

PUBLIC

SAP Build Process Automation

Safe Deactivation Procedure for Central Finance Replication

Configuration & User Guide



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This document contains 3 sections. Each section covers different information about this template content package.

1. **Overview:** In this section, you will get quick overview of the use case, what are high-level components used and how the template works in nutshell. Prerequisite section provides information of different services of SAP BTP that are required to use this template.
2. **Configuration Guide:** It contain sections which will guide you to setup your (a) *SAP BTP Account* with destination, cloud connector, user roles etc, (b) *Integration Content* via SAP Integration Suite, (c) *SAPUI5 application* via SAP Business Application Studio and (c) Import and configure the template *using SAP Build Process Automation* design studio and (d) *SAP Work Zone* to access the MyInbox or Task Center and other applications.
3. **User Guide:** This section provides details about different artefacts that are used in this template like process definition, decision diagram, action project details, forms, email notifications etc. to better understand how different capabilities are used in this template.

Note: Learning content are published only for demo and reference purposes. We do not provide any support to learning / sample content.

Note: This documentation is not a detailed guide to setup SAP BTP services. It assumes that IT admin who is setting the content is skilled with SAP BTP environment. **Configuration section must be followed.**

Note: This template content is to accelerate your solution development. You must modify this template according to your requirements to achieve the desired business goal. To use this template content, you need to have basic knowledge and understanding of SAP Build Process Automation, SAP Integration Suite, and its capabilities.

Overview

This document provides information about setting up the SAP Business Technology Platform account to consume the SAP Build Process Automation **Safe Deactivation for Central Finance Replication**. The main audience of this document are technical IT/system administrators.

Central Finance uses SAP Landscape Transformation Replication Server (SLT) to transfer data between Source System(s) and the Central Finance (S4) system. Deactivating & Reactivating Central Finance Replication is a common activity required during maintenance windows, when applying SAP Note corrections, upgrading Central Finance-delivered Replication Content and error handling/analysis. Unlike typical replication scenarios, e.g., Standard Replication, for which users simply 'deactivate' and 'reactivate' Replication, Central Finance recommends a multi-step procedure, i.e., Safe De/Re-activation procedure described in SAP Note [2154420 - SAP LT Replication Server for SAP Central Finance](#). Following this procedure ensures team does not unintentionally generate "Duplicate document" errors in Central Finance Application Interface Framework (AIF).

Safe Deactivation Procedure

In the steps below consider the SLT behavior of deactivation.

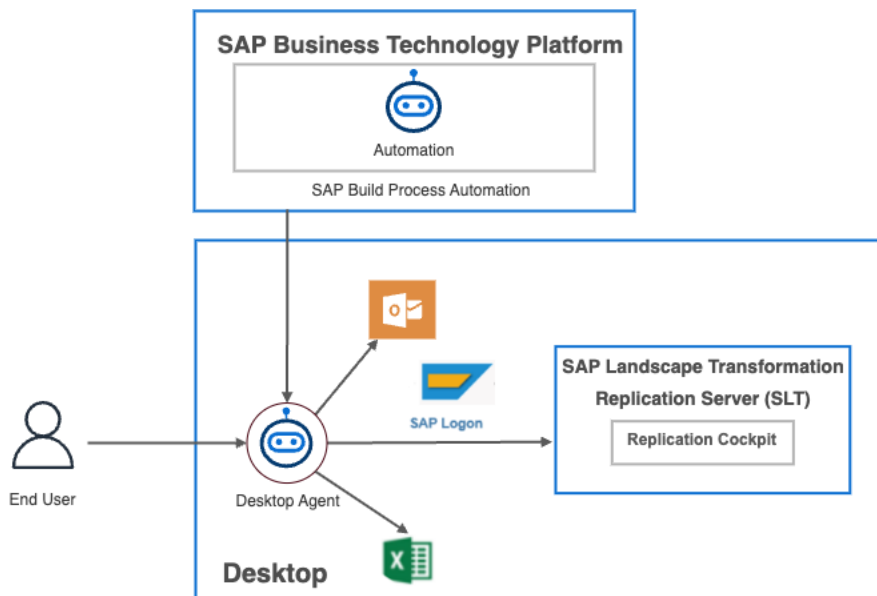
A deactivation lead to a hard cancel of the LOAD Job (red=cancelled in SM37), that can result after activation of the configuration (MT-ID) in a retransfer of packages and potentially producing duplicate entries in the Central Finance AIF.

To ensure a controlled ending of the LOAD Job (data transfer process) it is recommended to suspend the replication process before deactivation of the configuration.

Do following steps:

1. for each table in the configuration choose Action: "Suspend Replication"
2. wait until the "Current Action" change to: "Replication (Suspended)"
(and the LOAD jobs for the configuration are in status finished)
3. deactivate the configuration
4. ... do the tasks that require the de-active state
5. activate the configuration
6. for each table in the configuration choose Action: "Resume Replication"

The **Safe Deactivation Procedure for Central Finance Replication** automates the above procedure carrying out the recommended steps on behalf of the SLT and/or Basis Teams.



The following steps are included as a part of **Safe Deactivation Procedure for Central Finance Replication** template:

- This bot is meant to run in an **Attended mode** only.
- Environment variables, e.g., SLT System ID, required during deployment to ensure successful bot execution.
- The bot performs the following activities for Automation **Suspend Replication**:
 - Log into SAP System via SSO or User ID/Password as defined via environment variables
 - Navigate to the Replication Cockpit (transaction LTRC)
 - If user enters specific Mass Transfer IDs (MTIDs), i.e., Source System connections, the Bot will directly access each MTID from the Replication Cockpit, Suspend Replication (Central Finance scenario) and Deactivate the MTID. *Note: For non-Central Finance MTIDs, the bot simply deactivates the MTID.*
 - If user selects to 'Suspend All Jobs, the Bot will identify all active MTIDs, determine scenario and suspend table replication (Central Finance scenario) and Deactivate the MTID.
 - Log out of SAP System.
 - Generate Execution Log (.XLSX) with information/warnings/errors and store in selected filepath/folder.
 - Send email to specified recipients including above Execution Log. *Note: Email capability only available for MS Outlook users.*
- The bot performs the following activities for Automation **Resume Replication**:

- Log into SAP System via SSO or User ID/Password as defined via environment variables
- Navigate to the Replication Cockpit (transaction LTRC)
 - If user enters specific Mass Transfer IDs (MTIDs), i.e., Source System connections, the Bot will directly access each MTID from the Replication Cockpit, Activate the MTID and Resume Replication for all Tables (Central Finance scenario). *Note: For non-Central Finance MTIDs, the bot simply activates the MTID.*
 - If user selects to Resume Replication from the Suspend Execution Log (.XLSX), the Bot will read list of MTIDs and Tables from said File, activate the MTID and Resume Replication for all Tables (Central Finance scenario). *Note: For non-Central Finance MTIDs, the bot simply activates the MTID.*
- Log out of SAP System.
- Generate Execution Log (.XLSX) with information/warnings/errors and store in selected filepath/folder.
- Send email to specified recipients including above Execution Log. *Note: Email capability only available for MS Outlook users.*

Prerequisites

The following SAP Business Technology Platform services are required to consume the content package

Central Finance SLT Bot:

- SAP Build Process Automation to orchestrate the process.
- SAP Cloud Identity Services - Identity Authentication
- SAP Business Technology Platform, Cloud Foundry runtime.

Other Prerequisites

For this template to run successfully the following other prerequisites are needed:

- SAP Desktop Agent 3.18 or higher installed on Windows machine
- All environment variables need to be set with valid values during deployment. **Note:** *Deploy new version of the package if environment variables require update.*
- Microsoft Excel
- An Outlook mailbox must be configured on the system which will be used by the bot to compose and send email with log file attachment – *Optional / Required only for email Notification capability.*
- SAP SLT System accessible via SAP Logon (Version 770+)
- SLT User with following roles:
 - SAP_IUUC_REPL_ADMIN
 - SAP_MWB_PROJECT_MANAGER

To change the current values of environment variables, you should release and deploy the latest version of the business project.

- Environment variables are modifiable during project Deployment.
- Until the latest version of the project is released & deployed, the environment variables from last deployment remain active / are considered by the Bot.

SAP Logon version 770 and above.

- Enable the bot to recognize the SAP Logon pages:
 - Access the SAP Logon app.
 - Click the icon on the Title bar and select Options.

- Ensure the default page of SAP Logon should be SAP Easy Access.
- From the left navigation, select expand Accessibility & Scripting and select Scripting >> Select the Enable scripting checkbox.
- Enable Scripting on the Client Side – [Link](#)
- Enable Scripting on the Server Side – [Link](#)

Configuration Guide

Safe Deactivation Procedure for Central Finance template requires SAP Build Process Automation subscription or CPEA contract. Follow the [setup and configuration section](#).

Setup SAP Business Technology Platform Cockpit

User Roles Configuration

- To access this project, the business user will need these roles:

Role Name	Purpose
ProcessAutomationDeveloper	To setup this content package, you need to have this role assigned to the respective user.

For more information about SAP Build Process Automation roles, see [Authorizations](#)

Setup SAP Build Process Automation

Import Content

This template can be downloaded from the Store:

1. Navigate to the Store in your SAP Build Process Automation application.
2. Select the Project Type filter as “Process” >> “Business Process”
3. In the Search bar type “Safe Deactivation Procedure for Central Finance Replication”
4. Select the “Create from Template” button to add the template into your lobby.
5. After successfully adding the template, navigate back to the lobby to find the “**Central Finance SLT Bot**” project available for use.

Configure Process

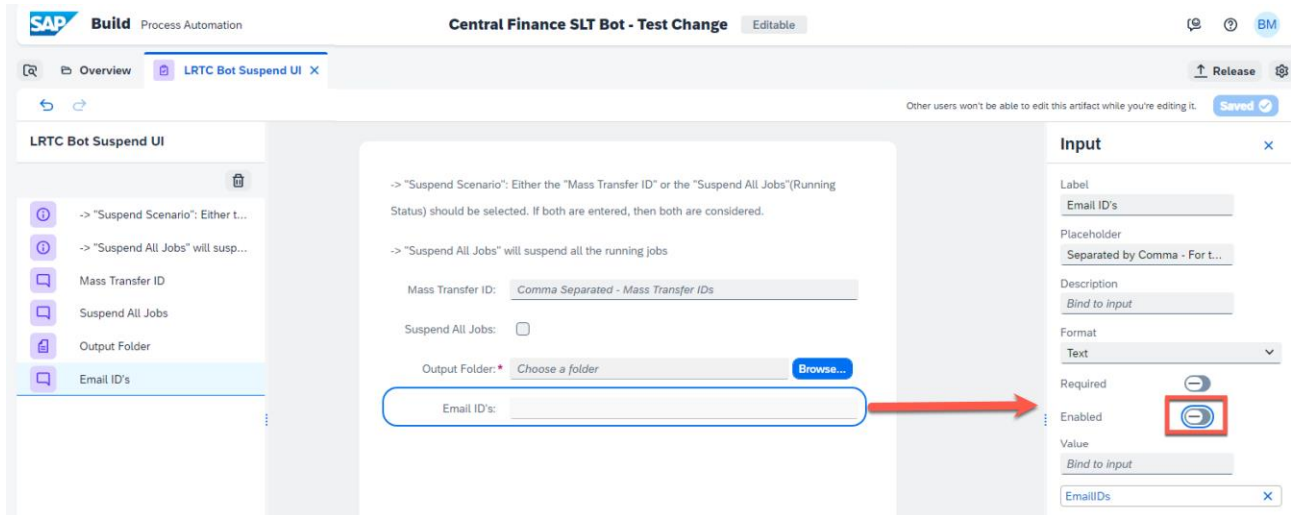
N/A

Configure Forms

Form: LRTC Bot Suspend UI

Email capability is only available for Microsoft Outlook users. If Microsoft Outlook is not installed or configured, BTP developer will disable the below input parameter, EmailIDs.

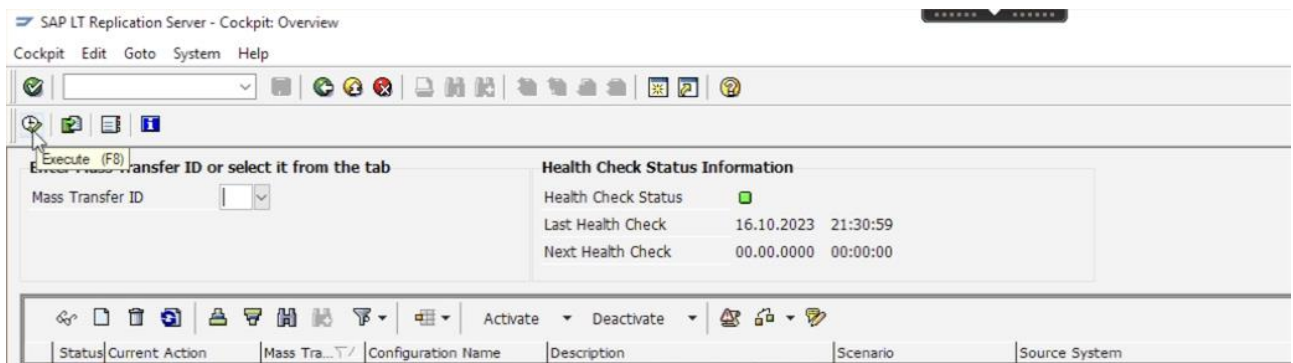
Disable this input parameter via the below attribute.



Configure Automation

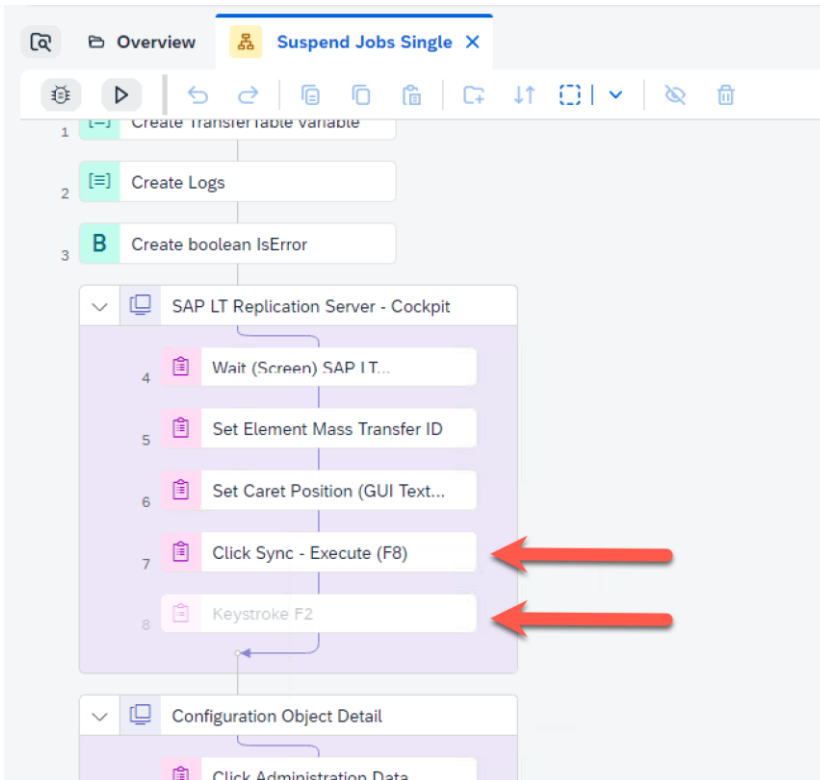
Automations: Suspend Jobs Single & Resume Jobs Single

The short cut key used to access Mass Transfer IDs in the SLT Replication Cockpit may differ between certain SLT Release / SP Level. To confirm, navigate to the Replication Cockpit in the SLT system and hover over the Execute button.

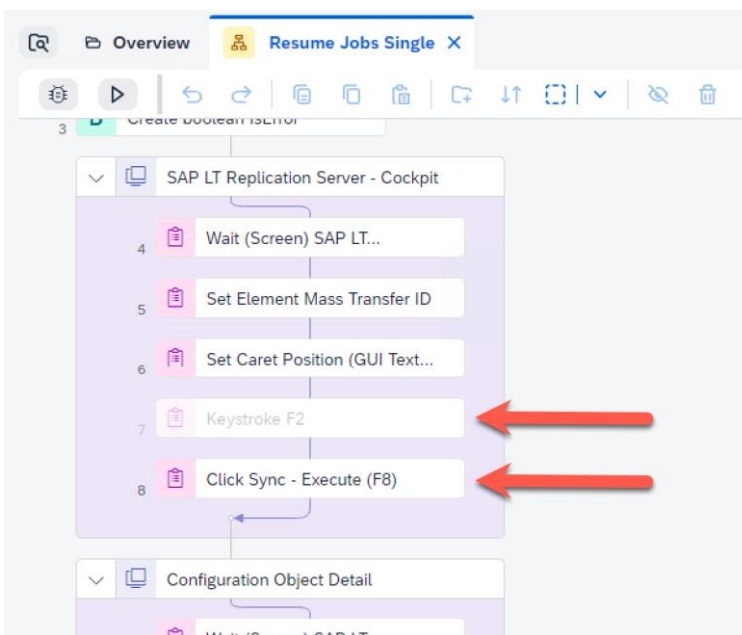


If shortcut is F8, no action is required; however, if the shortcut is F2, user must adjust the following automations by deactivating Keystroke F8 and activating Keystroke F2.

Suspend Jobs Single



Resume Jobs Single



Configure Decision

N/A

Run Automation in Attended mode

An attended trigger creates automation jobs when user executes an automation from the Desktop Agent.

Follow the [setup guide](#) to create an attended trigger.

Support

There is no support available for template content. If you experience general issues with SAP Build Process Automation, raise an incident via SAP Support Portal on **BPI-PA-BPC** component.

This template can be modified using SAP Process Automation. For example: add business rules to determine the approver based on a certain business logic or add an action to post collected information to backend SAP system. Refer [Help Portal](#) for more details.

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