

Real-time Replication with SAP Landscape Transformation Replication Server

Course Duration: 24 Hours

Course Code: SLT-RTR

1. Course Overview

- This course introduces participants to **SAP Landscape Transformation (SLT) Replication Server** and its role in **real-time data replication** across SAP and non-SAP systems. Learners will understand how to **replicate data efficiently** for analytics, reporting, and integration with SAP HANA and other target systems. Hands-on exercises cover **system configuration, monitoring, and troubleshooting** to ensure smooth data replication in real-time environments.

2. What You'll Learn?

- Configure and manage **SLT Replication Server**.
- Perform **real-time data replication** between SAP source systems and target databases.
- Monitor replication processes and resolve issues effectively.
- Understand **data transformation, filtering, and mapping** during replication.
- Ensure **high availability, performance optimization, and secure data transfer**.

3. Target Audience

- SAP Basis and technical administrators.
- Data engineers and SAP HANA consultants.
- IT professionals responsible for **data integration and replication**.

4. Pre-Requisites

- Basic knowledge of **SAP systems and databases**.
- Familiarity with **SAP HANA** and SAP NetWeaver landscapes.
- Understanding of **ETL or data replication concepts** is helpful.

5. Course Content (Modules)

- **Module 01 – Introduction to SLT Replication Server**
- Overview of SLT architecture and components
- Supported source and target systems
- **Module 02 – Configuring SLT for Real-Time Replication**
- Setting up the replication server
- Creating and configuring data replication scenarios
- **Module 03 – Data Transformation and Filtering**
- Mapping source and target fields
- Applying transformations and filters during replication
- **Module 04 – Monitoring and Troubleshooting Replication**
- Using SLT monitoring tools
- Detecting and resolving replication errors

- **Module 05 – Performance Optimization and Best Practices**
- Optimizing replication performance
- Ensuring high availability and data consistency

