Libelle SystemCopy for SAP Systems on AWS

End-to-End Refresh Automation for SAP Landscapes with Advanced Orchestration Integration for Amazon Web Services (AWS)

Libelle

Libelle LLC is an AWS Partner Network (APN) Technology Partner

Industry Trends & Challenges

SAP system refreshes provide production support systems (e.g. Quality Assurance Server or Development Server) with current production data. This is required to support the SAP application lifecycle of developing, testing, and roll-out of functionality. Such refreshes are often still performed manually or are semi-automated, which can lead to inconsistent results. Manual processes can be tedious, highly repetitive, and expensive from both labor and time perspectives. Furthermore, systems are unavailable during the refresh process, complicating the orchestration and delaying the workflow of business processes that would normally be automated.

The Libelle Solution

Libelle System*Copy* (LSC) automates and accelerates homogeneous system copies for SAP systems. The solution comes with nearly 500 pre-configured tasks covering all steps required for a typical refresh. A powerful, yet simple and easy-to-use orchestration and automation engine drives the process of building, configuring, and cascading templates across your SAP landscape. The execution of refreshes and exception handling is managed through a highly-functional GUI.

Benefits

Libelle System*Copy* thoroughly standardizes system refreshes. Fully automated and orchestrated execution provides highly-predictable results and rapid execution times. Intelligent optimization functions, such as accelerated BDLS conversions, reduce the refresh window from days to hours. With LSC in place, customers can complete more refreshes in less time.

Consistent
Delivers the same high-quality results

Template-Based
Pre-configured workflows simplify execution management

Software-Defined
Programmatically-efficient refresh execution

Accelerated Delivery
Reduce execution time to hours to deliver systems faster

Solution Space

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Solution Overview

Accelerate Refreshes with Libelle System*Copy* (LSC)

Components of LSC include a powerful workflow orchestration framework, an extensive repository of pre-configured tasks for most standard refresh steps required by SAP applications, and a Management Console for execution management and exception handling. Once installed and configured, administrators simply trigger the pre-defined workflow and let LSC execute, monitor, and track dozens of refresh steps on multiple systems in parallel.

Libelle System*Copy* for SAP® Systems on AWS

LSC comes in a special version and delivery model for running on AWS. Libelle's Consulting Team built and maintains pre-configured Amazon Machine Images (AMIs) tailored to supporting refreshes for SAP systems running on AWS. A specific AWS deployment guide sets the standards and best practices for running LSC on AWS. Finally, the refresh workflow has been expanded to integrate AWS-specific functionality, such as Amazon Elastic Block Store (Amazon EBS) snapshots, as part of the database copy which supports most databases including HANA DB, Oracle, DB2, and others.

How It Works

LSC orchestration software is installed on its own Amazon Elastic Compute Cloud (Amazon EC2) instance, or simply on the system that needs to be refreshed. All executions are contained inside the customer virtual private cloud (VPC) with no outside connection required. Additional worker agents are installed as required. After configuring SAP and DB connections, a workflow editor provides a standard refresh template for the specific environment and refresh workflow are adjusted as needed. There are a total of nearly 500 pre-configured refresh tasks which cover most typical refresh scenarios. After the template is activated, refresh execution is can be easily monitored through a Management Console.

Getting Started

Review our Deployment Guide for AWS and request a free trial license. You can setup your evaluation either jointly with a Libelle consultant or walk through the first steps with a self-guided experience.

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