



INTERNAL

## **SAP Data Warehouse Cloud hands-on exercises**

This document will guide you step by step on the process of connecting Amazon S3 with SAP Data Warehouse Cloud

**THE BEST RUN**



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## **DISCLAIMER**

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## **OBJECTIVE**

The objective of this exercise is to give you an overview of how you can connect SAP HANA Cloud system to SAP Data Warehouse Cloud.

## **SCENARIO**

The book sales data is available in SAP S/4HANA Cloud. Historical information of book sale is available in Amazon S3 bucket. Data Warehouse cloud will be used to bring the book sales data together from different sources and provide an uniform, harmonized data set for analysis. In this exercise we will cover how to connect Amazon S3 system to SAP Data Warehouse Cloud.


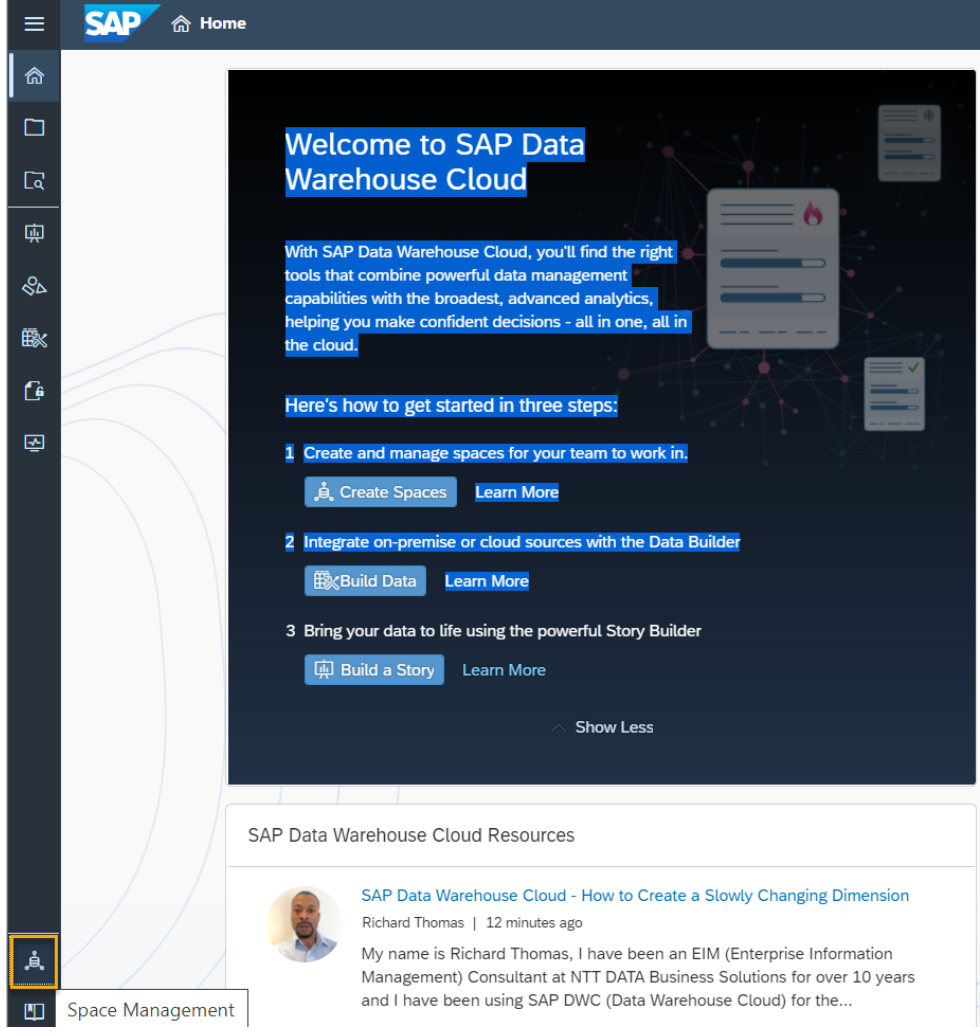
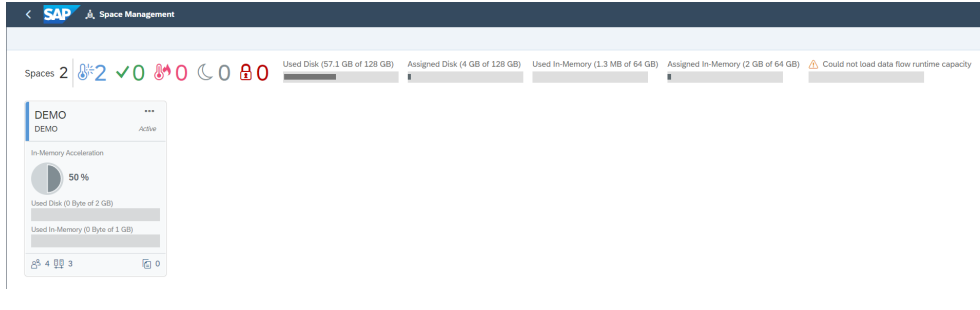
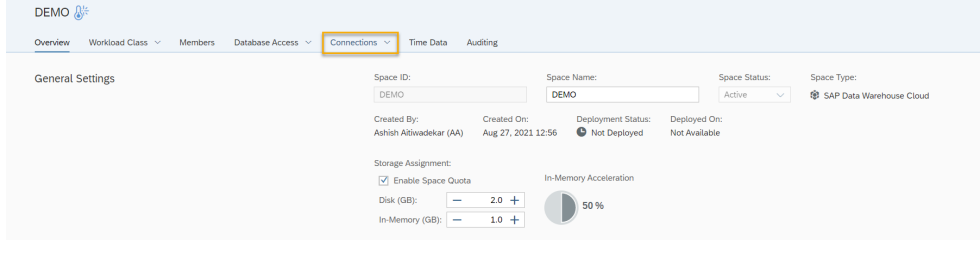
ENVIRONMENT ACCESS – SAP DATA WAREHOUSE CLOUD


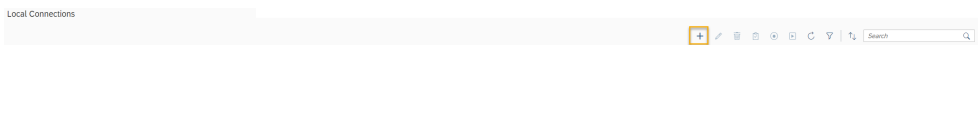
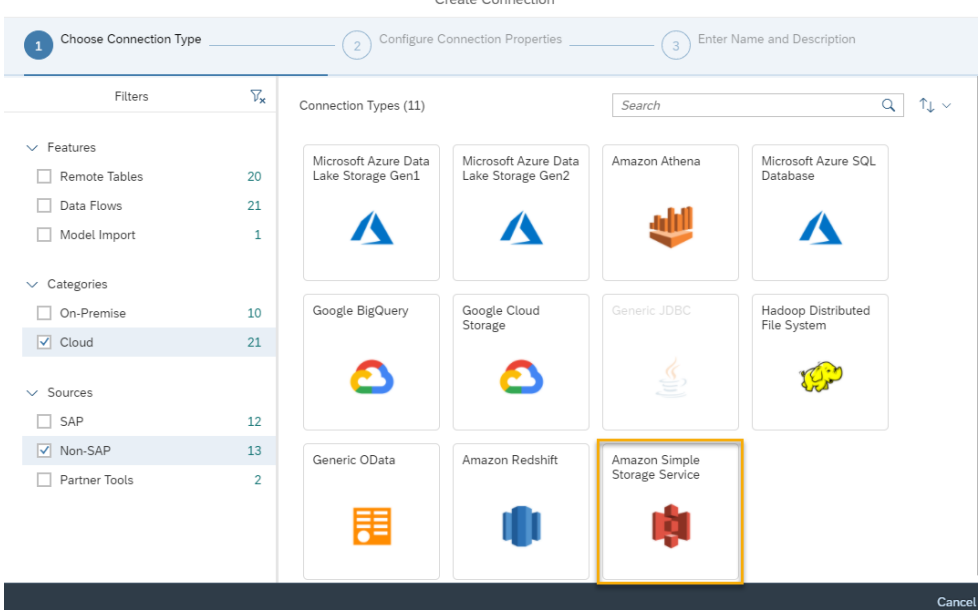
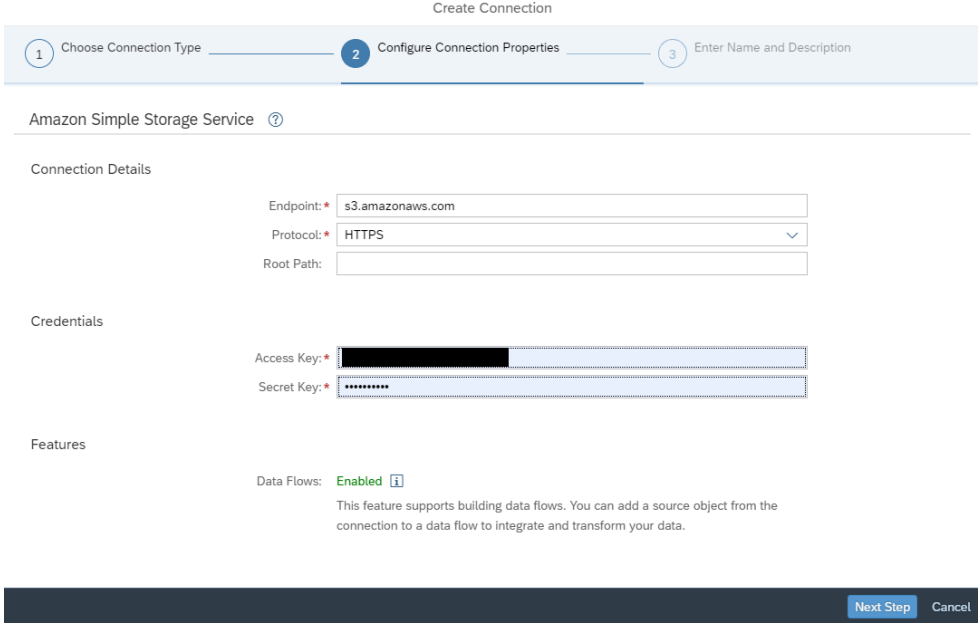
Please use the Tenant details and Login Credentials provided to you.

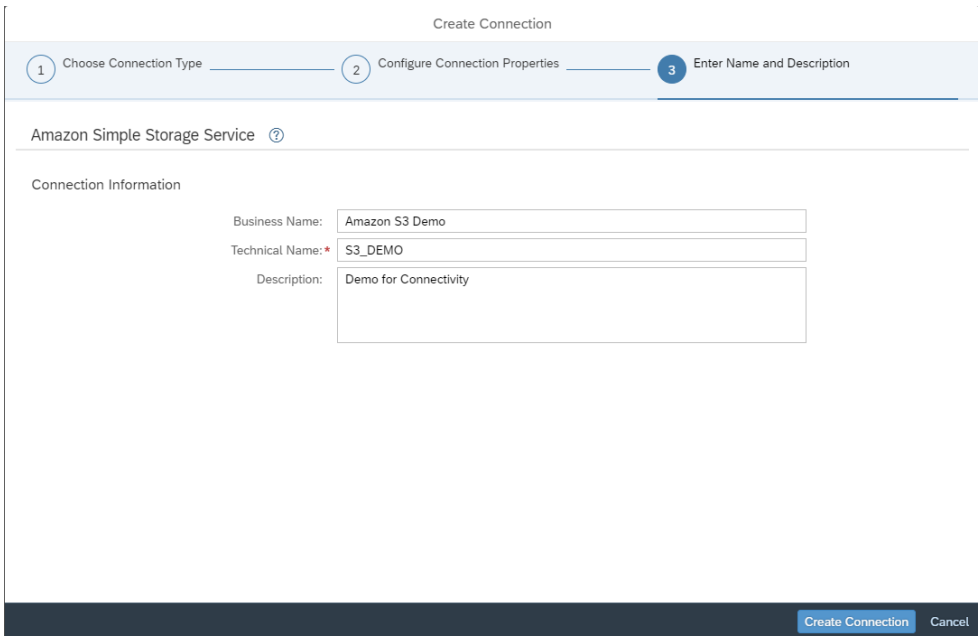

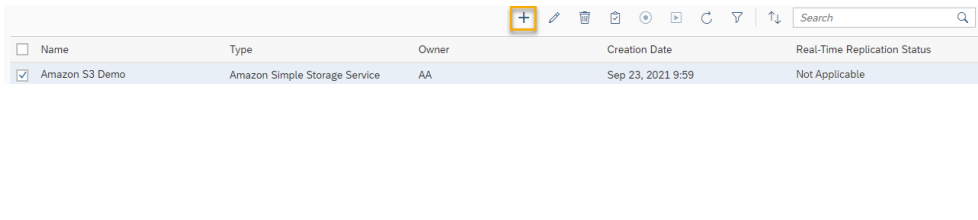
In this session you will use,  
**SAP Data Warehouse Cloud**  
Tenant URL  
Space Name  
Username  
Password

**Amazon S3**  
Endpoint  
Root Path  
Access Key  
Secret Key

Explanation	Screenshot
Log on to SAP DATA Warehouse Cloud and Get to the Home Screen	

Explanation	Screenshot
<p>Click on the Space Management</p> 	 <p>The screenshot shows the SAP Data Warehouse Cloud Home page. The left sidebar contains a vertical menu with icons for Home, Spaces, Data Builder, Story Builder, and Space Management. The 'Space Management' icon at the bottom is highlighted with a yellow box. The main content area displays a 'Welcome to SAP Data Warehouse Cloud' message, followed by a list of three steps to get started: 1. Create and manage spaces, 2. Integrate on-premise or cloud sources, and 3. Bring your data to life using the Story Builder. Below this, there is a section for 'SAP Data Warehouse Cloud Resources' featuring a video titled 'SAP Data Warehouse Cloud - How to Create a Slowly Changing Dimension' by Richard Thomas.</p>
<p>The Space Management Screen opens. Providing you your allocated space. Click on allocated space.</p>	 <p>The screenshot shows the SAP Space Management screen. At the top, there is a header bar with the SAP logo and 'Space Management'. Below this, a summary bar shows 'Spaces 2' with various status icons and resource usage: 'Used Disk (57.1 GB of 128 GB)', 'Assigned Disk (4 GB of 128 GB)', 'Used In-Memory (1.3 MB of 64 GB)', and 'Assigned In-Memory (2 GB of 64 GB)'. A warning icon indicates 'Could not load data flow runtime capacity'. The main content area displays a card for a 'DEMO' space, which is 'Active'. The card shows 'In-Memory Acceleration' at 50%, 'Used Disk (0 Byte of 2 GB)', and 'Used In-Memory (0 Byte of 1 GB)'. At the bottom of the card, there are icons for '4' and '3'.</p>
<p>Systems opens your Space. In the space click on Connections.</p>	 <p>The screenshot shows the SAP Space Connections screen. The header bar includes 'DEMO' and a navigation menu with 'Overview', 'Workload Class', 'Members', 'Database Access', 'Connections', 'Time Data', and 'Auditing'. The 'Connections' tab is selected. The main content area is titled 'General Settings' and contains fields for 'Space ID' (DEMO), 'Space Name' (DEMO), 'Space Status' (Active), and 'Space Type' (SAP Data Warehouse Cloud). It also shows 'Created By' (Ashish Atiwadekar), 'Created On' (Aug 27, 2021 12:56), 'Deployment Status' (Not Deployed), and 'Deployed On' (Not Available). Under 'Storage Assignment', there is a checkbox for 'Enable Space Quota' (checked) and a section for 'In-Memory Acceleration' showing a 50% progress bar.</p>

Explanation	Screenshot
In the Connection area click Add Connection 	
The Create Connection Screen opens. In the Create Connection Screen, under “Categories” select “Cloud” and Select “Non-SAP as Source” and select “Amazon Simple Storage Service(S3)” as connection type	
Provide the following details in the Create Connection Screen Endpoint: Root Path: Access Key: Secret Key: All the details are provided in the Environment details	

Explanation	Screenshot
In the next screen provide, Business Name, Technical Name and Description and click Create Connection	
The new connection will be added to the Connection list. Select the connection and click Validate Connection 	
Check the Connection Status	<div>Connection "Amazon S3 Demo" is valid.</div> <ul style="list-style-type: none"><li>- Data flows are enabled.</li><li>- Remote tables are not supported.</li></ul>