



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.

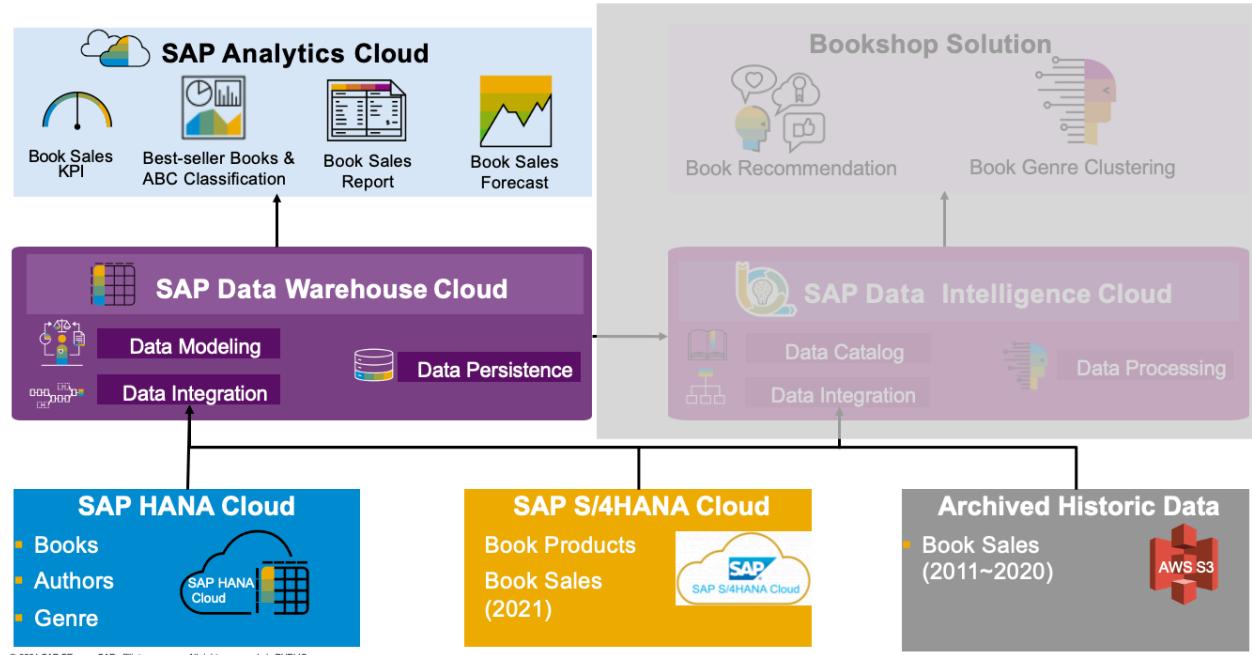
SCENARIO

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

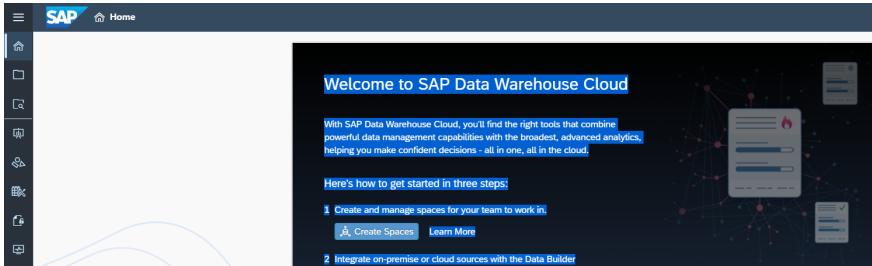
SAP HANA Cloud (connection details to be used in the exercise steps below, not for Application UI access):

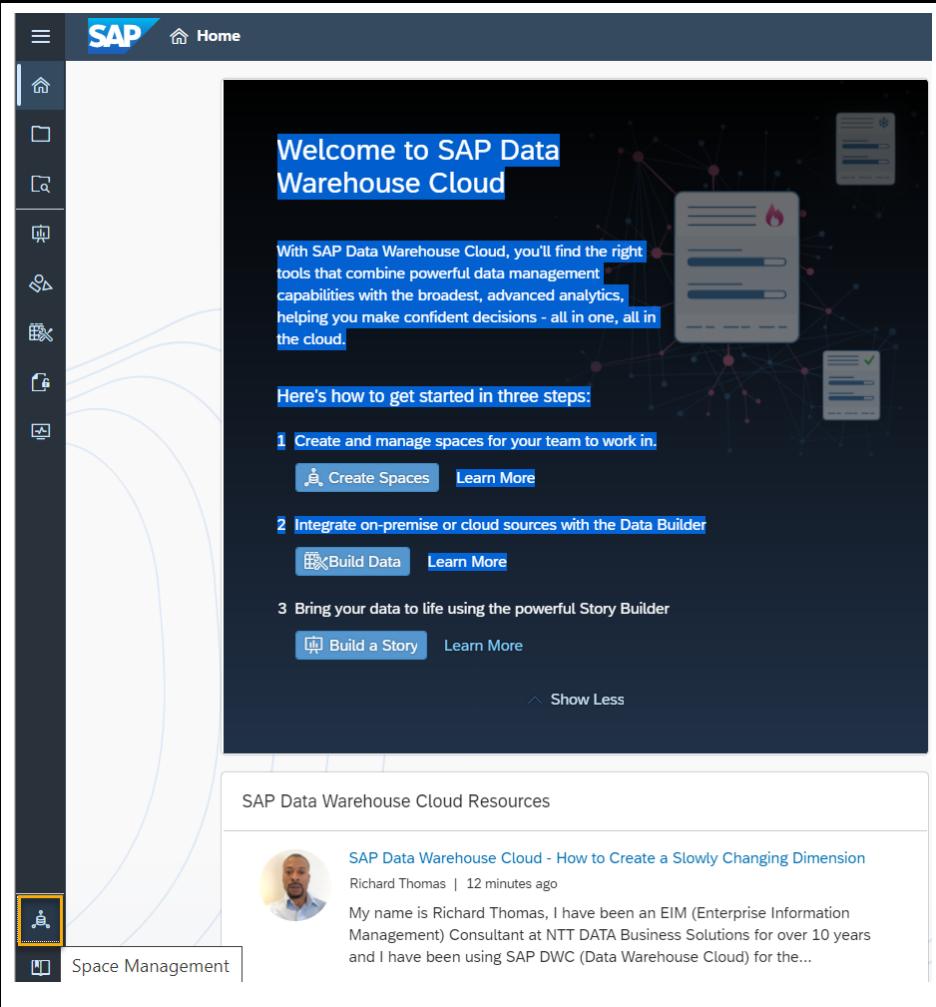
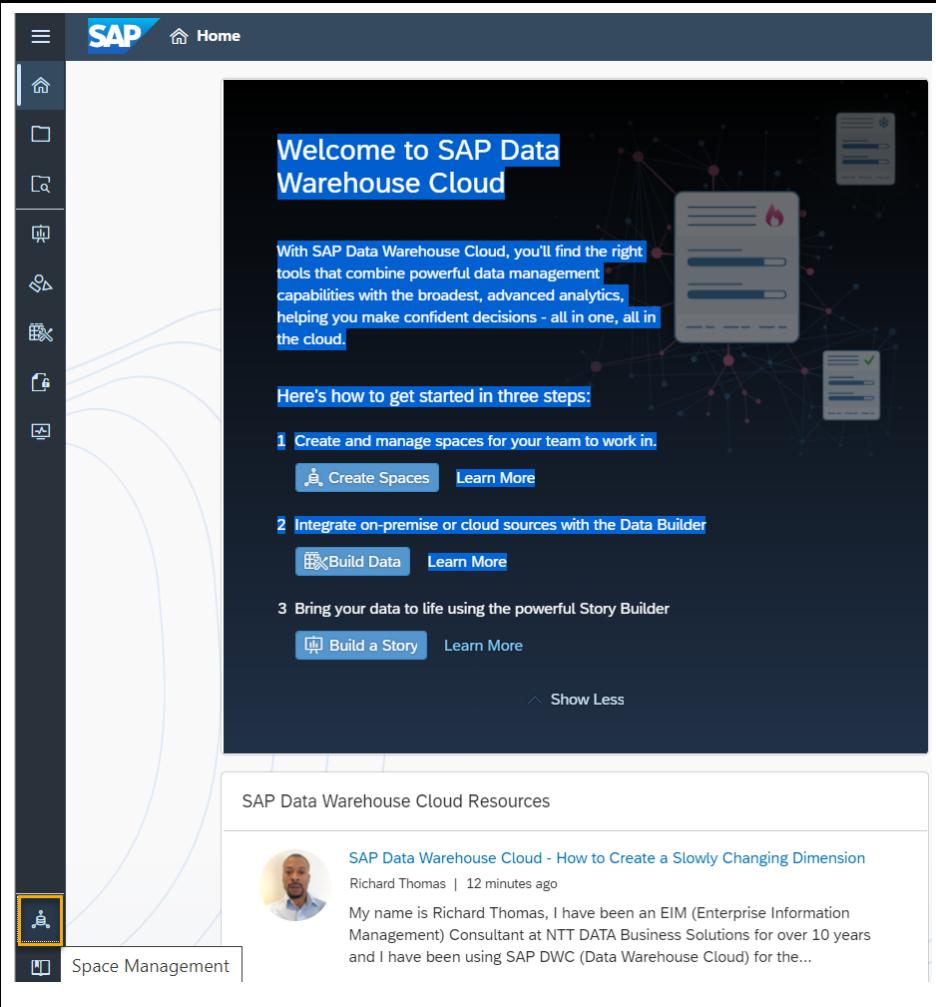
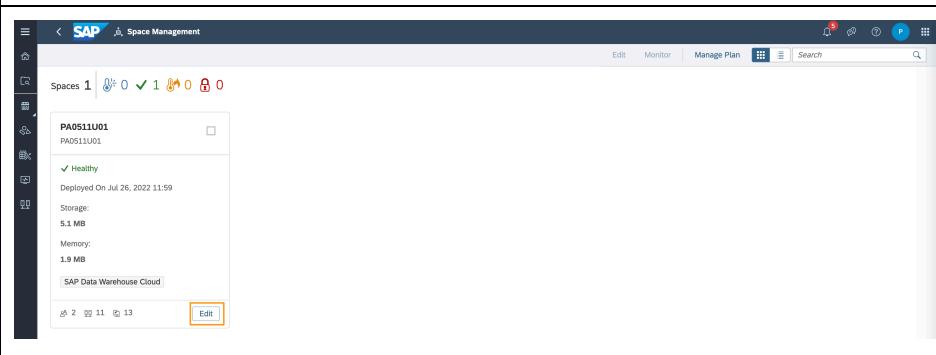
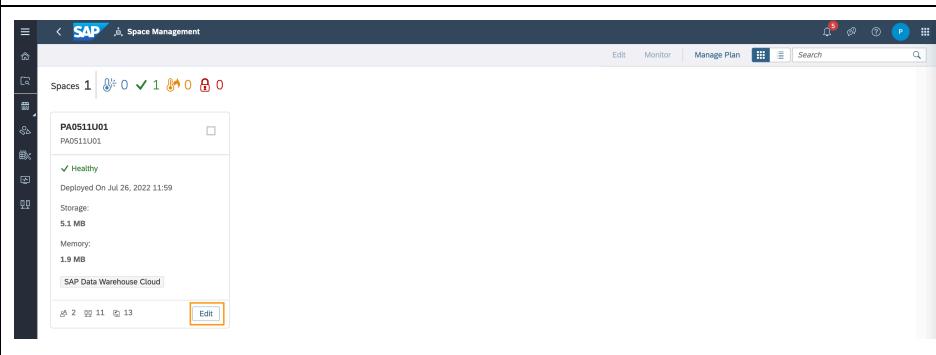
- Host (SQL Endpoint)
- Port
- Username: Your assigned User ID
- Password: Your assigned User Password

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>Welcome to SAP Data Warehouse Cloud</p> <p>With SAP Data Warehouse Cloud, you'll find the right tools that combine powerful data management capabilities with the broadest, advanced analytics, helping you make confident decisions - all in one, all in the cloud.</p> <p>Here's how to get started in three steps:</p> <ol style="list-style-type: none"> 1 Create and manage spaces for your team to work in. Create Spaces Learn More 2 Integrate on-premise or cloud sources with the Data Builder Build Data Learn More 3 Bring your data to life using the powerful Story Builder Build a Story Learn More <p>Show Less</p> <p>SAP Data Warehouse Cloud Resources</p> <p>SAP Data Warehouse Cloud - How to Create a Slowly Changing Dimension Richard Thomas 12 minutes ago My name is Richard Thomas, I have been an EIM (Enterprise Information Management) Consultant at NTT DATA Business Solutions for over 10 years and I have been using SAP DWC (Data Warehouse Cloud) for the...</p>												
<p>The Space Management Screen opens.</p> <p>For the bootcamp participants, the space id is your assigned user id.</p> 	 <p>Spaces 1</p> <table border="1"> <tr> <td>PA0511U01</td> <td>PA0511U01</td> </tr> <tr> <td>✓ Healthy</td> <td></td> </tr> <tr> <td>Deployed On Jul 26, 2022 11:59</td> <td></td> </tr> <tr> <td>Storage: 5.1 MB</td> <td></td> </tr> <tr> <td>Memory: 1.9 MB</td> <td></td> </tr> <tr> <td>SAP Data Warehouse Cloud</td> <td></td> </tr> </table> <p>Edit</p>	PA0511U01	PA0511U01	✓ Healthy		Deployed On Jul 26, 2022 11:59		Storage: 5.1 MB		Memory: 1.9 MB		SAP Data Warehouse Cloud	
PA0511U01	PA0511U01												
✓ Healthy													
Deployed On Jul 26, 2022 11:59													
Storage: 5.1 MB													
Memory: 1.9 MB													
SAP Data Warehouse Cloud													

Explanation

Click on EDIT and open your Space. In the space click on the Connections tab.

Screenshot

The screenshot shows two views of the SAP Space Management interface. The top view is the Overview page for space PA0511U01, where the 'Connections' tab is highlighted with a yellow box. The bottom view is the Connections page for the same space, also with the 'Connections' tab highlighted. Both pages show basic settings like Space ID, Name, Status, and Storage Assignment.

In the Local Connections section click on “Create” to add a new connection.

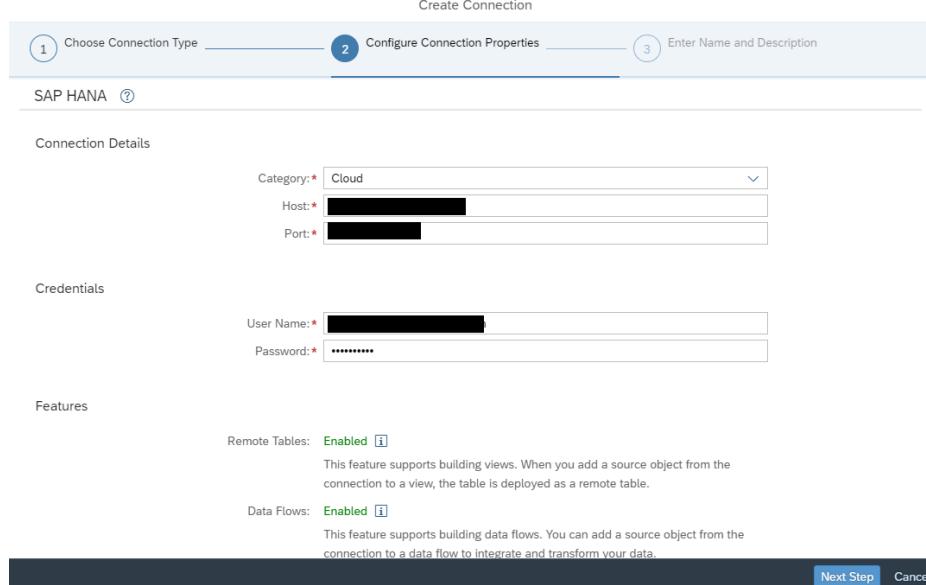
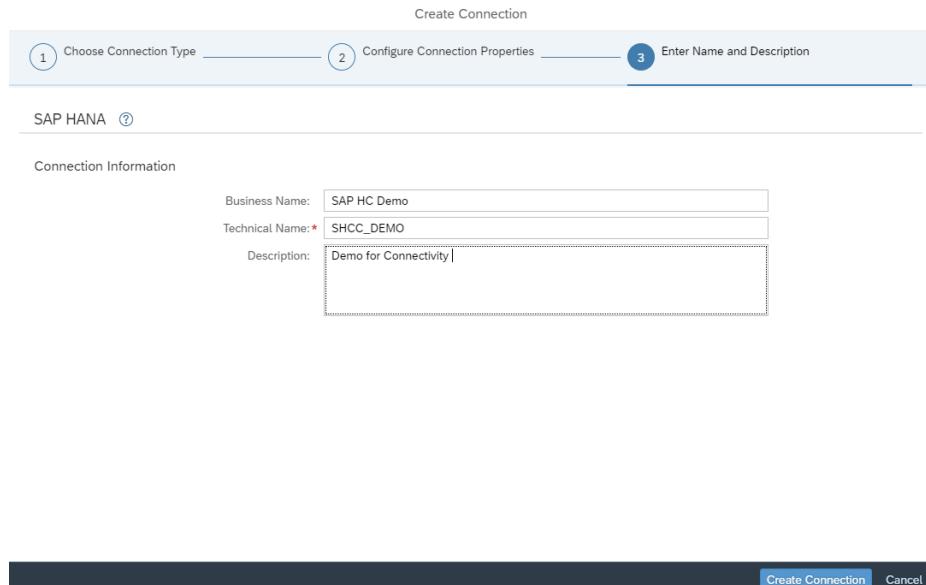
This screenshot shows the Local Connections table in the SAP Connections interface. It lists various connections with columns for Business Name, Type, Owner, Creation Date, and Real-Time Replication Status. A yellow box highlights the 'Create' button at the top of the table.

The Create Connection Screen opens. In the Create Connection Screen, apply the filters as below:

- Filter “Categories” by “Cloud”
- Filter “Sources” by “SAP”

and select “SAP HANA Cloud” in the filtered list as connection type

This screenshot shows the 'Create Connection' dialog. On the left, a sidebar displays filters for Features, Categories, and Sources, with 'Cloud' and 'SAP' selected. The main area shows a grid of connection types, with 'SAP HANA' highlighted by a yellow box. Other visible options include SAP ABAP, Cloud Data Integration, SAP SuccessFactors for Analytical Dashboards, SAP S/4HANA Cloud, SAP Fieldglass, and SAP Marketing Cloud.

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>Create Connection</p> <p>Choose Connection Type 2 Configure Connection Properties 3 Enter Name and Description</p> <p>SAP HANA ?</p> <p>Connection Details</p> <p>Category: * Cloud</p> <p>Host: *</p> <p>Port: *</p> <p>Credentials</p> <p>User Name: *</p> <p>Password: *</p> <p>Features</p> <p>Remote Tables: Enabled i This feature supports building views. When you add a source object from the connection to a view, the table is deployed as a remote table.</p> <p>Data Flows: Enabled i This feature supports building data flows. You can add a source object from the connection to a data flow to integrate and transform your data.</p> <p>Next Step Cancel</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 <i>SAP HANA Cloud Connection for user <USER_ID></i> <p>and click Create Connection.</p>	 <p>Create Connection</p> <p>Choose Connection Type 2 Configure Connection Properties 3 Enter Name and Description</p> <p>SAP HANA ?</p> <p>Connection Information</p> <p>Business Name: SAP HC Demo</p> <p>Technical Name: * SHCC_DEMO</p> <p>Description: Demo for Connectivity</p> <p>Create Connection Cancel</p>										
<p>The new connection will be added to the Connection list. Select the connection just created and click "Validate".</p>	 <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Owner</th> <th>Creation Date</th> <th>Real-Time Replication Status</th> </tr> </thead> <tbody> <tr> <td>SAP HC Demo</td> <td>SAP HANA</td> <td>AA</td> <td>Sep 23, 2021 9:53</td> <td>Inactive</td> </tr> </tbody> </table>	Name	Type	Owner	Creation Date	Real-Time Replication Status	SAP HC Demo	SAP HANA	AA	Sep 23, 2021 9:53	Inactive
Name	Type	Owner	Creation Date	Real-Time Replication Status							
SAP HC Demo	SAP HANA	AA	Sep 23, 2021 9:53	Inactive							

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.