

PUBLIC

SAP Business Transformation Center

Lean Select Data Transition – Hands-On

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Owner: SAP BTC Team

Hands-On Guide

1. Goto GitHub(<https://github.com>)
2. Search for Organization
SAP-CLM-SL
3. Open the repository “**BTC**”

Alternatively, navigate to URL:
<https://github.com/SAP-CLM-SL/BTC>

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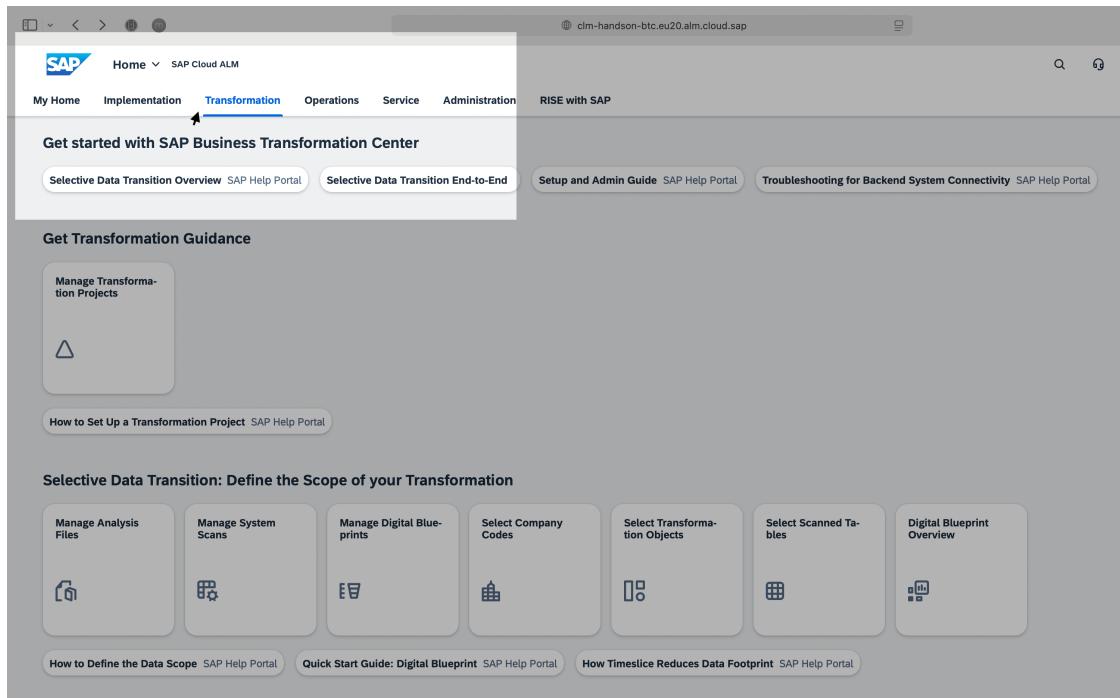
Getting Started

You can logon to SAP Business Transformation Center using the following URL: [SAP Business Transformation Center](#)

For logon user and password, please use the following username and password. Please replace “###” with your user id (displayed at your table):

- **User:** btc-###
- **Password:** <shared at session>

Within the launchpad app overview, select the section “**Transformation**” to navigate to the apps of the SAP Business Transformation Center.



Exercise 1 – Upload SAP Readiness Check file for SAP ERP Usage and Data Profiling (UDP)

- Step 1.1. – Download the SAP Readiness Check UDP file named “**RC_UDP_DMR2_DF1.zip**” that has been shared with you
- Step 1.2. – Upload the downloaded SAP Readiness Check UDP zip file
 - Click on the Fiori app “**Manage Analysis File**” and click the “**Create**” button to upload the zip analysis file from step 1.1.

The screenshot shows the SAP Cloud ALM Transformation interface. At the top, there are navigation links: My Home, Implementation, Transformation (which is highlighted), and Administration. Below the header, a section titled "Selective Data Transition: Define the Scope of Your Transformation" is displayed. This section contains several cards: "Manage Analysis Files" (document icon), "Manage System Scans" (scanner icon), "Manage Digital Blueprints" (grid icon), "Select Company Codes" (building icon), "Select Transformation Objects" (database icon), "Select Scanned Tables" (grid icon), and "Digital Blueprint Overview" (grid icon). Below these cards are three links: "How to Define the Data Scope" (SAP Help Portal), "Quick Start Guide: Digital Blueprint" (SAP Help Portal), and "How Timeslice Reduces Data Footprint" (SAP Help Portal).

- Enter a name for the analysis file with your user ID, add an optional short description in the “**Notes**” field and click on the “**Create**” button.

Q1: Once the file has been successfully uploaded, identify who ´s the user who ran the analysis in the ECC source system?

Exercise 2 – Create a Digital Blueprint

- Step 2.1. – Create your Digital Blueprint
 - Click on the button “Create Digital Blueprint”.

The screenshot shows the SAP Cloud ALM Analysis interface. At the top, there are navigation links: SAP, Analysis (which is highlighted), and SAP Cloud ALM. On the right side, there are various icons for search, filter, refresh, and related apps. In the center, there is a card titled "HandsOnReference" with the sub-section "Analysis". It displays the following details: Analysis Date: Feb 13, 2025, 3:41:03 PM; Changed On: Jul 25, 2025, 10:47:02 AM; Uploading Status: Completed; Changed By: demo.sap.cloud.alm+btc-000@sap.com. Below this, there are tabs: General (selected), Digital Blueprints, and Analysis Results. The General tab shows the following data:

Analysis Type: SAP ERP Usage and Data Profiling	Notes: Regional ERP Analysis file	Installation Number: 0020270862	Analysis End Date: Feb 13, 2025, 3:41:10 PM	Installed Product Version: SAP ERP
Database System Type: HDB	Analysis User: D034260	Unicode: Yes	System Name: DF1	
SAP Kernel Release: 754	Analysis Language: E	Analysis Start Date: Feb 13, 2025, 3:41:03 PM	Client: 300	

Below this, there are sections for "Uploaded File" (Analysis File: RC_UDP_DMR2_DF1.zip, File Size: 509 (KB)) and "Imported" (Company Codes: Transformation Objects:).

- Enter a name for the Digital Blueprint using your user ID
- Add a free text in the description.
- The analysis file uploaded in Step 1.2 should already be selected in the “**Analysis File**” field. Click “**Create**” button to proceed.

Note: Confirm the Digital Blueprint only after scoping activities completed.

- Step 2.2. – Review your Digital Blueprint
 - After creating your Digital Blueprint, initial data is displayed in the Fiori App
 - Quickly explore the four sections within the App

Q2: What is the System ID and the client of the ECC source system?

Exercise 3 – Get an overview about the data profile of your ECC source system.

- Step 3.1. – Launch the Digital Blueprint Overview
 - Choose “Digital Blueprint Overview” from the “Related Apps” menu.

The screenshot shows the SAP Cloud ALM interface for a digital blueprint named "HandsOndemo". The main area displays basic project details: Transformation Project: -, Analysis: HandsOnDemo-btc0, System Scan: -. The status is shown as "In Progress". Below this, there are several cards: General (Created On: Jul 25, 2025, 11:50:23 AM; Created By: demo.sap.cloud.alm+btc-025@sap.com), Transition Readiness, Solution Patterns, Company Codes, and Transformation Objects. On the right, a "Related Apps" dropdown is open, with "Digital Blueprint Overview" highlighted. Other options include Select Company Codes, Select Transformation Objects, Manage System Scans, Select Scanned Tables, and Manage Transformation Models.

- Navigate through all seven cards in the Digital Blueprint Overview and adjust their size and appearance as needed.
- Click the “Open Help” icon in the upper right corner of the screen for application guidance.

The screenshot shows the "Digital Blueprint Overview" screen. It features a single card titled "Digital Blueprint Overview" with a dropdown menu set to "HandsOnReference". There are buttons for "Create New Digital Blueprint" and "Related Apps". A "Adapt Filters (1)" button is located at the bottom right of the card.

- Use the dropdown menus on the tiles for "Company Code Selection" and "Transformation Object Selection" to view data based on available dimensions.

The screenshot shows the "Digital Blueprint Overview" screen with three cards. The first card, "Company Code Selection", shows 23.4 M company codes in scope. The second card, "Transformation Object Selection", shows 60.7 M transformation objects in scope. The third card, "Transformation Objects Summary", shows a pie chart indicating 29% of data is in scope and 71% is out of scope. There are buttons for "Create New Digital Blueprint" and "Related Apps" at the top right, and "Adapt Filters (1)" at the bottom right.

Q3: How many Company Codes do exist in the ECC source system?

Q4: How many transformation objects do exist for application component CO (Controlling)?

Q5: Which Application Component contains the highest data count in the ECC source system?

Exercise 4 – Choose your company codes in scope for the transition to SAP S/4HANA.

- Step 4.1. – Launch the Select Company Codes application

- Click on the header of the card “**Company Code Selection**” to jump into the scoping app for the company codes.
- Alternatively, choose the App “**Select Company Codes**” from the Launchpad overview and select your Digital Blueprint ID.
- Step 4.2 – Set company codes out of scope.
 - Use filters to select only those company codes with last activity in 2020 or later, regardless of open items and review the details
 - Use filters to select only those company codes
 - With last activity before 2020
 - No activity

The screenshot shows the SAP Select Company Codes interface. The search bar contains "Last Activity: To Dec 31, 2020". The results table has two entries:

Company Name and Code	Hint	Scope	Controlling Area	Country/Region Code	Last Activity	Total Data Count	Relevant Data Count	Co...	Fiscal Year Variant	Fiscal Year Start Date
Company 1010, Inc (1010)		In Scope	Controlling Area 1000 (1000)	US	Jul 20, 2016	435	433	K4		Jan 1, 2015
Company 1020, Inc (1020)		In Scope	Controlling Area 1000 (1000)	US	Jul 20, 2016	3,900	3,899	K4		Jan 1, 2015

The screenshot shows the SAP Select Company Codes interface with the search bar set to "Last Activity: <empty>". The results table has four entries under "Controlling Area: Empty Value":

Company Name and Code	Hint	Scope	Controlling Area	Country/Region Code	Last Activity	Total Data Count	Relevant Data Count	Co...	Fiscal Year Variant	Fiscal Year Start Date
Country Template DK (DK01)		In Scope	DK			508	508	K4		Jan 1, 2015
Country Template MY (MY01)		In Scope	MY			661	661	K4		Jan 1, 2015
Country Template PH (PH01)		In Scope	PH			805	805	K4		Jan 1, 2015

- Use the “**Mass Edit**” button to set all the selected Company codes to “**Out of Scope**”. Add a comment indicating these codes are excluded due to inactivity.

The screenshot shows the SAP Select Company Codes interface with the search bar set to "Last Activity: <empty>". A circled "1" points to a checked checkbox next to "Controlling Area: Empty Value". A circled "2" points to the "Mass Edit" button. The results table shows the same four entries as the previous screenshot.

- Step 4.3 – Review company code details
 - Click on the company code “Company 2000, Inc (2000)” to view its detailed information.
 - Explore the company code details.
 - Add a comment in the details section of the company code, then return to the company code overview.

Q6: Which fiscal year variant is maintained for the company code Company 2000, Inc (2000)?

Q7: How many purchase orders have been created in company code Company 2000, Inc (2000) in the year 2020?

Q8: Does the company code Company 2000, Inc (2000) contain open customer items?

Exercise 5 – Choose the fiscal year in scope for the transition to SAP S/4HANA.

- Step 5.1 – Activate the time-slice solution pattern
 - Open the “**Manage Digital Blueprints**” app from the “**Related Apps**” menu and then select your Digital Blueprint ID.
 - Go to “**Solution Patterns**” tab and click on the Time Slice entry

The screenshot shows the SAP Digital Blueprint interface. At the top, there's a header with the SAP logo, 'Digital Blueprint', and 'SAP Cloud ALM'. Below the header, the title 'HandsOnDemo' is displayed under the 'Digital Blueprint' section. On the right side of the header, there are several buttons: 'Edit', 'Delete', 'Confirm Digital Blueprint', 'Copy', 'Extract File', 'Related Apps', and a refresh icon. The main content area has a 'Status' section showing 'In Progress'. Below that, there are tabs: 'General' (which is selected), 'Transition Readiness', 'Solution Patterns' (which is highlighted in blue), 'Company Codes', 'Transformation Objects', and 'Scanned Tables'. Under the 'General' tab, there are four columns of information: 'Created On' (Jul 25, 2025, 12:06:08PM), 'Created By' (demo.sap.cloud.alm+btc-001@sap.com), 'Description' (btc-001), and 'Scenario' (Selective Data Transition SAP ECC to SAP S/4HANA).

- Step 5.2 – Review yearly data distribution
 - Go to Data Distribution section and examine the yearly distribution chart
- Step 5.3 – Select the fiscal year
 - Click the “**Edit**” button and change the status to “**Active**”
 - Set 2020 as the Fiscal year to define the scope of the data for migration, then apply the changes.
 - Save the blueprint

The screenshot shows the SAP Cloud ALM interface for a 'Time Slice' solution pattern. At the top, there's a header with the SAP logo, 'Solution Pattern', and 'SAP Cloud ALM'. Below the header, the URL 'btc-001 / Time Slice' is shown, along with a 'Solution Pattern' badge. The page is last changed on July 28, 2025, at 9:30:12 PM by demo.sap.cloud.alm+btc-000@sap.com. There are tabs for 'Header', 'General', 'Data Distribution', and 'Company Codes'. A message bar at the top says, 'The selected time slice will only be applied to supported transactional data transformation objects.' Under the 'General' tab, there's a status dropdown set to 'Active', a warning message about company codes having the same fiscal year start date, and fields for 'Fiscal Year' (set to 2020) and 'Fiscal Year Start Date' (set to Jan 1, 2020). To the right, there's a 'Transformation Objects Summary' section with a pie chart and links for 'Details', 'View By', and search functions.

Exercise 6 – Review your first scoping decision and its data impact.

- Step 6.1. – Launch the Digital Blueprint Overview
 - Select “**Digital Blueprint Overview**” from the “**Related Apps**” menu.
 - Browse through the cards of the Digital Blueprint Overview to review the results of your scoping decisions.

Q9: How much percent is the overall data footprint reduction resulting from your scoping decisions?

Exercise 7 – Choose your transformation objects in scope for the transition to SAP S/4HANA.

- Step 7.1. – Launch the Select Transformation Objects app
 - Click the header of the “**Transformation Object Selection**” card to access the scoping app for the transformation objects.
 - Alternatively, select the “**Select Transformation Objects**” app from the “**Related Apps**” menu.
 - Explore the app content by changing settings in the transformation object list view (e.g. setting filters or change grouping / sorting)

Q10: Within application component “MM”, which transformation object has the highest total data count and what is the number of records?

- Step 7.2 – View details of a transformation object

- Click on the “**Sales Document – Order**” transformation object to view its details page.

Total Data Count without Company Code Assignment:
0

Company Name and Code	Scope	Controlling Area	Country/Region C...	Last Activity	Total Data Count
Controlling Area: Controlling Area 1000 (1000)					
Company 1000, Inc (1000)	In Scope	Controlling Area 1000 (1000)	US	Jun 7, 2024	483,450
Company 2000, Inc (2000)	In Scope	Controlling Area 1000 (1000)	US	Jun 7, 2024	182,867

- Examine the company codes where the transformation object is used, their scoping status, and the associated data count.
- Compare the total data counts for all company codes marked as out of scope and the figure for “**Total Data Count**” and “**Relevant Data Count**” displayed at the top of the details page for the transformation object.
- Optionally, click “**Go to Technical Details**” in the upper right corner of the detailed page of the selected transformation object to get insights on the table structure of the transformation object.

Total Data Count without Company Code Assignment:
0

Company Name and Code	Scope	Controlling Area	Country/Region C...	Last Activity	Total Data Count
Controlling Area: Controlling Area 1000 (1000)					
Company 1000, Inc (1000)	In Scope	Controlling Area 1000 (1000)	US	Jun 7, 2024	483,450
Company 2000, Inc (2000)	In Scope	Controlling Area 1000 (1000)	US	Jun 7, 2024	182,867

Q11: What is the Total Data Count for transformation object "Sales Document - Order" in company code Company 2000, Inc (2000)?

- Step 7.3 – Mark transformation objects as out of scope.

- Filter the list to show transformation objects with “**Relevant Data Count**” of 0 for the application component “**Investment Management (IM)**”
- Use the “**Mass Edit**” button to set these transformation objects to “**Out of Scope**” and mark them as “**Confirmed**”.
- Add a comment stating that application components will not be used in the future SAP S/4HANA environment.

Exercise 8 – Review your scoping decision.

- Step 8.1: Launch the Digital Blueprint Overview
 - Select “**Digital Blueprint Overview**” from the “**Related Apps**” menu.
 - Browse the cards of the Digital Blueprint Overview and to review the outcomes of your previous scoping decisions.

Q12: How many percent is the overall data footprint reduction resulting from your transformation object scoping decision?

Exercise 9 – Scan the SAP ECC System

- Step 9.1: Create System Scan
 - Select the “**Mange System Scans**” app from the “**Related Apps**” menu.
 - Click “**Create New Scan**” button.
 - Enter a name for the System Scan using your user id.
 - Select the SAP ECC System “**WIREMOCK**” using value help.

Connectivity Status	System Name	Client	System Type	Install
Active	M9R	014	ABAP	00202
Active	M9R	014	ABAP	00202

- Click on the “**Create**” button
- Step 9.2: Start the System Scan

- Click on “**Start Scan**” to initiate the scan

The screenshot shows the SAP Cloud ALM System Scan interface. At the top, there are buttons for Edit, Delete, Start Scan, Cancel Scan, Refresh Scan, and a search bar. Below this, a table displays a single system scan entry:

System Name	Software Component Check	Connectivity Status	Scan Status
M9R	Passed	Active	Created

Below the table, there are tabs for General, Digital Blueprints, Activity Log, and Scanned Tables. The General tab is selected. Under General, there are fields for System Number (850799718), Tenant Type (TEST), Client (014), System Type (ABAP), and Installation Number (0020270862). The Digital Blueprints tab shows a message: "No items available" with a note: "If there are, you'll find them here." There is also a search bar at the top right of the Digital Blueprints section.

- Refresh the browser to get the latest status information.
- When complete, the Scan Status displays “**Successful**.”

The screenshot shows the SAP Cloud ALM System Scan interface after a scan has been completed. The table now shows:

System Name	Software Component Check	Connectivity Status	Scan Status	Completed On
M9R	Passed	Active	Successful	Jul 25, 2025, 12:14:43 PM

The General tab is selected. A message at the bottom left says: "The system scan is completed. Now you can go to the "Manage Digital Blueprints" app to associate it with a digital blueprint, and then go to the "Select Scanned Tables" app to perform the scoping of the scanned tables." Below the table, there are fields for System Number (850799718), Tenant Type (TEST), Client (014), System Type (ABAP), and Installation Number (0020270862).

Q13: How many custom tables are included as part of system scan?

Exercise 10 - Include Scan Results into the Digital Blueprint & Select Scanned Tables

- Step 10.1. Add Scan Results to Digital Blueprint
 - Open the “**Manage Digital Blueprint**” app and select your Digital Blueprint
 - Click “**Edit**”, choose the System Scan that you’ve created in the previous step and click on “**Save**”.
- Step 10.2. – Select Scanned Tables
 - Select the “**Select Scanned Tables**” app from the “**Related Apps**” menu.
 - Tables that include data are automatically defaulted for migration. Tables without any records are defaulted for “**Out of Scope**”.
 - Click on a table that is “**In Scope**” to view additional decision supporting information such as data counts, table category, and development package.
 - Return to the Digital Blueprint Overview.

Exercise 11 – Confirm the Digital Blueprint

- Step 11.1: Manifest your scoping activities within the Digital Blueprint by setting the status to “**Confirmed**”.
 - Select the “**Manage Digital Blueprints**” app from the “**Related Apps**” menu
 - Select your Digital Blueprint name with your user id created in Exercise 2 from the dropdown list to jump into the details view.
 - Hit the “**Confirm Digital Blueprint**” button and press “**Confirm**” in case a warning Pop Up appears indicating an open confirmation status on transformation object level.
 - The status of your Digital Blueprint should now be “**Confirmed**”.

Exercise 12 – Create a Transformation Model from your Digital Blueprint

- Step 12: Create a Transformation Model
 - Click the “**Create Transformation Model**” button.
 - Enter a name for the Transformation Model using your user id.
 - Click on “**Create**” button.
 - Ensure content Status should be “**In Sync**” and Data Dictionary scan is “**Completed**”.

SAP Transformation Model SAP Cloud ALM

HandsOnDemo
Transformation Model

Created On: Jul 28, 2025, 9:41:12 PM
Changed On: Jul 28, 2025, 9:41:12 PM
Created By: demo.sap.cloud.alm+btc-000@sap.com
Changed By: demo.sap.cloud.alm+btc-000@sap.com
Digital Blueprint: HandsOnReference

Data Dictionary Scan
100 % ✓
Content Status
In Sync

General Transformation Objects Transformation Tables Transformation Filters Solution Patterns Transformation Model Versions

Digital Blueprint Details
Analysis Date: Feb 13, 2025, 3:41:03 PM Confirmation Date: Jul 25, 2025, 10:56:42 AM

Content Timestamp
Content Timestamp: Jul 24, 2025, 12:19:18 PM
Detailed Logs: Content Change Log

Q14: What is the write behaviour of FI Document?

Q15: How many transformation objects are related to Sales Order?

Q16: How many transformation objects are filtered by Company Code (OrgSlice)?

Exercise 13 – Create a Transformation Model Version

- Step 13.1: Create a Transformation Model Version
 - Click on the button “**Create Version**”.
 - Enter the name of the Transformation Model Version with your user id and click on “**Create**” button.

Exercise 14 – Create a Cycle and Prepare Systems for Migration

- Step 14.1 – Create a Cycle
 - Click on “**Create Cycle**” button.
 - Enter a name for the cycle using your user id
 - Select “**Test**” as cycle type and set the Retention date as “**December 31, 2025**”
 - Select SAP ECC system – “**WIREMOCK_SOURCE_001**” as source system and SAP S/4HANA “**WIREMOCK_TARGET_001**” as target system
 - Click on “**Create**” button to complete cycle creation
- Step 14.2 – Run Prevalidation
 - Read the Preparation Readiness Checks to be fulfilled before setting up the cycle
 - Click on “**Run Prevalidation**” button to initiate the validation of the source and target system setup asynchronously
 - Status of the Run Prevalidation phase is updated to “**In Progress**”
- Step 14.3 – Check the Preparation Readiness Checks status and Prevalidation logs
 - Click on “**Refresh**” button to get the latest status of the checks
 - Once the prevalidation is completed, the status is updated to “**Done**”.
 - Click on “**Prevalidation Logs**” hyperlink to view the logs from Source and Target Systems.

Q17: Which S/4HANA installation type(s) are supported?

Q18: Which Transformation Object is checked for “Already Existing Documents” check?

- Step 14.4 – Run Preparation
 - Click on “**Run Preparation**” button to generate the necessary artifacts for data migration in the source and target systems.
 - Status of the Run Preparation phase is updated to “**In Progress**”
- Step 14.5 – Monitor the Preparation and Preparation Logs
 - Click on “**Refresh**” button to get the latest status of the preparation
 - Once the Preparation is completed, the status is updated to “**Done**”.
 - Click on “**Preparation Logs**” hyperlink to view the logs from Source and Target Systems.

Exercise 15 – Execute SAP ECC to SAP S/4HANA Data Transformation

- Step 15.1 – Run Health Check
 - Click on “**Health Check**” button to get the latest system health status
 - Click on “**Prevalidation logs**” link to view more information on the health check
- Step 15.2 – Analyze Transformation Objects

- Check “**Transformation Objects Run Statuses**” chart for the execution status of the transformation objects
- Step 15.3 – Run Migration
 - Click on “**Go to Run Cycles**” hyperlink to navigate to Run Cycles application
 - Click on individual transformation objects to view the migration steps
 - Click on “**Run All**” to initiate data transformation
 - Status of the Run Transformation phase is updated to “**In Progress**”
- Step 15.4 – Monitor Transformation and Transformation Logs
 - Click on individual transformation objects to view the execution details of a transformation object and its dependent object (if any)
 - Use filter options to filter “**In Progress**” transformation objects.
 - Navigate to “**Transformation Objects Run Statuses**” chart tab for the execution status of the transformation objects

Q19: How many records are migrated for Material Master transformation object?

Exercise 16 – Postprocess Cycles

- Step 16.1 – Run Postprocessing Cycle
 - In “**Manage Cycles**” application, click on “**Go to Postprocess Cycles**” button to navigate to “**Postprocess Cycles**” App
 - Click on “**Run**” button and choose “**Run without Interruption**” to initiate the execution
 - Status of the “**Postprocess Cycle**” phase is updated to “**In Progress**”
- Step 16.2 – Monitor Postprocessing Executions and Postprocessing Logs
 - Once the Postprocessing is completed, the status is updated to “**Done**”.
 - Click on “**Postprocess Logs**” hyperlink to view the logs from Source and Target Systems

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