GLOSSARY OF SAP
BASIS HANA

A Quick Reference Guide to SAP Terminologies

Concept/Term	Definition
SAP Basis	The set of core services and tools needed to run and support SAP applications, including system administration and configuration.
SAP HANA	An in-memory database platform designed for real-time data processing and analytics, providing faster data retrieval and storage.
Database Instance	A set of processes and memory areas that manage and provide access to the HANA database, handling data operations.
HANA Studio	A development environment for managing, configuring, and modeling SAP HANA databases, used by database administrators and developers.
System Landscape	The arrangement of SAP systems across development, quality, and production stages, used to manage system integration and data flow.

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Concept/Term	Definition
Client	A separate logical unit within an SAP system that stores data and configurations specific to business requirements.
SAP HANA Database	The core database in SAP HANA, which stores and processes data in-memory for high-speed performance and real-time analytics.
HANA Cockpit	A web-based tool for administering, monitoring, and troubleshooting SAP HANA systems, providing a central interface for system management.
Backup and Recovery	The process of backing up data to protect against data loss and ensuring quick recovery of the database in case of failure.
Data Provisioning	The method of moving data into SAP HANA from various sources, including databases, files, and streaming data for analysis and processing.

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Concept/Term	Definition
SAP HANA System Replication	A feature that replicates data from a primary HANA system to a secondary one, ensuring high availability and disaster recovery.
Role Management	The process of defining user roles and assigning permissions to control access to SAP HANA and ensure system security.
Data Modeling	The process of defining data structures and creating views in SAP HANA to enable data analysis, reporting, and visualization.
Columnar Store	A method of organizing data in SAP HANA where data is stored in columns instead of rows, optimized for faster query performance in analytics.
Row Store	A data storage method in SAP HANA where data is stored in rows, typically used for transactional data requiring fast write access.

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Concept/Term	Definition
SQLScript	A procedural extension to SQL used in SAP HANA for creating complex logic, stored procedures, and data transformations.
Data Aging	A strategy for managing the lifecycle of data, where older data is moved to lower-cost storage to maintain performance for active data.
Smart Data Access (SDA)	A feature in SAP HANA that allows real-time access to external data without physically transferring it into HANA, enabling cross-database queries.
HANA XS Engine	A lightweight application server within SAP HANA that allows for the development and deployment of web applications directly on the HANA platform.
HANA Backup	A process that creates backups of the HANA system to protect data integrity and ensure quick recovery in case of a system failure.

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Concept/Term	Definition
HANA High Availability	A configuration to ensure that SAP HANA remains operational by using redundant systems that can take over in case of failure.
HANA Performance Tuning	The practice of adjusting HANA system parameters, such as memory, CPU, and storage, to optimize overall system performance.
HANA Indexing	Creating and maintaining indexes on HANA tables to speed up data retrieval and improve the performance of complex queries.
HANA Data Compression	A technique in SAP HANA that reduces the storage space required for data by compressing it, while maintaining fast access times.
HANA System Database	A special database within SAP HANA that stores system-related data, including metadata, configurations, and user information.

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SAP Basis HANA
Key Concepts

Concept/Term	Definition
User Provisioning	The process of creating, managing, and deleting user accounts in SAP HANA, ensuring that users have the appropriate access rights.
HANA Dynamic Tiering	A feature that enables the storage of cold data in cheaper, slower storage while keeping active data in high-performance memory.
HANA Cloud	The cloud-based version of SAP HANA, offering scalable, flexible, and cost-effective deployment for businesses using SAP HANA in the cloud.
HANA Table Partitioning	The division of large tables into smaller, more manageable parts (partitions) to improve query performance and data management.
HANA In-Memory Computing	Storing and processing data entirely in RAM, enabling extremely fast data access and real-time analysis.

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Concept/Term	Definition
HANA Data Encryption	The process of securing data in SAP HANA by encrypting it both in transit and at rest, ensuring compliance with security standards.
HANA System Monitoring	The process of tracking the health, performance, and resource usage of SAP HANA systems to prevent issues and maintain optimal performance.
HANA Resource Management	Managing the allocation and use of system resources like memory, CPU, and disk space in SAP HANA to ensure efficient operation.
HANA Replication	The process of copying data from one HANA system to another to ensure consistency and availability, commonly used for disaster recovery.
HANA Query Optimization	The process of refining SQL queries to ensure that they execute efficiently, reducing system load and speeding up data retrieval.

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**SAP Basis HANA
Key Concepts**

Concept/Term	Definition
HANA Data Governance	A set of policies and practices within SAP HANA to ensure that data is accurate, consistent, and compliant with regulations.
HANA Application Services	A suite of tools within SAP HANA that enable developers to build, deploy, and manage applications directly on the HANA platform.
HANA Virtualization	A method of creating logical representations of physical data resources in SAP HANA to improve flexibility and resource management.
SAP HANA Data Models	The structures and views created within SAP HANA to organize data for efficient retrieval, reporting, and analytics.
HANA System Health Check	A diagnostic process to assess the overall health of a SAP HANA system, identifying potential issues before they impact operations.

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Concept/Term	Definition
HANA Event Logging	The process of recording system events and activities within SAP HANA, providing valuable insights for troubleshooting and auditing.
HANA Multi-Tenant Database Containers	A feature of SAP HANA that allows multiple databases to run independently in the same system, optimizing resource usage.
HANA Integration Services	Tools and protocols for integrating SAP HANA with other SAP systems and third-party applications for seamless data flow and interoperability.
HANA System Configuration	The process of setting up SAP HANA for optimal performance, including memory allocation, storage settings, and system parameters.
HANA Scalability	The ability to scale SAP HANA horizontally (adding more machines) or vertically (adding more resources to a single machine) to handle increasing data loads.

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Concept/Term	Definition
HANA Security	A set of practices and features in SAP HANA to protect data, including user access control, encryption, and authentication mechanisms.
HANA Business Continuity	Practices such as data replication and system failover that ensure continuous operation and minimal downtime in SAP HANA.
HANA Data Integration	The process of moving and integrating data from external sources into SAP HANA for analytics and reporting.
HANA Disaster Recovery	A strategy for ensuring that SAP HANA systems can quickly recover from system failures or data loss, often involving replication and backup mechanisms.
HANA Extended Services (XS)	A platform for developing and deploying web applications directly on SAP HANA, supporting modern web-based development.

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