



GLOSSARY OF SAP S/4HANA INTELLIGENT ROBOTIC PROCESS AUTOMATION (IRPA)

**A Quick Reference Guide to
SAP Terminologies**

Concept/Term	Definition
SAP S/4HANA iRPA	SAP's Intelligent Robotic Process Automation (iRPA) platform used to automate repetitive business processes and enhance system efficiency through bots and workflows.
Bot	A software program or agent that automates tasks by mimicking human actions, such as data entry, processing, or querying, within SAP S/4HANA iRPA.
Automation	The use of technology to perform tasks or processes without human intervention, typically designed to increase speed, accuracy, and efficiency.
Process Bot	A bot specifically designed to automate an entire business process, handling multiple steps from start to finish in SAP S/4HANA.
Attended Bot	A bot that operates under the supervision of a user, triggered by user input or commands to assist with tasks.

Concept/Term	Definition
Unattended Bot	A bot that runs autonomously in the background, triggered by predefined events, and operates without human intervention.
Automation Lifecycle	The full life cycle of a robotic process automation, from identification and development to deployment and maintenance.
Workflow Automation	The automation of a series of tasks or processes, allowing them to be completed in sequence without manual input, facilitated by SAP iRPA.
Bot Framework	The underlying structure used to build, test, and deploy bots in the iRPA environment, typically composed of workflows, triggers, and actions.
SAP Intelligent RPA Studio	The development environment where users can design, build, and test RPA bots, using a visual interface to create automation workflows.

Concept/Term	Definition
Robotic Process Automation (RPA)	The use of software robots to automate highly repetitive, rule-based tasks in business processes, such as data entry or report generation.
Triggering	The mechanism that activates a bot or process in iRPA, based on predefined rules or external events such as time schedules or incoming data.
Bot Orchestration	Managing and coordinating multiple bots to perform tasks in an organized and efficient manner within SAP iRPA, often integrated with other SAP applications.
iRPA Cloud	The cloud-based platform provided by SAP for deploying and managing intelligent RPA solutions, enabling scalability and centralized management.
Bot Deployment	The process of launching a bot into a live environment where it can execute tasks as part of the automated process in SAP iRPA.

Concept/Term	Definition
Process Mapping	The visualization and documentation of a business process to identify tasks and steps that can be automated with iRPA bots.
iRPA Agent	A component that enables communication between bots and the SAP system, responsible for executing automated tasks and collecting feedback.
Bot Monitoring	The process of tracking and analyzing the performance and status of bots to ensure smooth operation and identify any issues or inefficiencies.
RPA Deployment Automation	The practice of automatically deploying and managing robots in the production environment to handle various tasks without human intervention.
Business Process Automation (BPA)	The automation of complex business processes involving multiple systems and workflows, often using SAP iRPA to streamline operations.

Concept/Term	Definition
Data Extraction	The process of retrieving and extracting data from various sources or systems, often automated using iRPA to speed up data processing tasks.
SAP Fiori Integration	The integration of iRPA with SAP Fiori apps to enhance user experience and allow for more intelligent automation in user interfaces.
Process Optimization	The practice of improving existing business processes by automating steps, reducing errors, and increasing operational efficiency, often supported by iRPA.
iRPA Analytics	The collection and analysis of data related to bot performance, task completion, and process efficiency to optimize future automation efforts.
Bot Log	A detailed record of bot actions and operations, used for troubleshooting, performance tracking, and auditing automated processes in SAP iRPA.

Concept/Term	Definition
Orchestration Server	A central server that manages the execution, monitoring, and scheduling of bots in the iRPA environment, ensuring tasks are carried out correctly.
Bot Execution	The act of running a bot to perform automated tasks based on triggers or commands within SAP iRPA, ensuring efficient task completion.
Bot Workflow	A series of tasks or actions defined within the iRPA platform that bots execute in sequence to automate a business process.
Robotic Process Design	The process of designing the tasks and workflows that a bot will automate, including defining inputs, outputs, and decision-making logic.
Bot Testing	The process of validating bot behavior and performance before deployment to ensure accuracy and effectiveness in real-world environments.

Concept/Term	Definition
iRPA Console	The user interface used to manage, monitor, and configure bots within the iRPA platform, providing control over bot activities and statuses.
Automation Strategy	A comprehensive plan outlining the processes, technologies, and objectives for implementing automation across an organization, leveraging SAP iRPA.
AI Integration in iRPA	The integration of artificial intelligence technologies, such as machine learning, into iRPA bots to enable decision-making and adapt to dynamic environments.
Bot Scheduling	The configuration of times or conditions under which bots will be triggered to execute specific tasks, ensuring that automation runs as needed.
Data Validation	The process of ensuring that the data collected or processed by bots is accurate, complete, and conforms to predefined rules, often part of an RPA workflow.

Concept/Term	Definition
Error Handling in Bots	A mechanism built into bots to identify and address errors during task execution, ensuring smooth operation in SAP iRPA environments.
Transaction Automation	The process of automating business transactions, such as invoice processing or order entry, through iRPA bots to speed up and streamline operations.
Robot Collaboration	The coordination between multiple bots working together in a task or process, orchestrated within SAP iRPA to maximize automation efficiency.
Bot Deployment Pipeline	A set of steps and processes used to continuously deploy and update bots in a production environment, ensuring minimal disruption to operations.
Bot Optimization	The practice of refining bot workflows and performance based on feedback, analytics, and performance logs to improve efficiency and accuracy.

Concept/Term	Definition
RPA Governance	The oversight and management of RPA processes, ensuring compliance, security, and performance standards are maintained throughout the bot lifecycle.
API Integration in iRPA	The process of using APIs to connect iRPA bots with external systems and data sources to enable automated communication and process execution.
End-to-End Automation	The automation of an entire business process from start to finish, ensuring that every step is executed by bots, often involving multiple systems or applications.
iRPA Cloud Service	A cloud-based version of SAP iRPA that allows users to design, deploy, and manage bots in a scalable, cost-effective environment without on-premise infrastructure.
Machine Learning in iRPA	The integration of machine learning models to enhance iRPA bots, enabling them to adapt to changing conditions and improve decision-making in automated processes.

Concept/Term	Definition
Process Automation Hub	A centralized platform for managing, deploying, and monitoring all RPA bots, ensuring they work together seamlessly to automate business processes.
Bot Insights	Real-time analytics and performance metrics collected from bots to optimize and refine RPA workflows in SAP iRPA.
Bot Maintenance	The process of ensuring that RPA bots are regularly updated, troubleshooting errors, and optimizing performance to maintain smooth operation over time.
Orchestrator	A component used to manage multiple RPA bots, coordinating their execution, and ensuring the automation of workflows in an organized manner.
Business Process Automation (BPA)	The automation of business processes from start to finish using iRPA, improving efficiency and reducing manual effort in business operations.