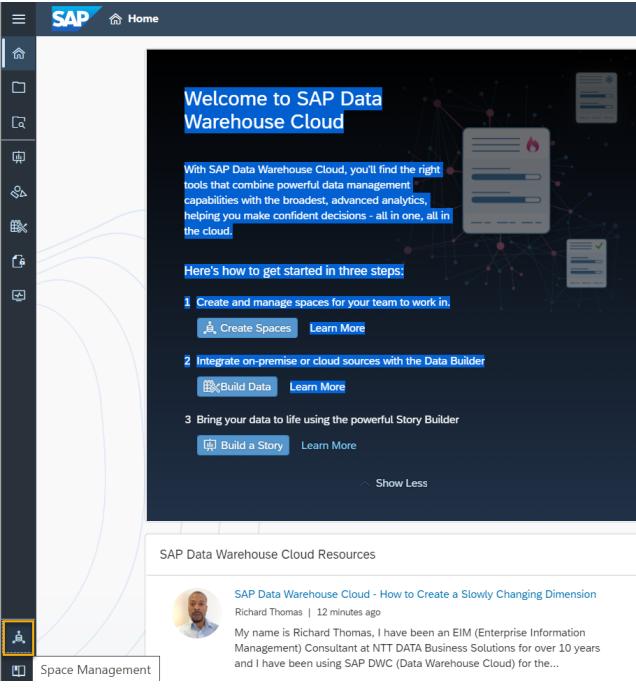
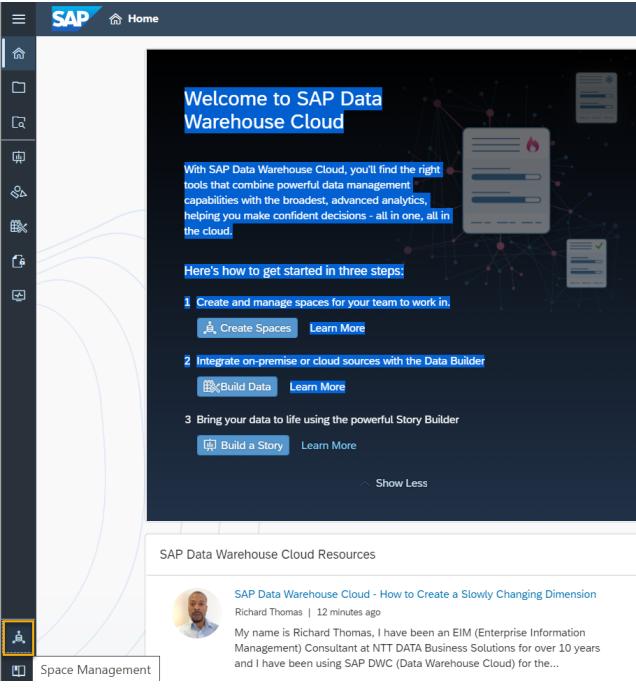
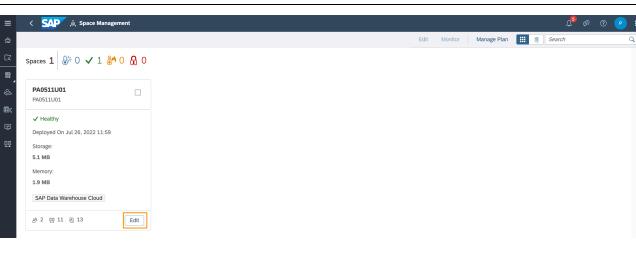
- Host (SQL Endpoint)
- Port
- Username: Your assigned User ID
- Password: Your assigned User Password

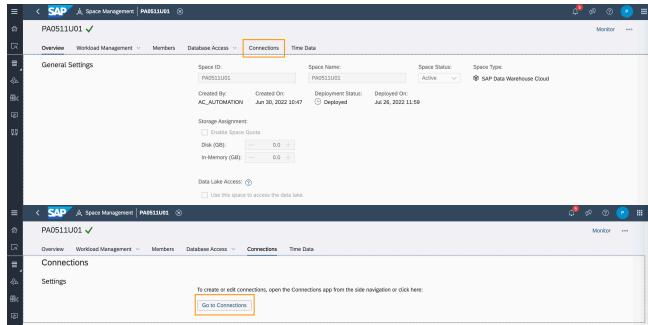
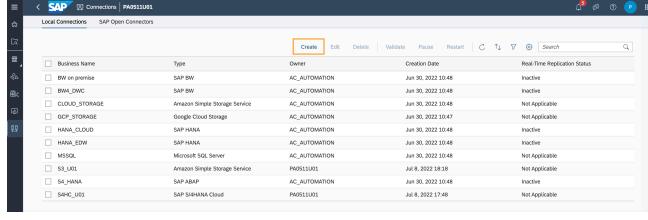
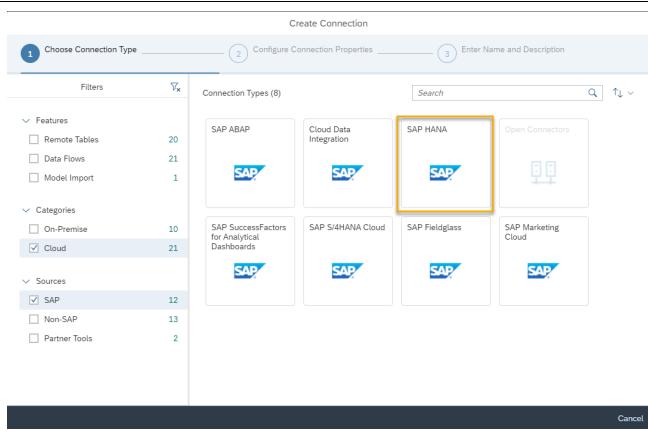
For the Bootcamp participants, please use the SAP Data Warehouse tenant and SAP HANA Cloud tenant provided by SAP, and your assigned user id and password.

- The SAP Data Warehouse cloud tenant URL is available in the dedicated **Microsoft Teams > General (Channel) > System Access (Tab) > SAP Data Warehouse Cloud (Section)**, which you have been invited.
- The connection details (Host and Port) of SAP HANA Cloud demo tenant are available in the dedicated **Microsoft Teams > General (Channel) > System Access (Tab) > SAP HANA Cloud (section)**.
- Your assigned user id and password for both SAP Data Warehouse Cloud and SAP HANA Cloud are communicated individually via email.

EXERCISE STEP DETAILS

Explanation	Screenshot
Log on to SAP DATA Warehouse Cloud tenant with your assigned User ID and Password mentioned above. Get to the Home Screen.	

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 is your assigned user id.</p>	

Explanation	Screenshot
<p>Click on EDIT and open your Space. In the space click on the Connections tab.</p>	 <p>The screenshot shows the SAP Space Management interface. The top navigation bar has 'PA0511U01' and a green checkmark. Below it are tabs: Overview, Workload Management, Members, Database Access, Connections, and Time Data. The 'Connections' tab is selected. On the left, there's a sidebar with icons for Overview, Workload Management, Members, Database Access, and a Connections icon. The main area shows 'General Settings' for Space ID PA0511U01, Space Name PA0511U01, Space Status Active, and Space Type SAP Data Warehouse Cloud. It also shows 'Storage Assignment' with Disk (OS) 0.0 and In-Memory (GB) 0.0. Below that is 'Data Lake Access' with a note 'Use this space to access the data lake.' A 'Create' button is visible at the bottom of the screen.</p>
<p>In the Local Connections section click on "Create" to add a new connection.</p>	 <p>The screenshot shows the SAP Connections interface. The top navigation bar has 'PA0511U01' and a green checkmark. Below it are tabs: Overview, Workload Management, Members, Database Access, Connections, and Time Data. The 'Connections' tab is selected. On the left, there's a sidebar with icons for Overview, Workload Management, Members, Database Access, and a Connections icon. The main area shows a table titled 'Local Connections' with a 'SAP Open Connectors' row. A 'Create' button is highlighted with a red box. The table lists various connections like Business Name, Type, Owner, Creation Date, and Real-Time Replication Status.</p>
<p>The Create Connection Screen opens. 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>and select "SAP HANA Cloud" in the filtered list as connection type</p>	 <p>The screenshot shows the 'Create Connection' dialog. It has three steps: 1. Choose Connection Type, 2. Configure Connection Properties, and 3. Enter Name and Description. Step 1 is active. On the left, there are filters: Features (Remote Tables 20, Data Flows 21, Model Import 1), Categories (On-Premise 10, Cloud 21, selected), and Sources (SAP 12, Non-SAP 13, Partner Tools 2). Step 2 shows 'Connection Types (8)' with a 'Search' bar. The 'SAP HANA' option is highlighted with a red box. Other options include SAP ABAP, Cloud Data Integration, SAP SuccessFactors for Analytical Dashboards, SAP S/4HANA Cloud, SAP Fieldglass, and SAP Marketing Cloud.</p>

Explanation	Screenshot
<p>Provide the following connection details in the Create Connection Screen</p> <p>Category: Cloud Host: Port: 443 Username: <Your User ID> Password: <Your User Pwd></p> <p>All the connection details are provided in the <u>ENVIRONMENT ACCESS</u> section in the beginning of this exercise.</p>	
<p>In the next screen provide:</p> <ul style="list-style-type: none"> - Technical Name as HANACLOUD_<USERID>. Please, assure to follow the naming conversion here, replace <USER_ID> with your assigned user id; - Business Name will be auto generated based on technical name; - Description as SAP HANA Cloud Connection for user <USER_ID> <p>and click Create Connection.</p>	
<p>The new connection will be added to the Connection list. Select the connection just created and click "Validate".</p>	<div style="border: 1px solid red; padding: 5px; margin-left: 20px;"> Commented [CC1]: For future use this screenshot has to be updated. </div>

Explanation	Screenshot
<p>Check the Connection Status.</p> <p>As a result, the connection of SAP HANA Cloud demo tenant is ready in SAP Data Warehouse Cloud.</p>	<p>Connection "SAP HC Demo" is valid.</p> <ul style="list-style-type: none">- Data flows are enabled.- Remote tables are enabled.