



GLOSSARY OF SAP S/4HANA CONVERSION AND SYSTEM UPGRADE ADM328

**A Quick Reference Guide to
SAP Terminologies**

Concept/Term	Definition
SAP S/4HANA	The next-generation ERP suite from SAP built on the HANA database. Offers real-time analytics, simplified data models, and an intuitive user experience.
System Conversion	The process of converting an existing SAP ERP system to SAP S/4HANA. Also known as a brownfield approach.
Greenfield Implementation	A fresh installation of SAP S/4HANA without carrying forward legacy customizations or data. Used for redesigning processes.
Brownfield Approach	Migrates an existing SAP ERP system to S/4HANA. Retains existing configuration, custom code, and historical data.
SUM (Software Update Manager)	A key SAP tool used for performing system upgrades, conversions, and applying Support Packages.

Concept/Term	Definition
DMO (Database Migration Option)	A feature within SUM that combines database migration and system conversion in one step. Useful when moving to HANA.
Maintenance Planner	A cloud-based tool to plan and validate system conversions. Generates the stack XML file for SUM execution.
Stack XML	A configuration file generated by Maintenance Planner. Guides SUM on what to install or upgrade.
Simplification Item List	A list of changes and impacts that need to be addressed before S/4HANA conversion. Identifies obsolete or changed transactions and objects.
Readiness Check	A preconversion tool that analyzes system readiness. Highlights issues with custom code, add-ons, and simplifications.

Concept/Term	Definition
Custom Code Migration	The process of identifying and adapting existing ABAP custom code to be compatible with S/4HANA.
Transaction SE93	Used to create and manage transaction codes. Helpful in adjusting transactions impacted by simplification.
HANA Database	An in-memory, column-oriented database. Required for SAP S/4HANA systems.
Prechecks	Tools or reports that verify if a system meets the minimum technical and functional prerequisites for conversion.
Uptime Phase	Part of the SUM procedure where users can still use the system. Includes preparation and configuration tasks.

Concept/Term	Definition
Downtime Phase	The phase during which the system is taken offline. Includes data conversion and technical upgrade steps.
SPDD (Modification Adjustment for Dictionary)	Used during upgrade to adjust changes made to SAP standard data dictionary objects. Done in the uptime phase.
SPAU (Modification Adjustment for Repository)	Used to adjust modifications to SAP standard programs and reports during upgrade. Occurs in the downtime phase.
CVI (Customer Vendor Integration)	Merges customer and vendor master data into the Business Partner model. Mandatory for S/4HANA.
Business Partner (BP)	Unified master data object in S/4HANA for customers, vendors, and contacts. Replaces traditional master records.

Concept/Term	Definition
SUM Benchmark Mode	A mode in SUM to simulate conversion steps. Helps test upgrade performance and duration without executing changes.
Add-On Compatibility Check	Verifies whether installed add-ons are compatible with S/4HANA. Incompatible add-ons must be removed or updated.
SLT (SAP Landscape Transformation)	A replication tool for real-time data transfers. Sometimes used in parallel system upgrades or migrations.
SCC1	A transaction used to copy client-specific data between clients. Supports testing and data transport during conversion.
Client Copy	The process of duplicating client data within or across systems. Required for sandbox or testing phases.

Concept/Term	Definition
Downtime Optimization	Techniques used to reduce system downtime during conversion. Includes uptime migration and parallel execution.
Near-Zero Downtime	A SAP-supported approach to minimize system unavailability. Used in critical business operations.
SUM with ZDO (Zero Downtime Option)	Advanced SUM mode that allows conversion with almost no downtime. Requires additional licensing and setup.
Transports	Packages containing configuration and development changes. Managed carefully during system upgrade to avoid conflicts.
TMS (Transport Management System)	Manages transport routes and directories. Ensures proper flow of transport requests across systems.

Concept/Term	Definition
Sandbox System	A copy of production used for testing and experimentation. Often the first system converted to S/4HANA.
Development System	Used to build and test changes before moving to QA or Production. Needs adjustment before conversion.
Quality System	Tests converted configurations and customizations. Ensures smooth transition before converting production.
Production System	The live system used by end-users. Typically the last system to be converted to minimize business impact.
SUM Logs	Files generated during SUM runs. Help diagnose errors, track progress, and validate steps.

Concept/Term	Definition
Upgrade Downtime Estimator	SAP tool that helps estimate downtime for upgrade or conversion based on system data and SUM settings.
Finance Data Migration	Specific steps and tools for converting finance-related data structures. Includes New GL and Universal Journal adjustments.
Universal Journal (ACDOCA)	Combines multiple finance tables into one. Central to the simplified data model in S/4HANA.
Simplification DB	Central database of simplification items maintained by SAP. Used by Readiness Check and SUM for validation.
Compatibility Scope	Temporary support for legacy transactions or processes. Must be phased out in future releases.

Concept/Term	Definition
Conversion Guide	Official SAP document outlining steps, tools, and prerequisites for S/4HANA conversion.
HDBLCM (HANA Database Lifecycle Manager)	Tool for managing HANA components like updates, installations, and configuration.
SLD (System Landscape Directory)	A central repository that tracks system components. Supports SUM and Solution Manager integration.
Solution Manager	SAP's monitoring and lifecycle management tool. Integrates with SUM and Readiness Check.
SUM Extraction Directory	The directory where SUM unpacks installation files. Contains configuration and logs.

Concept/Term	Definition
Kernel Upgrade	Updating the SAP kernel as part of system conversion. Required for compatibility with S/4HANA.
Fallback Strategy	Plan to restore the system if the upgrade fails. Typically involves system snapshot and backup.
Downtime-Optimized DMO	An optimized migration technique with reduced downtime. Requires phased execution and special configuration.
Migration Monitor	Tool used during DMO to track data load and replication. Assists in troubleshooting migration performance.
TDMS (Test Data Migration Server)	Helps extract and transfer selective data for testing. Used in conversion dry runs or system copies.