



PARTNER

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

DV150 Exercise03 – Connecting Amazon S3 to SAP Data Intelligence Cloud

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

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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 system with SAP Data Intelligence Cloud.

This document is aimed for 'beginner' level.

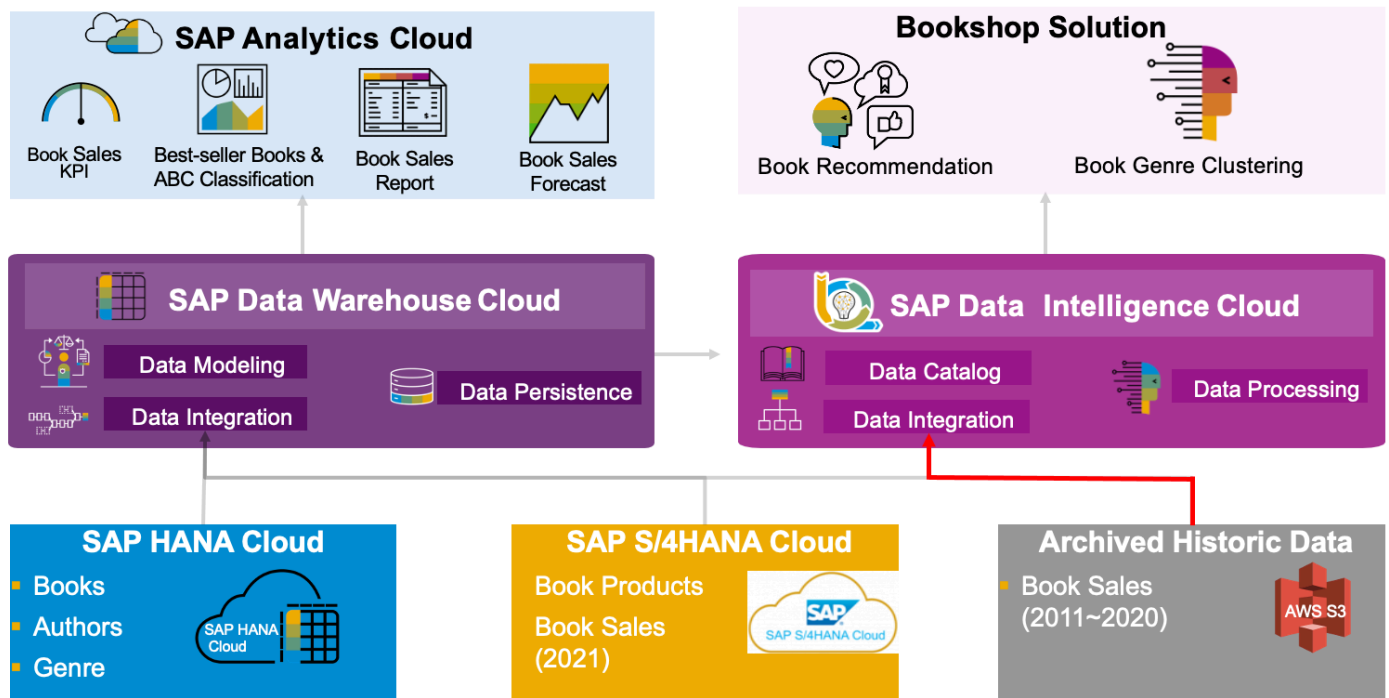
SCENARIO

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 historical book sales data (2011~2019) resides in Amazon S3 bucket.
- The bookshop solution data locates on SAP HANA Cloud.

SAP Data Intelligence cloud will be used to bring the book sales data together from different sources with data pipelines, orchestrate and operationalize the machine learning scenarios. In this exercise, we will cover how to connect Amazon S3 system to SAP Data Intelligence Cloud.

Storyline about a bookshop for Data-to-Value workshop



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ENVIRONMENT ACCESS

Before proceeding with the exercise, please obtain the Tenant details and Login Credentials of SAP Data Intelligence Cloud and Amazon S3 provided to you as instruction below.

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

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

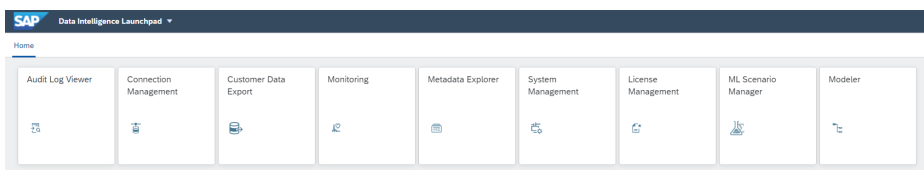
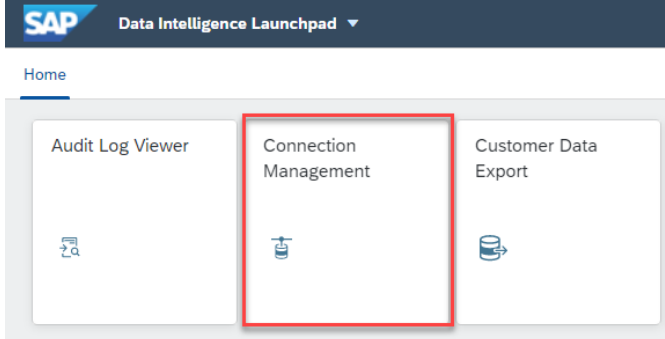
Amazon S3 (connection details to be used to create a connection of Amazon S3 in the [exercise steps](#) below):


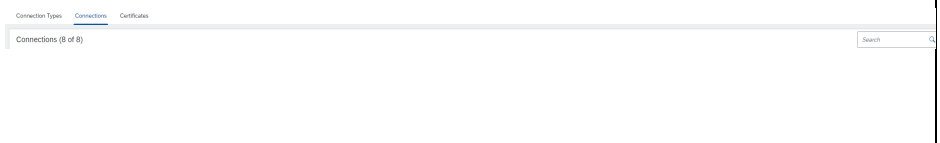
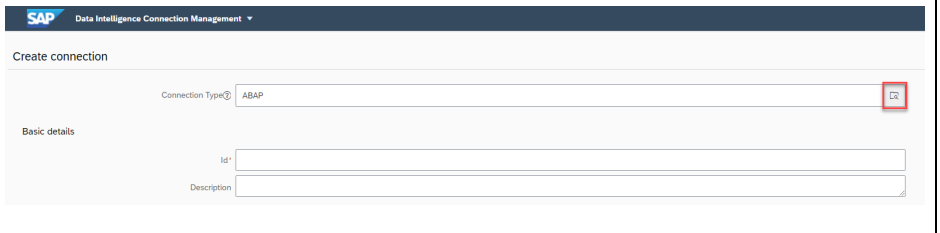
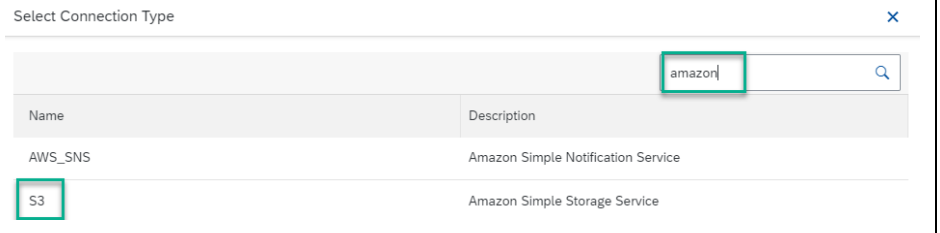
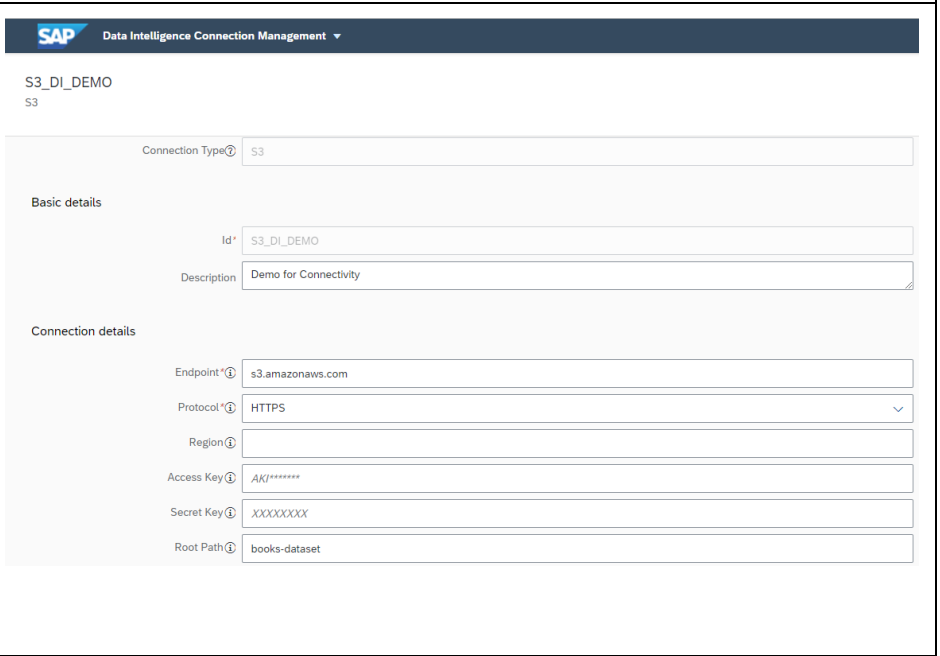
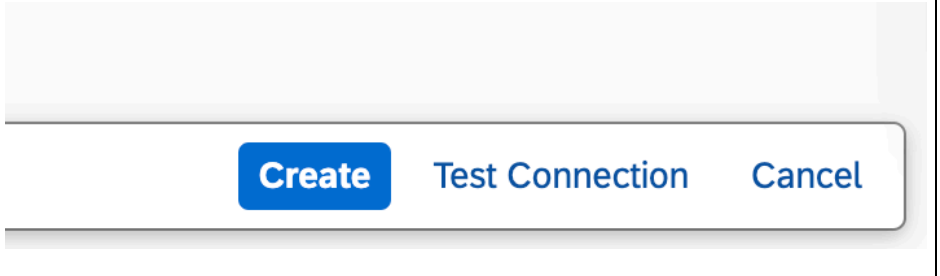

- Endpoint
- Root Path
- Access Key
- Secret Key


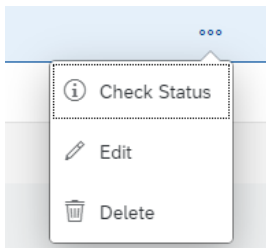
For the Bootcamp participants, please use the SAP Data Intelligence Cloud tenant and Amazon S3 system provided by SAP, as well as your assigned user id and password:

- The SAP Data Intelligence cloud tenant URL is available in the dedicated **Microsoft Teams > General (Channel) > System Access (Tab) > SAP Data Intelligence Cloud (Section)**, which you have been invited.
 - Your assigned user id and password for SAP Data Intelligence 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
Log on SAP Data Intelligence Cloud with the given tenant URL and assigned user credential mentioned above	
Go to the Home screen.	
Click on the Connection Management Tile.	

Explanation	Screenshot
In the next screen on the Connections tab, click  to add a connection.	
Select the Search option.	
Filter by Amazon, and Select S3.	
<p>In the next screen, enter the required details:</p> <p>-ID: S3_<USERID>. Please, assure to follow the naming convention for the connection id here, replace <USER_ID> with your assigned user id.</p> <p>-Endpoint: -Access Key: -Secret Key: -Root Path:</p> <p>All the connection details are provided in the <u>ENVIRONMENT ACCESS</u> section in the beginning of this exercise.</p>	
Click Test Connection and assure the connection is valid.	
Click Create to create the connection.	

Explanation	Screenshot
<p>On the main page you see the connection just created, select it, click , and click Check the Status.</p>	
<p>Check the Status. It should popup an OK message.</p> <p>As a result, the connection of Amazon S3 is ready in SAP Data Intelligence Cloud.</p>	