



PARTNER

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

DV140 Exercise03 – Connecting Amazon S3 to SAP Data Warehouse Cloud

This document will guide you step by step on the process of connecting Amazon S3 (archived historic book sales data) with SAP Data Warehouse Cloud.

THE BEST RUN



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.

THE BEST RUN



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 to connect Amazon S3 to SAP Data Warehouse Cloud.

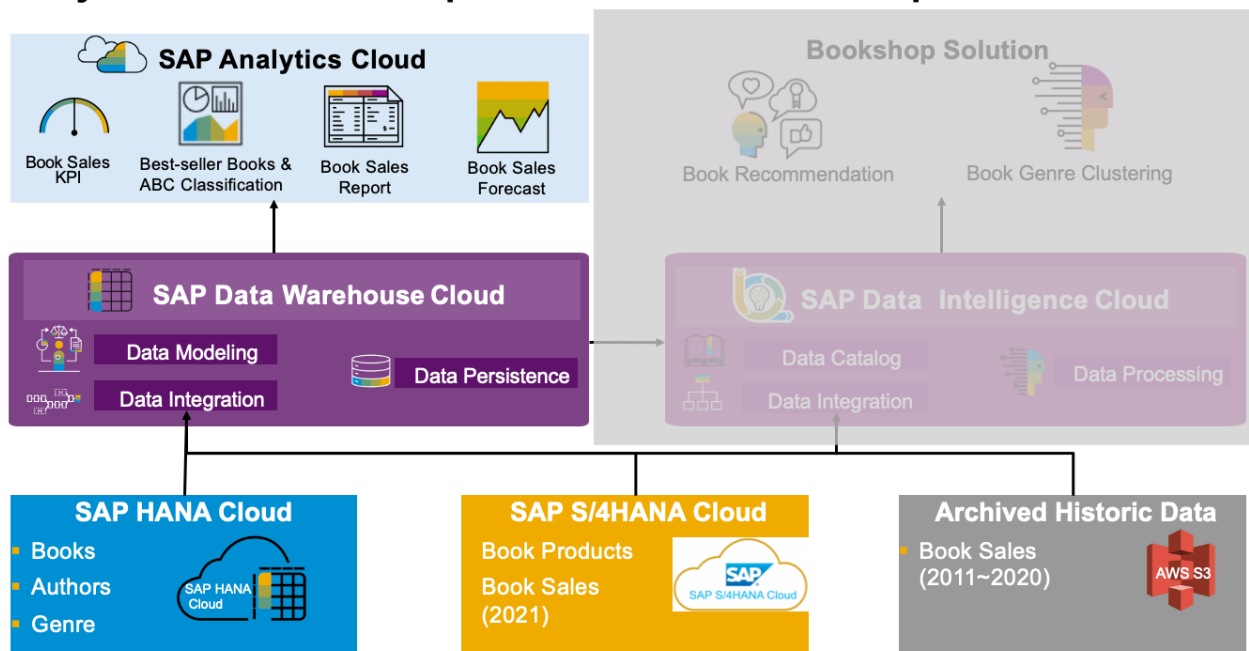
SCENARIO

Per our bookshop storyline is made of 3 data sources:

- The live book sales data (2021~present) is available in SAP S/4HANA Cloud.
- The archived historic book sales data (2011~2020) 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 data set for analysis. In this exercise, we will cover how to connect Amazon S3 system to SAP Data Warehouse Cloud.

Storyline about a bookshop for Data-to-Value workshop



© 2021 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

ENVIRONMENT ACCESS

Before the exercise, please obtain the Tenant details and Login Credentials of SAP Data Warehouse Cloud and Amazon S3 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

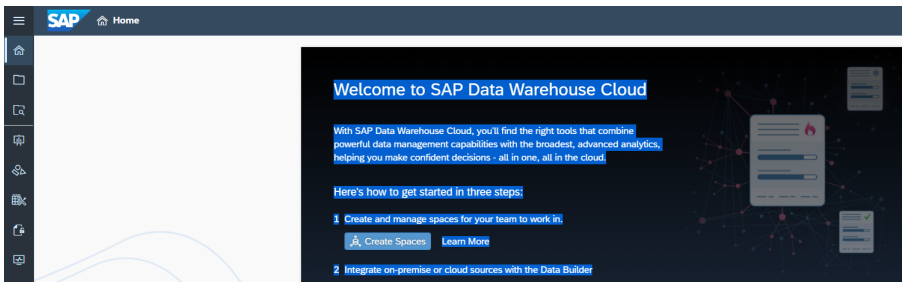
Amazon S3


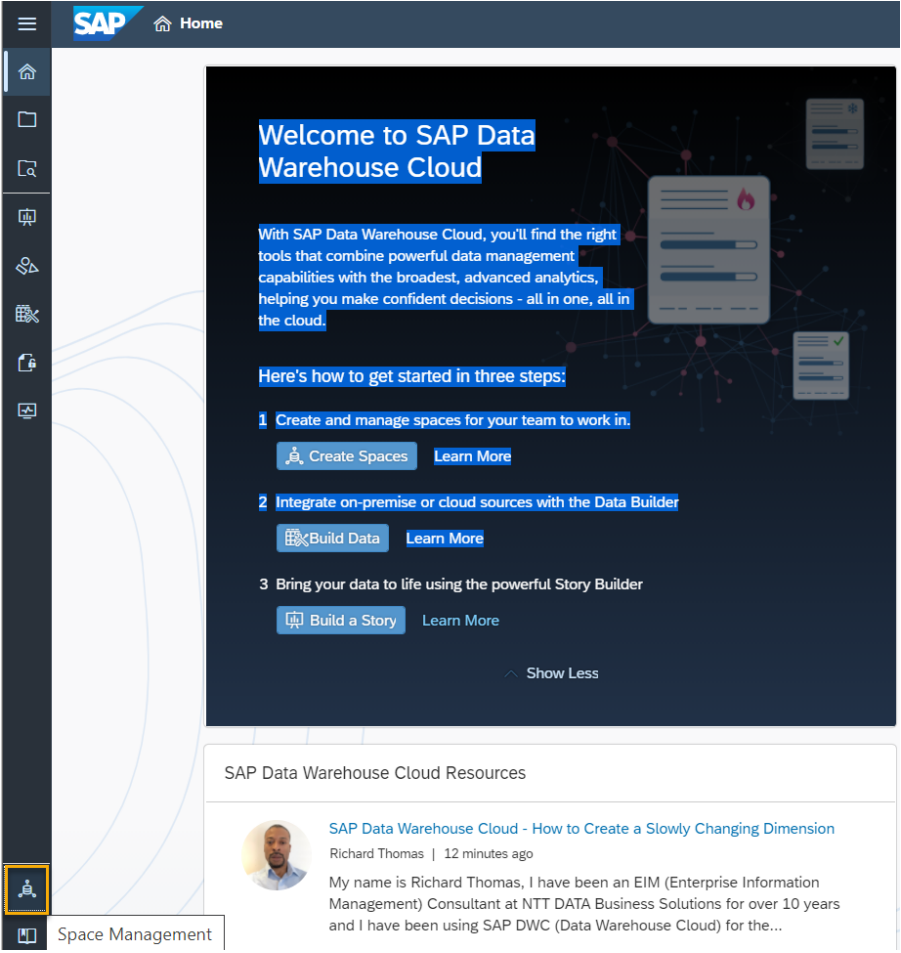
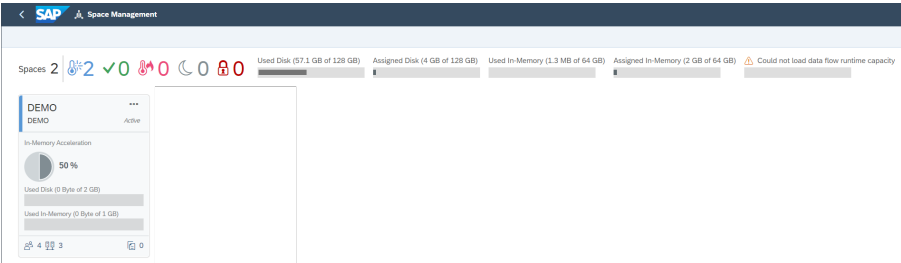
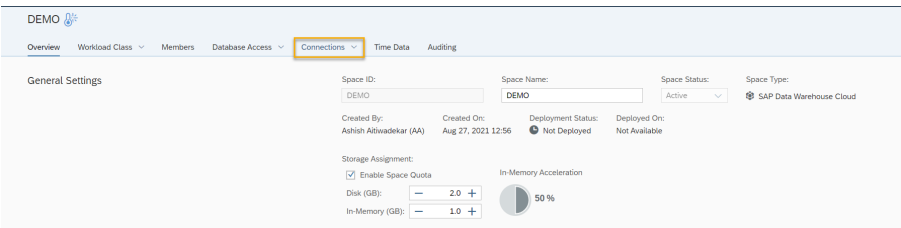

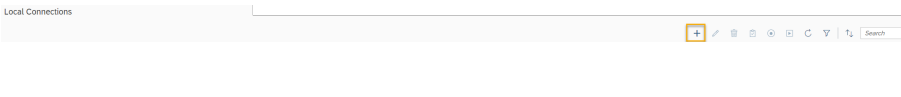
- Endpoint
- Root Path
- Access Key
- Secret Key

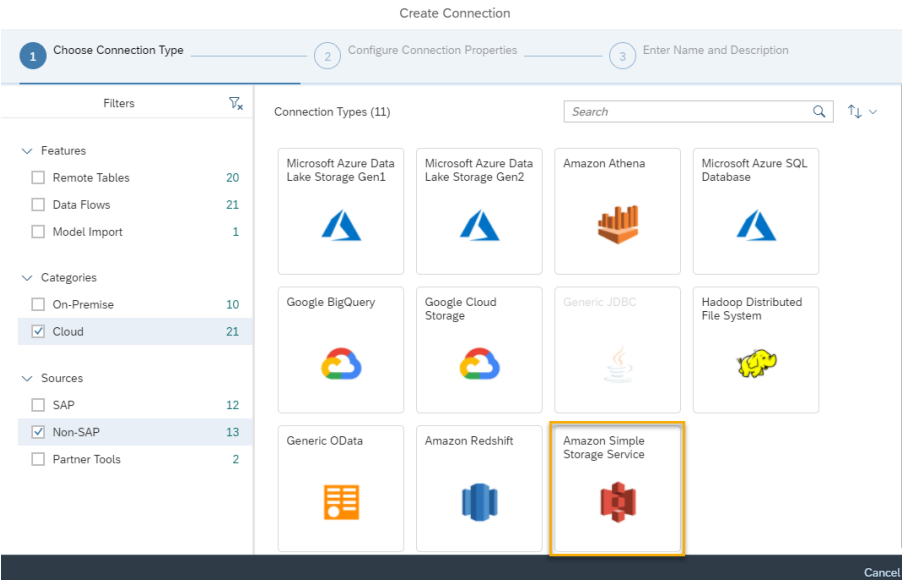
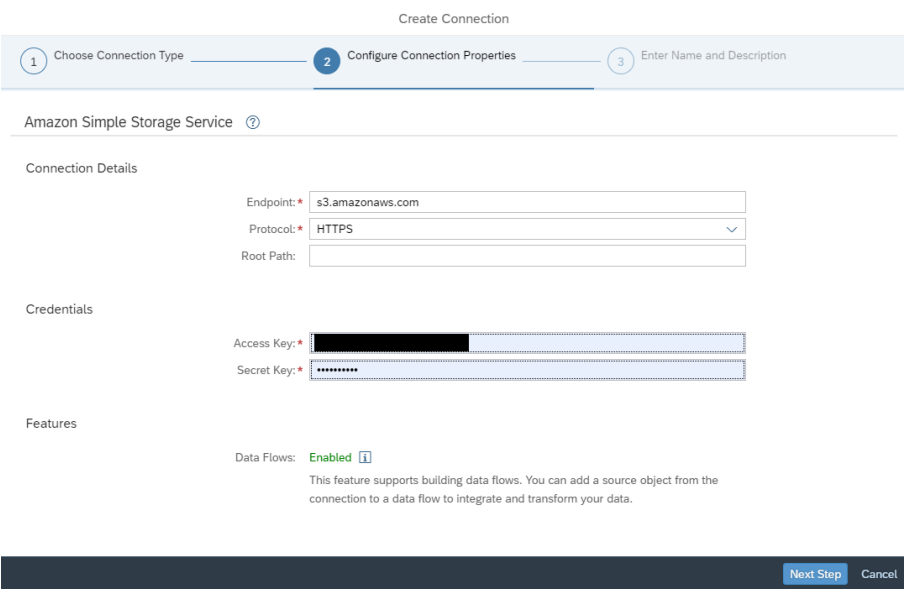
For the Bootcamp participants, please use the SAP Data Warehouse tenant and Amazon S3 provided by SAP, and your assigned user id and password.

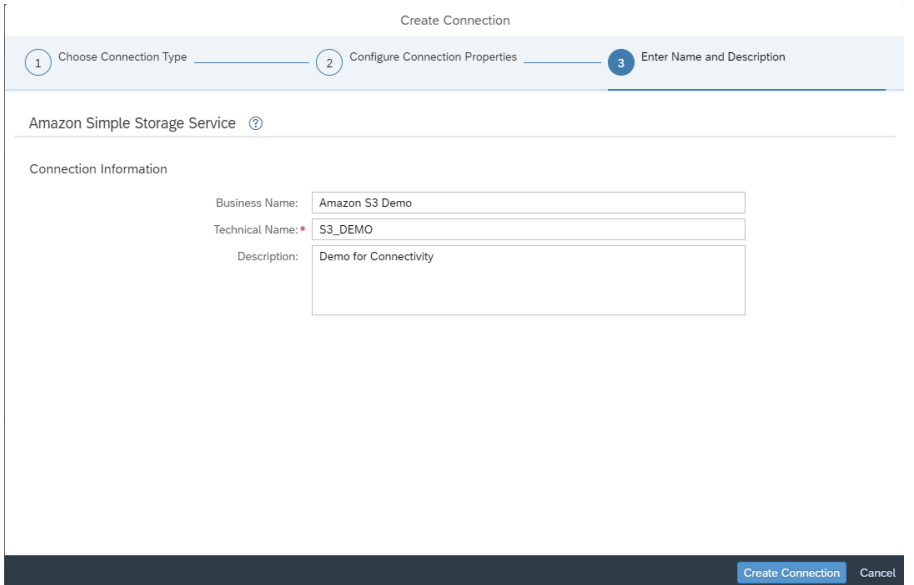

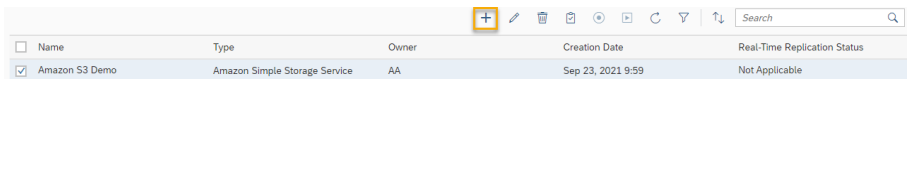
- The SAP Data Warehouse cloud tenant URL is available in the dedicated Microsoft Teams > General (Channel) > System Access (Tab) > SAP Data Warehouse Cloud (Section), which you have been invited.
- Your assigned user id and password for SAP Data Warehouse Cloud are communicated individually via email.
- The connection details of Amazon S3 is available in the dedicated Microsoft Teams > General (Channel) > System Access (Tab) > Amazon S3 (Section), which you have been invited.

EXERCISE STEP DETAILS

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

Explanation	Screenshot
<p>Click on the Space Management </p>	
<p>The Space Management Screen opens. Click on your allocated space.</p> <p>For the bootcamp participants, the space id as your assigned user id.</p>	
<p>Systems opens your Space. In the space click on Connections tab.</p>	
<p>In the Local Connections section click  to add a new connection</p>	

Explanation	Screenshot
<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 “Non-SAP” <p>And select “Amazon Simple Storage Service(S3)” from the filtered list of connection types</p>	
<p>Provide the following details in the Create Connection Screen Endpoint: Root Path: Access Key: Secret Key:</p> <p>All the connection details are provided in the <u>ENVIRONMENT ACCESS</u> section in the beginning of this exercise.</p> <p>Then click Next Step</p>	

Explanation	Screenshot												
<p>In the next screen provide, -Technical Name: S3_<USERID></p> <p>Please assure to follow the naming conversion for the connection id here, replace <USER_ID> with your assigned user id.</p> <p>-Business Name will be auto generated based on technical name</p> <p>-Description: <i>S3 Connection for user <USER_ID></i></p> <p>And click Create Connection.</p>													
<p>The new connection will be added to the Connection list. Select the connection just created for S3 and click Validate Connection </p>	 <table><tr><th><input type="checkbox"/></th><th>Name</th><th>Type</th><th>Owner</th><th>Creation Date</th><th>Real-Time Replication Status</th></tr><tr><td><input checked="" type="checkbox"/></td><td>Amazon S3 Demo</td><td>Amazon Simple Storage Service</td><td>AA</td><td>Sep 23, 2021 9:59</td><td>Not Applicable</td></tr></table>	<input type="checkbox"/>	Name	Type	Owner	Creation Date	Real-Time Replication Status	<input checked="" type="checkbox"/>	Amazon S3 Demo	Amazon Simple Storage Service	AA	Sep 23, 2021 9:59	Not Applicable
<input type="checkbox"/>	Name	Type	Owner	Creation Date	Real-Time Replication Status								
<input checked="" type="checkbox"/>	Amazon S3 Demo	Amazon Simple Storage Service	AA	Sep 23, 2021 9:59	Not Applicable								
<p>Check the Connection Status.</p> <p>As a result, the connection of Amazon S3 is ready in SAP Data Warehouse Cloud.</p>	