SLT100

Real-time Replication with SAP LT Replication Server

COURSE OUTLINE

Course Version: 18
Course Duration:

SAP Copyrights, Trademarks and Disclaimers

© 2023 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.

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. Please see https://www.sap.com/corporate/en/legal/copyright.html for additional trademark information and notices.

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 may have been machine translated and may contain grammatical errors or inaccuracies.

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 SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE 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, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	*Example text*
Window title	*Example text*

© Copyright. All rights reserved.

Contents

vii	Course Overview	
1	Unit 1:	SAP Landscape Replication Server Overview
1		Lesson: Explaining Positioning and Key Concepts
1		Lesson: Identifying Use Cases
1		Lesson: Understanding SLT as Part of the DMIS Product Family
3	Unit 2:	SAP Landscape Transformation Server Introduction
3		Lesson: Understanding the Architectural Concept
3		Lesson: Explaining the Landscape Strategy and Sizing Aspects
3		Lesson: Outlining the SLT Installation Procedure
5	Unit 3:	Replication to SAP HANA
5		Lesson: Setting Up Data Replication
5		Lesson: Executing Data Replication
5		Lesson: Understanding Advanced Replication Settings
5		Lesson: Outlining Operations and Monitoring
6		Lesson: Describing SLT Handling in Special Cases
7	Unit 4:	Replication to SAP BW
7		Lesson: Providing a Scenario Overview
7		Lesson: Explaining Open Data Provisioning (ODP)
7		Lesson: Describing Table-Based Replication
7		Lesson: Comparing Table-Based Replication and ODP
9	Unit 5:	Replication to SAP Data Services
9		Lesson: Explaining SAP Data Services and Architecture
9		Lesson: Describing the Setup of Replication to SAP Data Services
11	Unit 6:	Replication to ABAP Systems
11		Lesson: Describing the Architecture for Replication into an ABAP System
11		Lesson: Outlining the Setup for Replication into an ABAP System
13	Unit 7:	Replication to Non-SAP Databases
13		Lesson: Describing the Architecture for Replication to Non-SAP Databases
13		Lesson: Understanding the Setup of ABAP to Non-ABAP Replication

© Copyright. All rights reserved.

15	**Unit 8:**	**Replication to Central Finance**
15		Lesson: Describing the Architecture for Replication to Central Finance
15		Lesson: Understanding the Setup and Configuration of Replication to Central Finance
17	**Unit 9:**	**SAP Landscape Transformation Replication Server Summary**
17		Lesson: Providing a Summary of the SAP Landscape Transformation Replication Server
19	**Unit 10:**	**Replication to SAP Data Intelligence**
19		Lesson: Explaining SAP Data Intelligence and Architecture
19		Lesson: Describing the Setup of Replication to SAP Data Intelligence using SLT
19		Lesson: Exploring the Use Cases
19		Lesson: Understanding Replication Flows

© Copyright. All rights reserved.

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Technology Consultant
- System Administrator

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 1 SAP Landscape Replication Server Overview

Lesson 1: Explaining Positioning and Key Concepts

Lesson Objectives

After completing this lesson, you will be able to:

- Explain positioning and key concepts

Lesson 2: Identifying Use Cases

Lesson Objectives

After completing this lesson, you will be able to:

- Identify use cases

Lesson 3: Understanding SLT as Part of the DMIS Product Family

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SLT as part of the DMIS product family

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 2 SAP Landscape Transformation Server Introduction

Lesson 1: Understanding the Architectural Concept

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the architectural concept

Lesson 2: Explaining the Landscape Strategy and Sizing Aspects

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the landscape strategy and sizing aspects

Lesson 3: Outlining the SLT Installation Procedure

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the SLT installation procedure

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 3 Replication to SAP HANA

Lesson 1: Setting Up Data Replication

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how to set up data replication

Lesson 2: Executing Data Replication

Lesson Objectives

After completing this lesson, you will be able to:

- Understand initial load of data replication
- Explain replication load of data replication
- Describe how to change structures to source tables during replication
- Understand how to transfer data in a robust way

Lesson 3: Understanding Advanced Replication Settings

Lesson Objectives

After completing this lesson, you will be able to:

- Understand client specific and cross client replication
- Do table settings
- Understand data type mapping from source system to HANA system
- Understand rule assignment
- Describe filtering
- Understand performance optimization
- Describe the function of templates

Lesson 4: Outlining Operations and Monitoring

Lesson Objectives

After completing this lesson, you will be able to:

© Copyright. All rights reserved.

- Understand monitoring in SLT
- Understand monitoring in SAP Solution Manager
- Do troubleshooting

Lesson 5: Describing SLT Handling in Special Cases

Lesson Objectives

After completing this lesson, you will be able to:

- Understand replication logging
- Describe archiving
- Understand replication of index-like tables
- Understand replication with SAP Solution Manager's CDC tool
- Describe options for recording changes
- Describe starting recording and replication

© Copyright. All rights reserved.

UNIT 4 Replication to SAP BW

Lesson 1: Providing a Scenario Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Provide a scenario overview

Lesson 2: Explaining Open Data Provisioning (ODP)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Open Data Provisioning (ODP)

Lesson 3: Describing Table-Based Replication

Lesson Objectives

After completing this lesson, you will be able to:

- Describe table-based replication

Lesson 4: Comparing Table-Based Replication and ODP

Lesson Objectives

After completing this lesson, you will be able to:

- Compare table-based replication and ODP

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 5 Replication to SAP Data Services

Lesson 1: Explaining SAP Data Services and Architecture

Lesson Objectives

After completing this lesson, you will be able to:

- Describe data replication to SAP Data Services

Lesson 2: Describing the Setup of Replication to SAP Data Services

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the setup of replication to SAP Data Services

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 6 Replication to ABAP Systems

Lesson 1: Describing the Architecture for Replication into an ABAP System

Lesson Objectives

After completing this lesson, you will be able to:

- Describe replication to ABAP-based SAP systems

Lesson 2: Outlining the Setup for Replication into an ABAP System

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the setup of ABAP-to-ABAP replication

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 7

Replication to Non-SAP Databases

Lesson 1: Describing the Architecture for Replication to Non-SAP Databases

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the replication of data to non-SAP databases

Lesson 2: Understanding the Setup of ABAP to Non-ABAP Replication

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the setup of ABAP to non-ABAP replication

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 8 Replication to Central Finance

Lesson 1: Describing the Architecture for Replication to Central Finance

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the replication of data to Central Finance

Lesson 2: Understanding the Setup and Configuration of Replication to Central Finance

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the setup of replication to Central Finance

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 9

SAP Landscape Transformation Replication Server Summary

Lesson 1: Providing a Summary of the SAP Landscape Transformation Replication Server

Lesson Objectives

After completing this lesson, you will be able to:

- Summarize the SAP Landscape Transformation Replication Server

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 10

Replication to SAP Data Intelligence

Lesson 1: Explaining SAP Data Intelligence and Architecture

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP Data Services Feature and Architecture

Lesson 2: Describing the Setup of Replication to SAP Data Intelligence using SLT

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the setup of replication to SAP Data Intelligence using SLT

Lesson 3: Exploring the Use Cases

Lesson Objectives

After completing this lesson, you will be able to:

- Explore use cases of replication to SAP Data Intelligence using SLT

Lesson 4: Understanding Replication Flows

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the Data Replication Enhancements via Replication Flows

© Copyright. All rights reserved.