GLOSSARY OF SAP S/4HANA INTEGRATION SUITE

A Quick Reference Guide to SAP Terminologies

Concept/Term	Definition
SAP S/4HANA Integration Suite	A suite of tools and services within SAP designed to integrate SAP S/4HANA with other systems, applications, and third-party services to ensure seamless data flow.
Cloud Integration	The process of connecting cloud-based applications with on-premise or other cloud services, enabling real-time data sharing and process integration.
API Management	A set of tools used to design, deploy, and manage APIs, ensuring secure and efficient communication between SAP S/4HANA and external systems or applications.
Data Integration	The process of combining data from multiple sources into a unified view, often using SAP tools to move and synchronize data between SAP S/4HANA and external platforms.
SAP Cloud Platform Integration (CPI)	A cloud-based integration solution that enables the integration of SAP S/4HANA with third-party and legacy applications through pre-configured connectors.

Concept/Term	Definition
iFlow (Integration Flow)	A configuration in SAP CPI that defines the data flow, transformations, and routing between systems or applications in an integration scenario.
Middleware	A software layer that facilitates communication and data exchange between disparate systems, enabling integration within the SAP S/4HANA Integration Suite.
Mapping	The process of aligning data fields from one system to another, ensuring data compatibility during integration, particularly within SAP Integration Suite.
Transformation	The conversion of data from one format or structure to another as it moves between systems, a critical part of integration in SAP S/4HANA.
B2B Integration	The integration of business-to-business processes, enabling data sharing and communication between different organizations' systems using SAP S/4HANA.

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Concept/Term	Definition
SAP S/4HANA Cloud Connector	A tool used to securely connect SAP S/4HANA with on-premise systems or third-party services, supporting cloud-based integration scenarios.
Business Rules Framework (BRF+)	A platform that enables the definition, execution, and management of business rules, often used to automate decision-making within integrations.
Event-Driven Architecture (EDA)	A design pattern that triggers events in one system to initiate actions in another, commonly used in SAP S/4HANA integrations for real-time operations.
Process Orchestration (PO)	A solution that enables the coordination of business processes and data exchange across systems, ensuring that all steps in a business workflow are properly executed.
SAP Fiori Integration	The integration of SAP Fiori apps with SAP S/4HANA, allowing for a seamless user experience across different devices and platforms.

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SAP S/4HANA Integration Suite Key Concepts

Concept/Term	Definition
Single Sign-On (SSO)	A user authentication process that allows a user to access multiple applications with a single set of credentials, often used for secure SAP S/4HANA integration.
OAuth	A protocol for token-based authentication and authorization, widely used in API integrations for secure and scalable access to SAP S/4HANA and external systems.
Web Services	A method of communication that allows different systems to communicate over the web using XML or JSON data formats, commonly used in SAP S/4HANA integration.
RESTful API	An architectural style for APIs that uses HTTP requests to access and manipulate data, commonly used for lightweight, scalable integrations with SAP S/4HANA.
SOAP Web Services	A protocol for exchanging structured information in the implementation of web services, often used in legacy SAP integration scenarios.

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Concept/Term	Definition
Cloud-to-Cloud Integration	The integration of two or more cloud-based services, ensuring data synchronization and process coordination between them, including with SAP S/4HANA.
SAP Integration Advisor	A tool within SAP S/4HANA that helps to accelerate the integration process by providing pre-configured integration flows and templates.
SAP Business Technology Platform (BTP)	The technology platform that unifies SAP's data management, analytics, integration, and application development tools, forming the foundation for SAP S/4HANA integration.
Hybrid Integration	A scenario where both cloud and on-premise systems are integrated, allowing businesses to bridge legacy systems with SAP S/4HANA.
Message Broker	A middleware solution that handles the routing and transformation of messages between systems, essential for SAP S/4HANA integration with other platforms.

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SAP S/4HANA Integration Suite
Key Concepts

Concept/Term	Definition
Integration Gateway	A tool or service that facilitates communication and data exchange between SAP S/4HANA and external systems, ensuring seamless connectivity.
SAP Data Intelligence	A toolset within SAP BTP for managing and orchestrating data across various systems, including on-premise and cloud, used for data integration and transformation.
API Gateway	A management tool that acts as an entry point for external systems to interact with SAP APIs, providing routing, security, and rate-limiting features.
Event Mesh	A distributed eventing infrastructure that enables event-driven architectures, allowing real-time event propagation between different SAP and non-SAP systems.
SAP API Business Hub	A platform that provides access to pre-built APIs, integration templates, and connectors for connecting SAP S/4HANA to other systems and services.

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Concept/Term	Definition
SAP Integration Runtime	The infrastructure and tools used for executing integration flows between SAP S/4HANA and other systems, including cloud and on-premise solutions.
Integration Patterns	Standardized methods or strategies for designing integrations between systems, including data flow models, security configurations, and error handling procedures.
API Proxy	A server-side tool that provides an interface for client applications to access backend services securely, often used in API integrations for SAP S/4HANA.
S/4HANA Core Data Services (CDS)	A data modeling framework in SAP S/4HANA for creating and consuming database views, used to expose data to external systems in an integrated architecture.
Transaction Processing	The management of business transactions within SAP S/4HANA, ensuring accurate data exchange and system updates during integration scenarios.

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Concept/Term	Definition
Mobile App Interface	The interaction between the user and the mobile app, designed to be intuitive, responsive, and aligned with SAP Fiori principles.
Mobile App Customization	The process of tailoring a mobile app to specific user needs or business requirements by adjusting its features, UI elements, and behavior.
App Code Management	The process of managing the source code for mobile applications, including version control and collaboration among developers.
Multi-Platform Deployment	Deploying mobile applications across multiple platforms (e.g., iOS, Android) with minimal changes to the app's underlying codebase.
Performance Tuning	The process of optimizing a mobile app's performance by reducing load times, improving responsiveness, and minimizing memory usage.

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Concept/Term	Definition
EDI (Electronic Data Interchange)	A standardized method for exchanging business documents between organizations, supported by SAP S/4HANA for integrating with trading partners.
SAP Integration Monitoring	Tools and processes used to monitor the status of integration flows, ensuring that data is successfully transferred between systems and identifying any issues.
Master Data Management (MDM)	A process that ensures the consistency and accuracy of master data across different systems, often used in integration scenarios to maintain data quality.
API Security	The implementation of security measures such as encryption, authentication, and access control to protect APIs used for SAP S/4HANA integration.
Cloud Integration Hub	A central platform for managing cloud-based integration flows, allowing seamless communication between SAP S/4HANA and other cloud applications.

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SAP S/4HANA Integration Suite
Key Concepts

Concept/Term	Definition
Data Synchronization	The process of keeping data consistent and up-to-date across integrated systems, ensuring real-time updates and accuracy in SAP S/4HANA integration scenarios.
SAP CPI (Cloud Platform Integration)	A cloud-based integration tool used to connect SAP S/4HANA with various SAP and third-party applications, facilitating seamless data and process integration.
API-First Design	An approach where APIs are designed and implemented before building applications, ensuring that integration capabilities are considered from the outset.
Data Orchestration	The process of managing and coordinating data flow across various systems and applications, ensuring seamless integration and real-time data synchronization.
Cross-System Data Sharing	The ability to share and synchronize data across different systems, ensuring consistency and enabling efficient business processes in integrated SAP S/4HANA environments.

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