



GLOSSARY OF SAP BASIS

**A Quick Reference Guide to
SAP Terminologies**

Concept/Term	Definition
SAP BASIS	The technical foundation for SAP systems including system administration. Manages installs, upgrades, monitoring, and configurations.
Client	Logical unit in an SAP system used to separate data. Each client has its own user and transactional data.
Instance	A running SAP application server with its own resources. Identified by instance number and hostname.
SID (System ID)	Unique 3-character code that identifies an SAP system. Used to distinguish systems like DEV, QAS, PRD.
Kernel	Core executable programs and files that run the SAP system. Kernel upgrades bring performance or security improvements.

Concept/Term	Definition
Work Process	Component that handles tasks like dialog, update, background, and spool. Each type runs specific SAP functions.
Dispatcher	Distributes user requests to available work processes. Manages load balancing across active processes.
Dialog Work Process	Handles user interaction and short tasks. Each login session requires at least one dialog process.
Background Work Process	Executes scheduled jobs or long-running tasks. Doesn't require user interaction.
Update Work Process	Processes updates to the database asynchronously. Divided into V1 and V2 updates.

Concept/Term	Definition
Enqueue Work Process	Manages logical locks in SAP for data consistency. Uses enqueue table in shared memory.
Spool Work Process	Manages print requests and output formatting. Sends jobs to printers via output devices.
Message Server	Routes communication between application servers. Supports logon load balancing and system messaging.
Gateway	Enables RFC communication between SAP and external systems. Handles synchronous and asynchronous calls.
TMS (Transport Mgmt System)	Manages transport of configurations and developments. Moves objects between DEV, QAS, and PRD systems.

Concept/Term	Definition
STMS	Transaction used to configure and control the TMS. Allows import/export of transport requests.
Transport Request	Package of changes or customizations for moving across systems. Contains configuration, coding, or data dictionary objects.
RFC (Remote Function Call)	Communication method to connect SAP systems or external apps. Can be synchronous or asynchronous.
Logical System	Represents an SAP system in a distributed environment. Required for ALE, IDoc, and data distribution.
ALE (Application Link Enabling)	Framework to transfer data between SAP systems. Often uses IDocs for asynchronous communication.

Concept/Term	Definition
IDoc	Intermediate Document used for electronic data exchange. Standard format for sending data between systems.
SAP NetWeaver	Technology platform for running SAP applications. Includes ABAP stack, Java stack, and integration capabilities.
SAP Router	Security component that controls network access to SAP systems. Used to establish secure support connections.
SAP GUI	Graphical User Interface for accessing SAP systems. Available for Windows, HTML, and Java environments.
Solution Manager	Centralized platform for system monitoring, maintenance, and project management. Essential for ALM processes.

Concept/Term	Definition
CCMS	Computing Center Management System for monitoring SAP system health. Includes alerts, logs, and performance data.
SM37	Transaction to monitor and manage background jobs. Used to schedule, check status, and troubleshoot job failures.
SM12	Displays and manages SAP locks set by users. Allows administrators to delete stuck locks manually.
SM21	System log viewer that records critical system messages. Helps identify login failures, restarts, or dumps.
ST22	Displays short dumps caused by program errors. Useful for debugging ABAP issues and exceptions.

Concept/Term	Definition
SU01	Used to create and maintain SAP user accounts. Includes roles, profiles, and user defaults.
PFCG	Role maintenance tool to assign authorizations. Manages menus, authorizations, and user-role assignments.
SNOTE	Tool to implement SAP Notes (bug fixes and updates). Automates downloading and applying corrections.
OSS	SAP Online Service System for reporting issues and downloading notes. Connects customers to SAP support.
SAP EarlyWatch Alert	Weekly health check report provided by SAP. Offers performance tuning, system issues, and recommendations.

Concept/Term	Definition
Client Copy	Copies all or selected data between clients. Supports local and remote copying scenarios.
Client Export/Import	Moves client data across systems using transport. Ideal for large client transfers.
Client Refresh	Deletes and replaces client data with a copy from another client. Commonly done between QAS and DEV.
System Refresh	Replaces an entire system with a copy of another. Often done from PRD to QAS for realistic testing.
Kernel Patch	Update applied to SAP kernel to fix bugs or enhance performance. Requires downtime and manual steps.

Concept/Term	Definition
SAP License	Legal authorization to run SAP systems. Managed using transaction SLICENSE or via Solution Manager.
System Monitoring	Observing SAP components to ensure availability and performance. Includes CPU, memory, DB, and response time checks.
EWA Report	EarlyWatch Alert Report with system analysis and SAP recommendations. Generated automatically in Solution Manager.
DBACOCKPIT	Central interface for monitoring and managing databases. Provides statistics, backups, and performance details.
HANA Studio	Eclipse-based tool for managing HANA databases. Used for modeling, administration, and security.

Concept/Term	Definition
SAP HANA Cockpit	Web-based tool for HANA DB monitoring and user management. Preferred in newer versions over Studio.
SWPM	Software Provisioning Manager used for installations and system copies. Handles migrations, exports, and refreshes.
SUM	Software Update Manager used to apply upgrades or Support Packages. Critical for system maintenance.
SPAM	SAP Patch Manager to apply Support Packages in ABAP systems. Controlled via package-level steps.
SAINT	Tool for Add-On Installation using SAP packages. Used to apply or upgrade specific SAP add-ons.