

# **SAP Activate** **SAP S/4HANA Public Edition**

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**May 2024**



SAP S/4HANA Public Edition : SAP Activate –Certification



# Implementation Consultant – SAP S/4HANA Cloud Public Edition

## SAP Certified Associate - Implementation Consultant - SAP S/4HANA Cloud Public Edition

60 Questions 2 hrs 67% cut score [View sample questions](#)



### Overview

This certification verifies that you possess the core skills required to explain and execute core implementation project tasks to deploy, adopt, and extend SAP S/4HANA Cloud Public Edition. This certification is designed for implementation project members to prove their overall understanding and in-depth skills to participate in their role as members of a SAP S/4HANA Cloud Public Edition implementation project.

### Roles



Consultant

### Available Languages


- English


<https://learning.sap.com/certifications/sap-certified-associate-implementation-consultant-sap-s-4hana-cloud-public-edition>

# Topic Areas


 60 Questions  2 hrs  67% cut score [View sample questions](#)

[https://training.sap.com/certification/c\\_s4cpb\\_2402-sap-certified-associate--implementation-consultant---sap-s4hana-cloud-public-edition-g/?](https://training.sap.com/certification/c_s4cpb_2402-sap-certified-associate--implementation-consultant---sap-s4hana-cloud-public-edition-g/?)


Introduction to Cloud Computing and SAP Cloud ERP Deployment Options 11% - 20% 

Implementing with a Cloud Mindset, Building the Team, and Conducting Fit-to-Standard Workshops 11% - 20% 

System Landscapes and Identity Access Management 11% - 20% 

Configuration and the SAP Fiori Launchpad 11% - 20% 

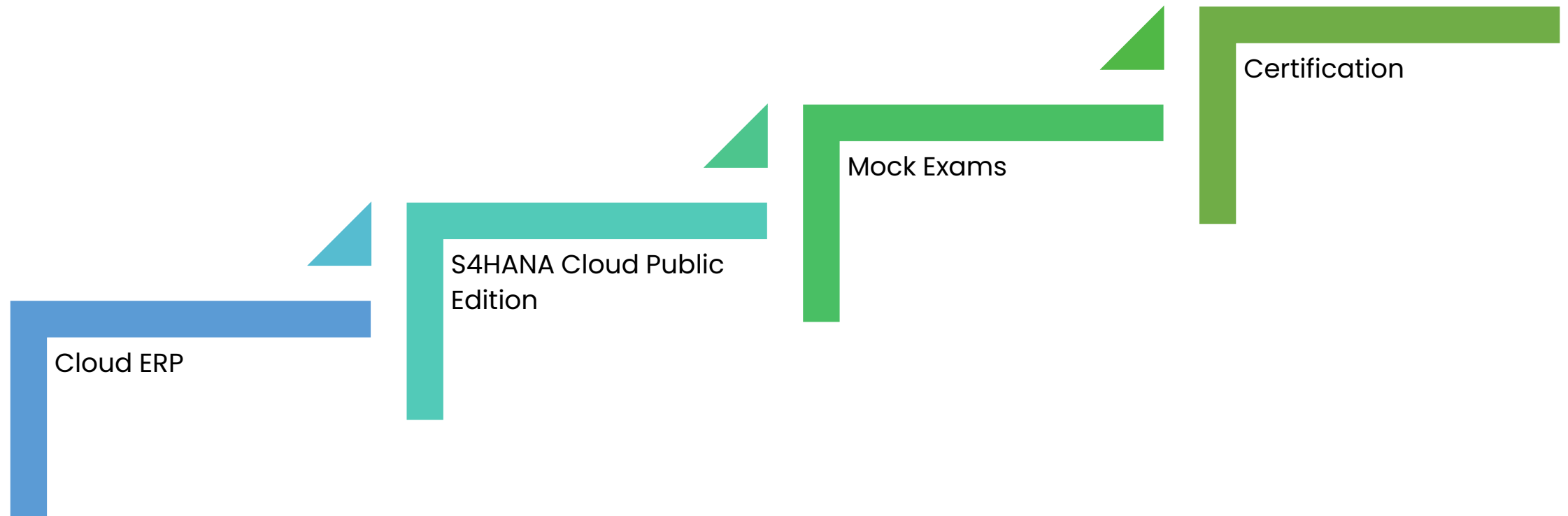
Extensibility and Integration 11% - 20% 

Data Migration and Business Process Testing 11% - 20% 



# Your Journey to Certification

"20h : Preparation Time required



# Exploring Cloud ERP

<https://learning.sap.com/learning-journey/explore-sap-cloud-erp>

LEARNING JOURNEY

## Exploring SAP Cloud ERP


4 Units

3 hrs

Free

Record of Achievement

Exploring SAP Cloud ERP



learning.sap.com

### Overview

This learning journey is designed for you to explore SAP's cloud ERP solutions, the different deployment options available for the ready-to-run (GROW with SAP) and the tailored-to-fit (RISE with SAP) use cases and set up an implementation project for success with the Cloud Mindset.

### Learning objectives

After completing this learning journey, you will be able to distinguish SAP's cloud ERP solutions and assess which deployment option is recommended for different use cases, as well as the tools and technologies that can be used for application lifecycle management, SAP Best Practices solution processes, integration, and extensibility.

### Your current experience in this topic

Beginner

Intermediate

Advanced

### Roles

Consultant

### Prerequisites

None


Start learning

# Implementing SAP S/4HANA Cloud Public Edition

<https://learning.sap.com/learning-journeys/implementing-sap-s-4-hana-cloud-public-edition>

## Implementing SAP S/4HANA Cloud Public Edition

12 Units 10 hrs Free until certification Hands-on practice



learning.sap.com

### Overview

This learning journey focuses on the fundamental knowledge required to implement SAP S/4HANA Cloud Public Edition.

### Learning objectives

After completing this learning journey, you will be able to explain and execute core implementation project tasks to deploy, adopt, and extend SAP S/4HANA Cloud Public Edition. This includes building the implementation team, defining system landscapes, setting up systems and authorizations, gathering data for fit-to-standard workshops, configuring business processes with SAP Central Business Configuration, working with the SAP Fiori Launchpad, customizing authorizations, applying extensibility tools and concepts, setting up integration scenarios, migrating data, and testing configured processes with automation.

### Your current experience in this topic

Beginner Intermediate Advanced

### Roles

Consultant

### Prerequisites

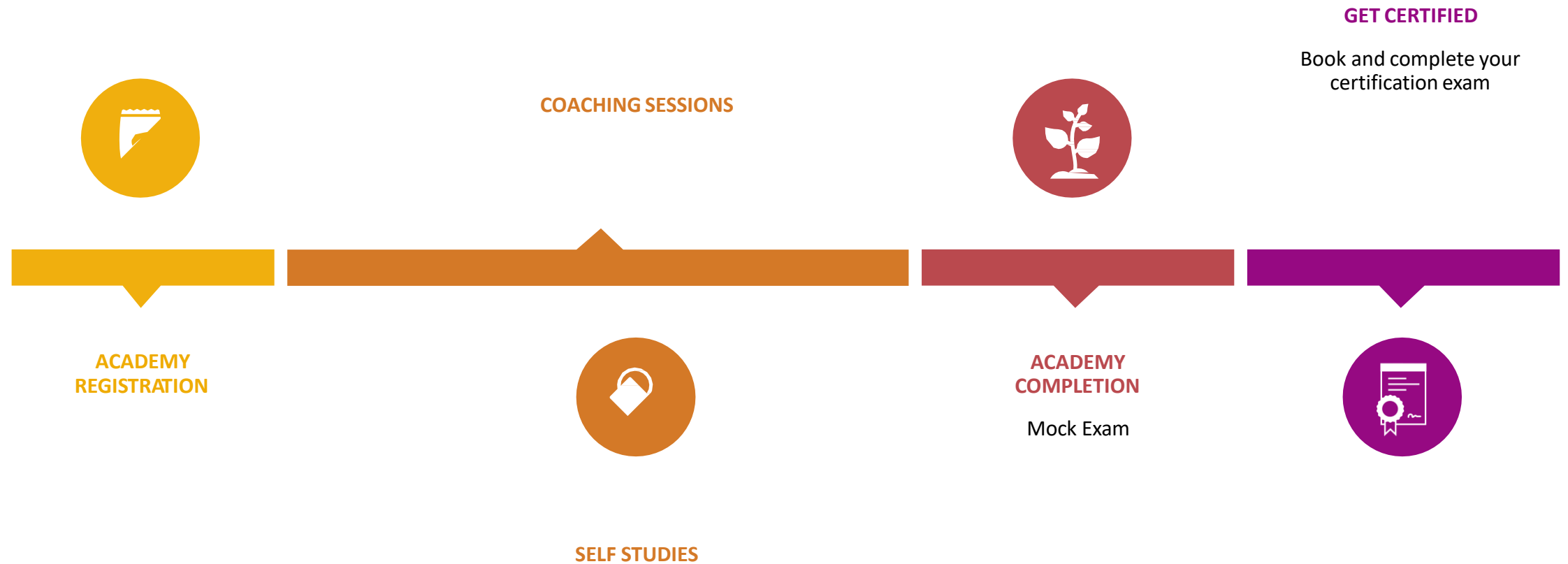
[Exploring SAP Cloud ERP](#)

[Start learning](#)

Certification Course Academy



# Certification Journey



<https://knowledgecom.izeberg.ai/>

**TEAMS link :** <https://bit.ly/4aYZafn>

## Key to Success

- ✓ Self Studies in SAP Learning Hub and Learning Journey
  - ✓ Read all the contents and make notes
  - ✓ Complete the quiz at the end of each topic
- ✓ Attend all Coaching sessions
  - ✓ Fast-track to certification
  - ✓ Clarification sessions
- ✓ Take Notes (Handwritten or Digital)
- ✓ Use Practice system and complete the practical exercises for the topic
  - ✓ Don't skip any exercises
  - ✓ Demo/watching videos alone won't be sufficient
- ✓ Mock Exams
  - ✓ Take as many mock exams as you like



Cloud ERP



# Introducing Cloud Computing



4 Lessons

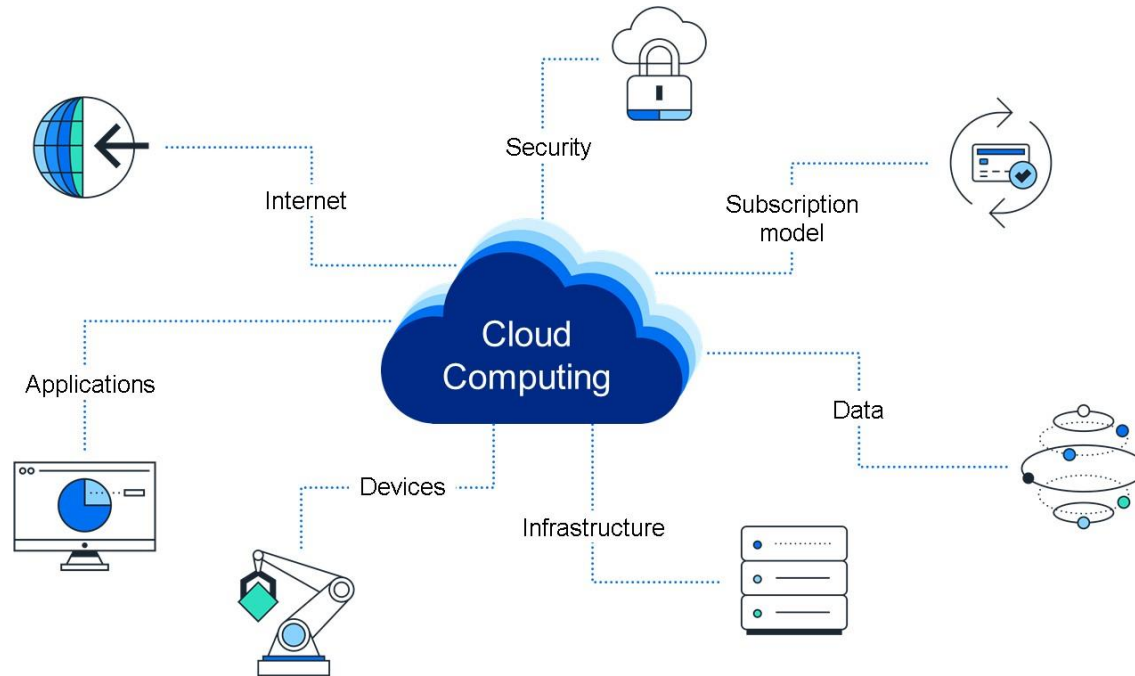


25 mins

After completing this unit, you will be able to:

- Summarize the foundational concepts of cloud computing
- Differentiate between the three cloud deployment models
- Differentiate between the three cloud computing services
- Map SAP products to computing services
- Explain governance responsibilities for the cloud deployment models and computing services

# Identifying Foundational Concepts of Cloud Computing

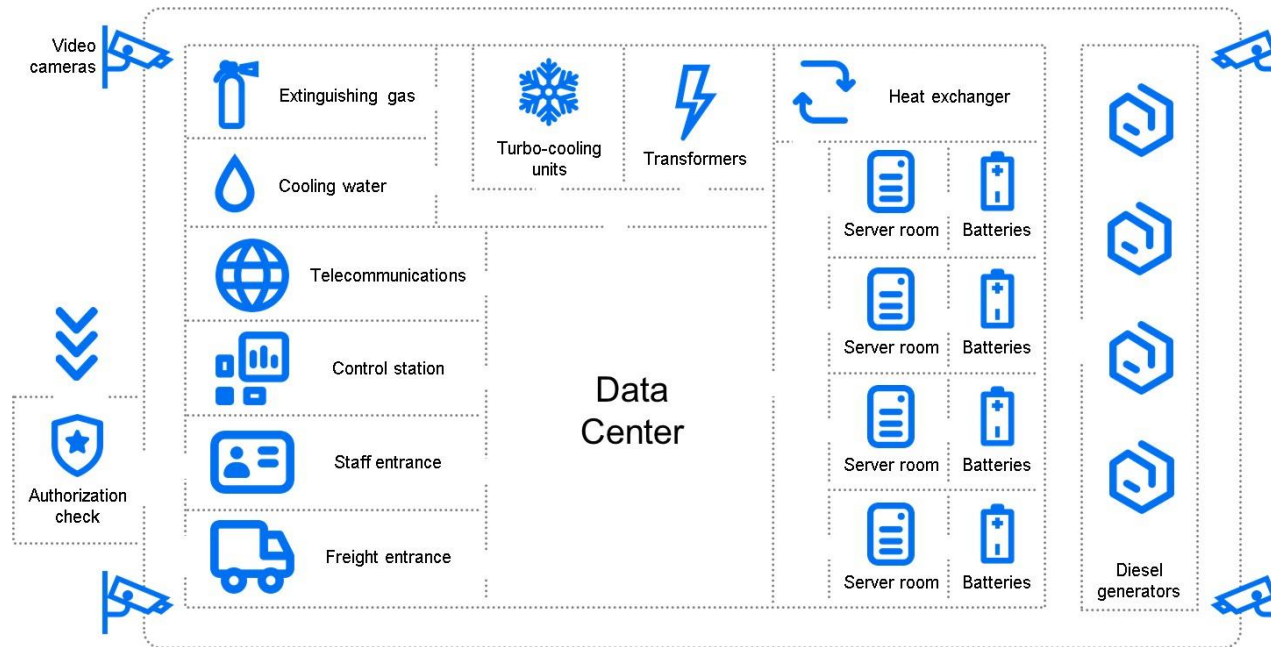


- Cloud computing encompasses the delivery of various computing resources over the Internet.
- Resources include applications, platforms, data storage, and operating systems.
- Subscription-based model: Users pay a regular fee to access services from third-party providers.
- Eliminates the need for on-premises infrastructure and maintenance costs.
- Offers scalability, flexibility, and accessibility from anywhere with an internet connection.
- Common cloud service models include Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).

# Cloud Benefits

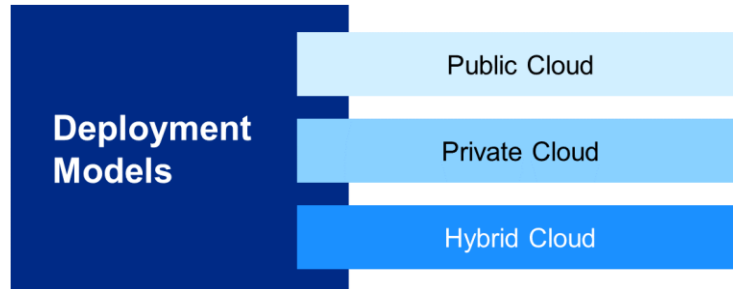
Benefit	Description
Elasticity	Increase or decrease the storage space and computing power you need to meet fluctuating workload requirements.
Affordability	Minimize hardware and IT (Information Technology) department costs; only pay for what you use.
Availability	24 x 7 x 365 system access from anywhere, on any device.
Security	Improve compliance, protect data, and mitigate risk with continuous security updates from the cloud provider.
Innovation	Rapidly adopt new technologies to innovate faster, while simplifying the IT department's maintenance responsibilities.
Agility	Set-up cloud system(s) to quickly react to changing market conditions and business needs.

# Where does your data live?



- Data for cloud computing services resides in data centers.
- Data centers consist of power supply, cooling systems, and controlled access for security.
- Power supply includes redundant grids and backup diesel generators.
- Cooling systems are vital to maintain the efficiency of electronic components.
- Controlled access is ensured through rigorous security measures including surveillance, access control, and biometric scans.
- Additional security measures include encrypted communication between data centers, backup retention procedures, monitoring and logging access, and technical security features.
- Technical security features include a proprietary network architecture, web dispatcher farm, multiple internet connections, layered security measures, firewalls, and third-party audits for security validation.

# Differentiating Cloud Deployment Models



## **Public Cloud:**

- Multi-tenant server setup where customers share resources.
- Each customer has their own isolated "cloud container."
- Low total cost of ownership (TCO) due to shared resources and provider maintenance.
- Highest level of resource sharing, akin to an apartment building.

## **Private Cloud:**

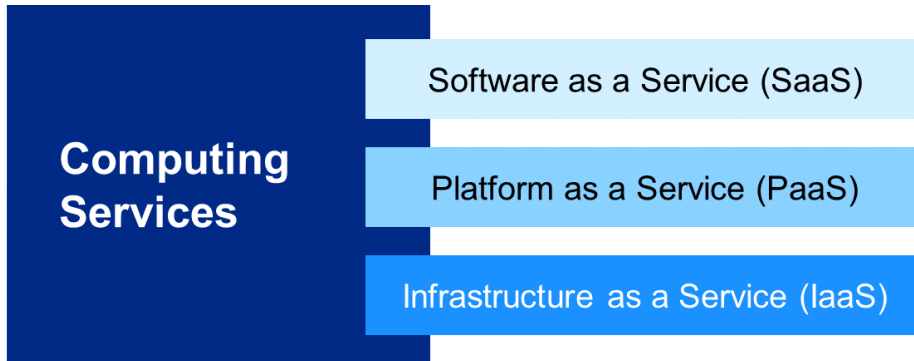
- Single-tenant server setup, each customer has dedicated resources.
- Subscription-based model with off-site servers managed by the provider.
- More customization options compared to public cloud.
- Lower TCO than on-premise but higher than public cloud due to server maintenance.

## **Hybrid Cloud:**

- Combination of cloud (public/private) and on-premise solutions.
- Allows for diverse landscapes and integration of multiple solutions.
- SAP Business Technology Platform facilitates cloud-native integrations for data integration.



# Differentiating Cloud Computing Services



## **Software as a Service (SaaS):**

- Hosted applications provided by a cloud provider accessible over the internet.
- Designed for specific end-to-end activities with predefined process flows.
- Customers access applications via web browsers.
- Continuous development of enhancements and features by the provider.
- Upgrades installed regularly by the provider; optional for SAP S/4HANA Cloud, Private Edition.

## **Platform as a Service (PaaS):**

- Cloud provider hosts a development platform and related services.
- Subscribers use development tools to create applications.
- Developers choose services for specific needs.
- Accessible over the internet.
- Enables development, configuration, and management of applications.

## **Infrastructure as a Service (IaaS):**

- Cloud provider hosts servers, storage, and virtual computing resources.
- Customers "rent" access to resources on a pay-per-use basis.
- Eliminates need for upfront hardware purchase and setup.
- Provider handles infrastructure maintenance and backups.
- Example: Subscribing to a document storage service like iCloud or Google Drive to upload and store files.

# SAP Solutions Mapped to Computing Services

## Examples of SAP SaaS Solutions\*

 S/4HANA Cloud

 SuccessFactors

 Fieldglass

 Ariba  Concur

 Customer Experience

## SAP's PaaS Solution

**SAP Business Technology Platform**

## SAP's Managed IaaS Solution

**SAP HANA Enterprise Cloud**

\*This is not a comprehensive list of ALL SaaS solutions from SAP

# Deployment Models and Operational Responsibility

		Public Cloud				
		On Premise	Private Cloud	IaaS	PaaS	SaaS
Business process management		●	●	●	●	●
Application management	Applications		●	●	●	●
	Middleware and platform		●	●	●	●
System management	System		●	●	●	●
	Database		●	●	●	●
	Operating system		●	●	●	●
	Virtualization		●	●	●	●
IT infrastructure management	Servers		●	●	●	●
	Storage		●	●	●	●
	Networking	●	●	●	●	●

● Completely managed by customer;  
No transparency for service provider

● Managed by service provider with defined SLAs and KPIs;  
Customer has transparency about critical events and SLAs

● Completely managed by service provider;  
No transparency for customer

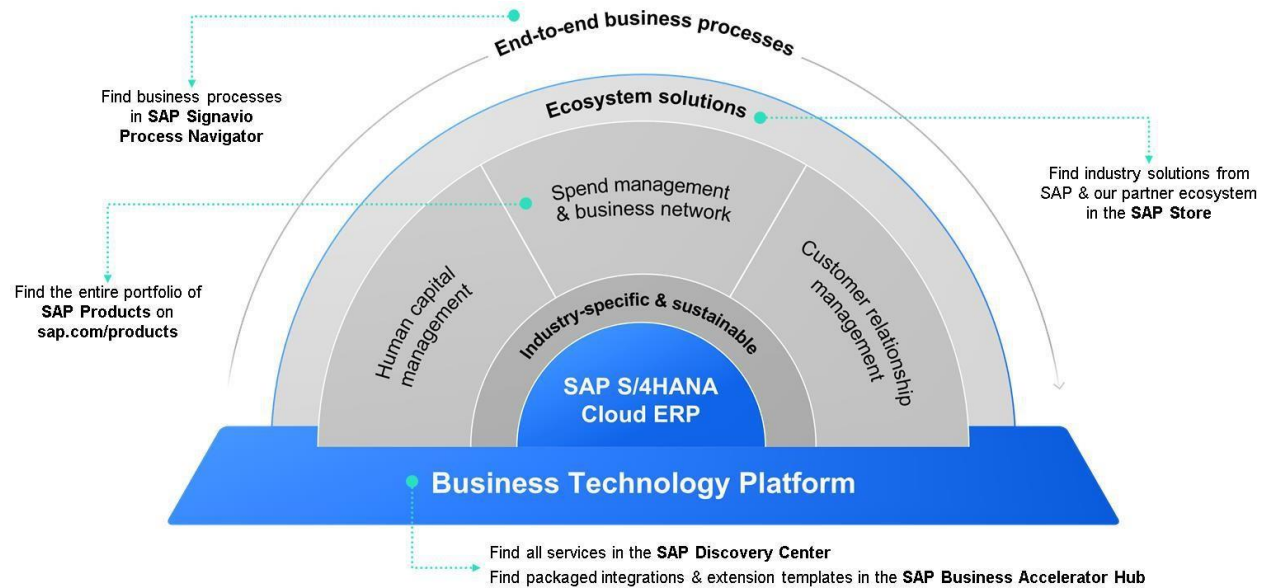
# Navigating SAP's Portfolio with Embedded Intelligence & Sustainability

 3 Lessons  30 mins

After completing this unit, you will be able to:

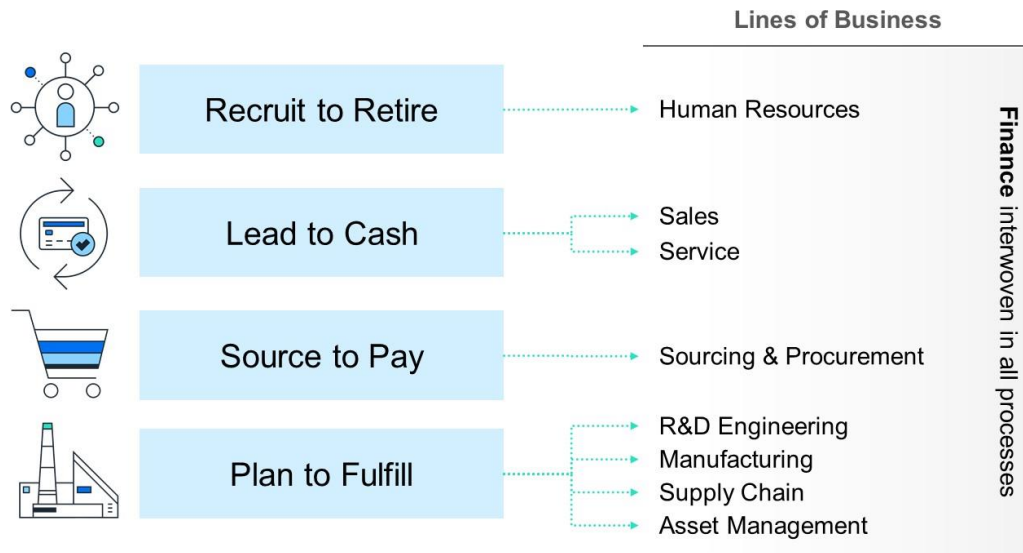
- Summarize the main components of SAP's Cloud ERP portfolio
- Define how artificial intelligence is embedded in SAP's solutions
- Explain how sustainability is interwoven in SAP's solutions

# SAP's Cloud ERP Portfolio



- Central component: SAP S/4HANA Cloud ERP core (Public Edition or Private Edition).
- Supported by SAP Business Technology Platform (BTP) for integrations and extensions.
- Access to integration packages and extension templates on SAP Business Accelerator Hub.
- Examples of usage scenarios and costs associated with using integration packages and extensions.
- Line of Business (LoB) and industry-specific applications complementing Cloud ERP.
- Business process documentation available in SAP Signavio Process Navigator.
- Industry cloud solutions available in the SAP Store.
- Additional capabilities may be required in areas like Human Capital Management (HCM), Spend Management & Business Network, and Customer Relationship Management (CRM).

# Core End-to-End Business Processes



## Recruit to Retire:

- Essential business scenario covering the entire employee lifecycle.
- Includes hiring, training, task assignment, health management, and payroll.
- SAP enables understanding, management, and optimization of workforce aspects.
- Focus on time recording and integration with customer's HR system in SAP S/4HANA Cloud.

## Lead to Cash:

- Manages customer experience from sales to revenue realization.
- Covers initial interaction, order fulfillment, and service delivery.
- Processes adaptable based on industry, customer type, and sales channels.
- Available in Sales, Service, and Professional Services LoBs in public cloud.

## Source to Pay:

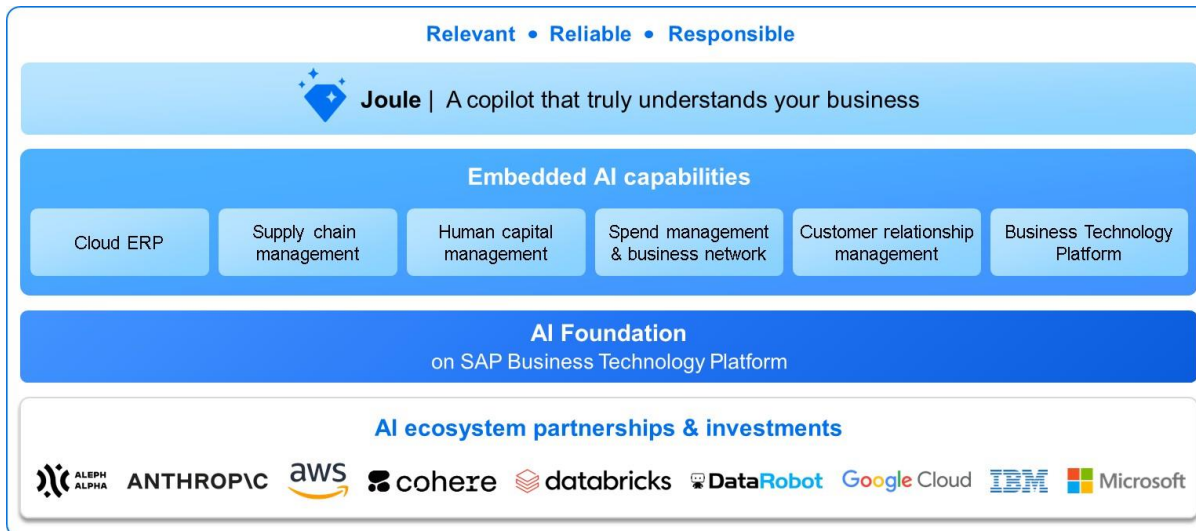
- Maximizes sourcing and procurement impact and potential.
- Leverages data, predictive analytics, and machine learning.
- Provides seamless sourcing and procurement experience in SAP S/4HANA Cloud and SAP Ariba.
- Allows buyers and suppliers to efficiently manage sales cycle and cash flow.

## Plan to Fulfill:

- End-to-end processes managing digital supply chain resilience.
- Encompasses planning, manufacturing, and product delivery.
- Utilizes R&D Engineering, Manufacturing, Supply Chain, and Asset Management LoBs.
- Supports both discrete and process manufacturing for tangible and intangible goods.



# Artificial Intelligence in SAP Solutions



## SAP Business AI Overview:

- Embedded across SAP's entire portfolio of solutions.
- Provides AI services tailored to specific business processes.
- Examples include business document processing, data attribute recommendations, and Robotic Process Automation templates.

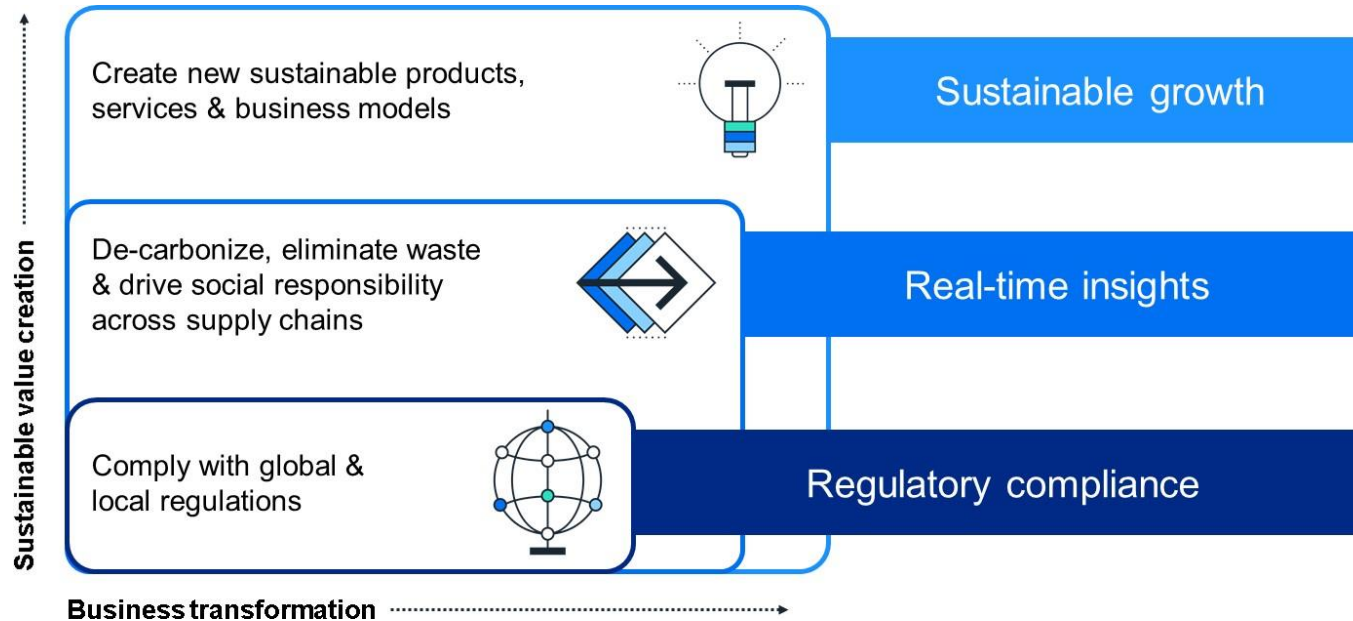
## Data Foundation:

- Data is essential for business AI.
- SAP offers the foundation (SAP Business Technology Platform) and services (SAP Datasphere, Analytics Cloud, Integration Suite) for connecting and modeling data across applications.
- Strategic partnerships with industry leaders (e.g., Microsoft Teams, Google Workspace) embed their technology into SAP products or enable customers to build custom machine learning models securely on SAP data.

## Objective:

- Aim to provide customers with a comprehensive cloud ERP.
- Goal is to optimize and automate processes, and gain insights through data.
- Empowers customers to make informed decisions for their businesses.

# Sustainability in SAP Solutions



## Overall Impact:

- Helps businesses align with sustainability goals and make meaningful contributions to environmental and social well-being.

## Sustainability Integration:

- SAP embeds sustainability insights into end-to-end business processes.
- Enables customers to prioritize sustainability as a core aspect of their operations.

## Dedicated Solution: SAP Cloud for Sustainable Enterprises:

- Designed to help customers reduce emissions, achieve zero waste, and maintain social responsibility.
- Supports regulatory compliance, real-time insights, and sustainable growth.

## Compliance and Transparency:

- Provides deep transparency into financial and non-financial data.
- Helps customers proactively ensure compliance with global and local regulations, taxation, and sanctions.

## Real-Time Data for Improvement:

- Real-time data allows assessment of carbon footprint and identifies areas for improvement.
- Encourages the adoption of circular business models to reduce waste and promote sustainability.
- Supports initiatives such as waste-to-energy projects to minimize landfill emissions.

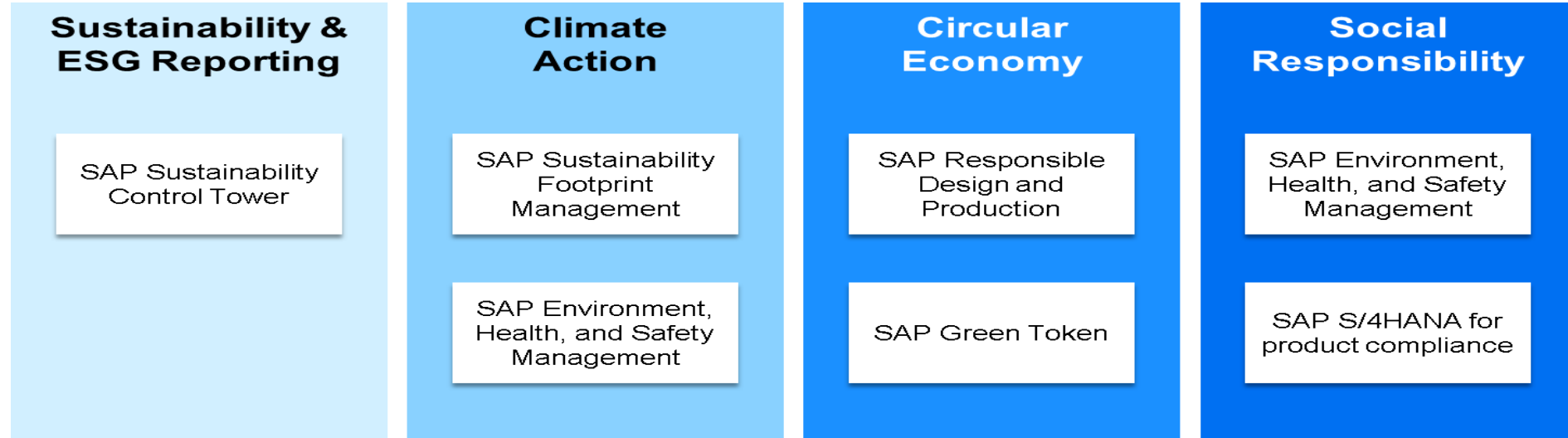
## Ethical Supply Chain:

- Promotes responsible sourcing of materials and fair treatment of workers.
- Ensures fair, livable wages and safe working conditions for employees.
- Encourages responsible land use and preservation of native plants and trees.

## Impactful Decision-Making:

- Detailed data enables businesses to make informed decisions with human and environmental impact.
- Identifies opportunities for new sustainable products, services, and solutions.

# SAP Cloud for Sustainable Enterprises Solutions



## 1. Sustainability and ESG Reporting Solutions:

- SAP Sustainability Control Tower: Defines organization-specific targets and tracks performance.
- Data management and performance insight tools aid in understanding environmental, social, and governance (ESG) data.

## 2. Climate Action Solutions:

- SAP Sustainability Footprint Management and SAP Environment, Health, and Safety Management: Reduce carbon footprint across the value chain.
- Based on actual business transactions to ensure accurate measurement.

## 3. Circular Economy Solutions:

- SAP Responsible Design and Production and SAP Green Token: Facilitate a circular supply chain.
- Encourages reuse of outputs to minimize waste.

## 4. Social Responsibility Solutions:

- SAP Environment, Health, and Safety Management and SAP S/4HANA for product compliance: Assess impact on people and society.
- Provides insights into broader societal context and compliance requirements.

# Choosing a Deployment



4 Lessons

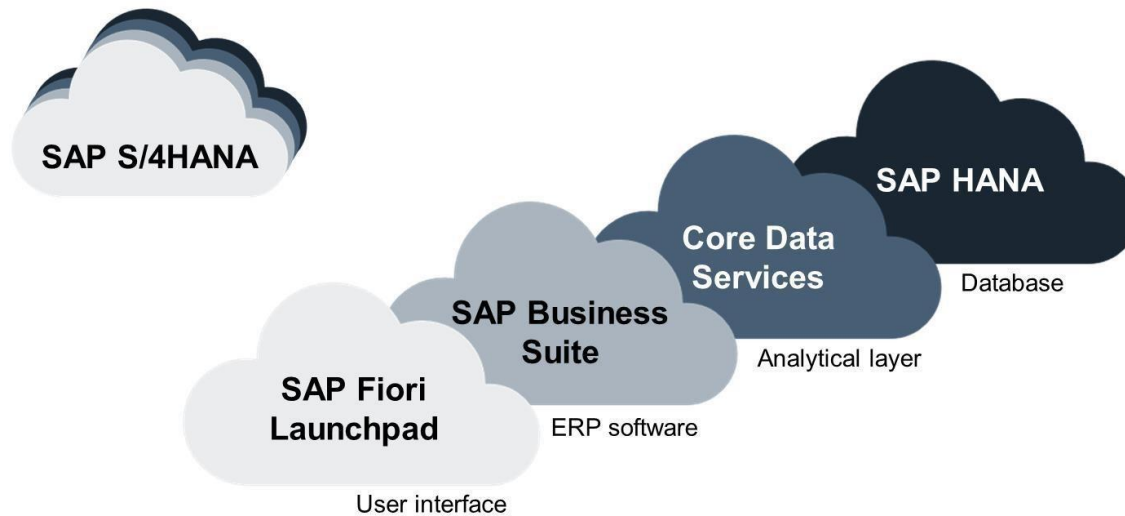


50 mins

After completing this unit, you will be able to:

- Provide an overview of SAP S/4HANA
- Define the different 2-tier ERP deployment models
- Differentiate the GROW and RISE with SAP enablement packages
- Describe the components of the GROW and RISE with SAP enablement packages
- Explain the dimensions of licensing and digital access
- Explain how the Digital Discovery Assessment helps identify the best Cloud ERP product for a customer

# SAP S/4HANA Overview



## SAP S/4HANA Overview:

- SAP S/4HANA stands for SAP Business Suite 4 the HANA Database.
- Considered the "next generation" of SAP business suite software, replacing SAP ECC.
- Serves as the digital core of an organization, functioning as the financial system of record.
- Universal journal ensures a single source of truth for financial data.
- Designed with built-in analytics, including predictive and forecasting capabilities.
- Data collected from transactions feeds into analytical applications to aid decision-making.
- Easily integrates with other SAP and third-party applications via SAP Business Technology Platform.
- Features an extensibility framework for non-developers to customize and enhance functionality.

## SAP Fiori Launchpad:

- Central entry point to SAP S/4HANA for users on mobile and desktop devices.
- Personalized home page displaying applications relevant to user's role(s).
- SAP Fiori design language ensures consistent look and feel across all apps.
- Hundreds of Fiori apps available for various lines of business and industries.
- Embedded support features like guided simulations, video tutorials, and in-context help.
- Users can personalize their view of the launchpad according to their preferences.

## Core Data Services (CDS):

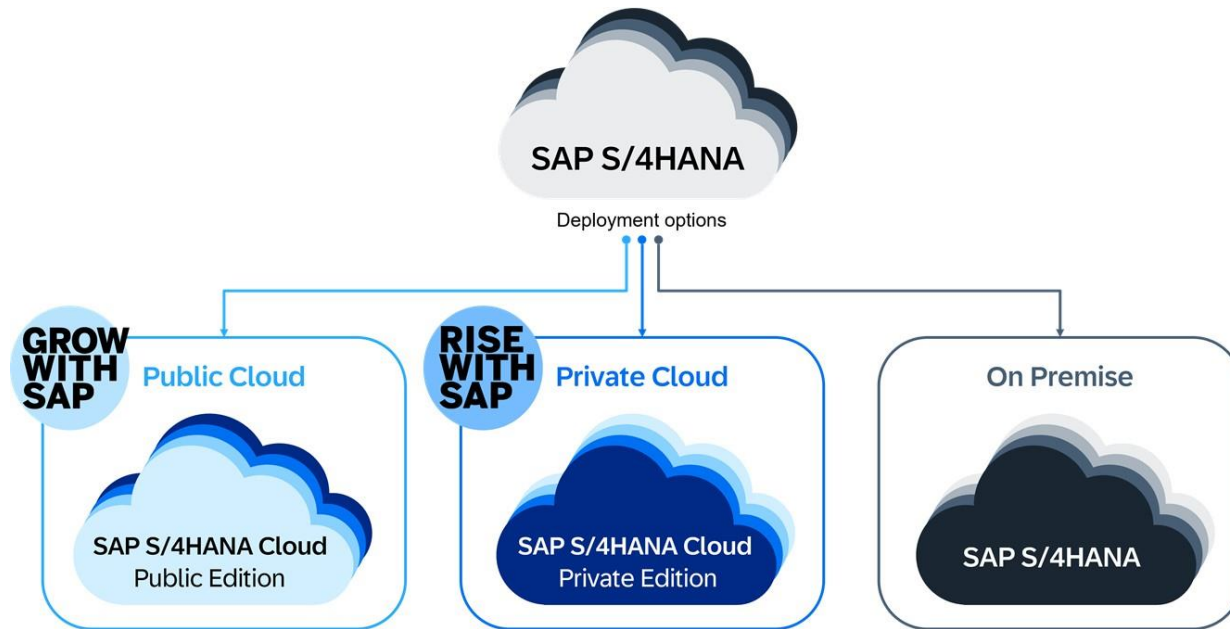
- Domain-specific languages and services for defining and consuming semantically rich data models.
- Provides a universal language for reading and processing data across applications.
- CDS views can model data for analytical purposes or generate APIs for data consumption.
- Intended for consumption by user interfaces, analytical applications, or other solutions.

## SAP HANA Database:

- In-memory, column-oriented database designed for storing, receiving, and querying data.
- Processes data stored in RAM for faster access compared to disk-based storage.
- Column-oriented structure stores all data for a single column in the same location.
- Enables faster querying and processing, especially for analytical applications and machine learning.



# How can SAP S/4HANA be deployed?



## **SAP S/4HANA Cloud Public Edition:**

- Ready-to-work business processes built on proven industry best practices.
- Semi-annual release upgrades in August and February, automatically installed by SAP.
- Enables companies to stay ahead with latest business processes and technology innovations.
- Fully extensible platform allows customization of business processes to meet evolving needs.
- Cloud architecture ensures scalability and flexibility.

## **SAP S/4HANA Cloud Private Edition:**

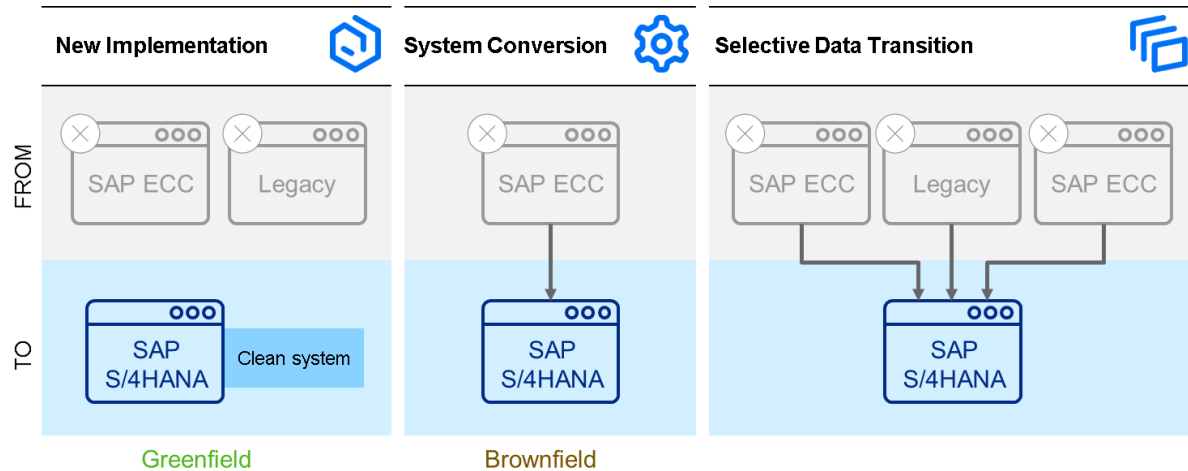
- Allows customers to move to the cloud at their own pace.
- Comprehensive library of ready-to-run business processes for easy adoption.
- Customization flexibility to tailor business processes to industry requirements.
- Annual upgrades provided by SAP, enabling customers to stay current with innovations.
- Flexibility to roll out upgrades based on customer's timeline.

## **SAP S/4HANA (On Premise) and SAP S/4HANA Cloud Private Edition:**

- Both offer same functional scope, including end-to-end line of business processes and support for all 25 industries.
- Primary difference lies in license (perpetual or subscription) and infrastructure location.
- On premise deployment requires no mandatory upgrades, while private edition requires at least 1 upgrade every 5 years to stay within mainstream maintenance.



# Implementation Methods



## 1. New Implementation / Greenfield:

- Involves setting up a completely new system from scratch.
- Ideal for organizations seeking a clean slate and standardized processes.
- Offers high flexibility for customization and optimization.

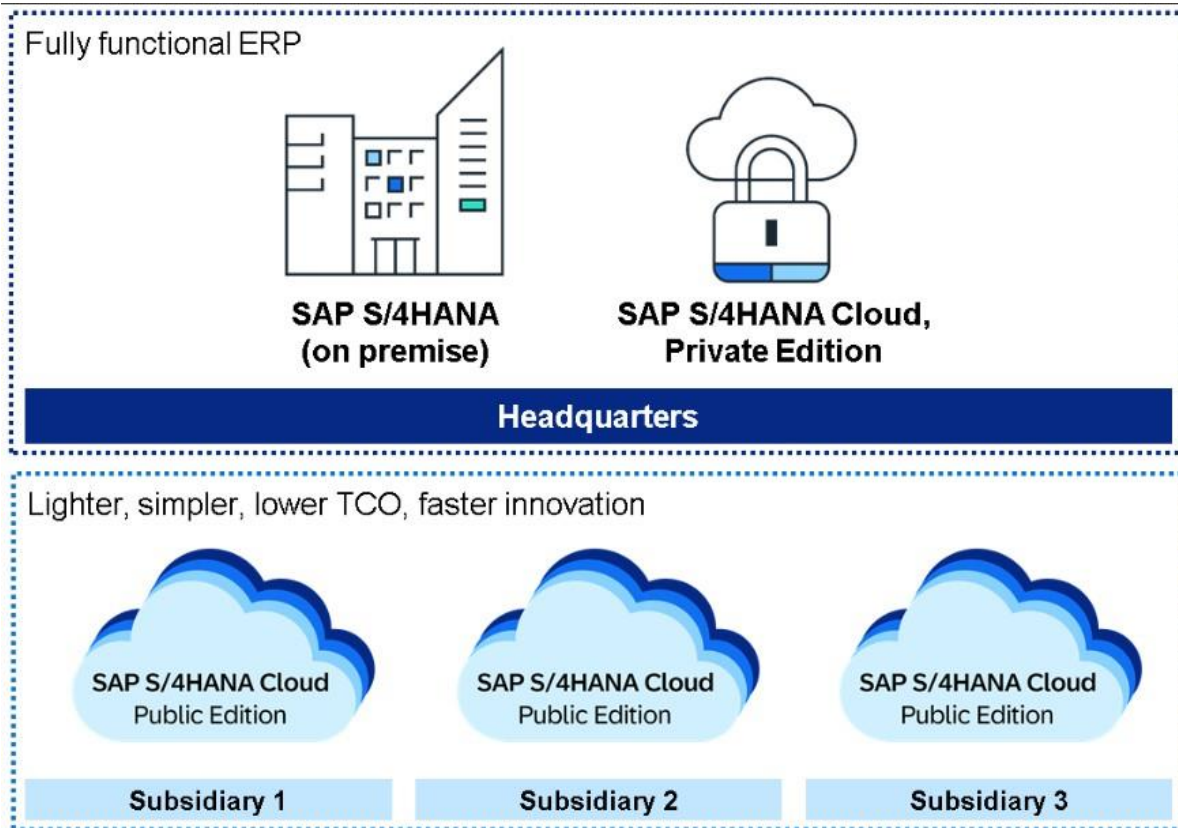
## 2. System Conversion / Brownfield:

- Involves converting existing SAP ERP system to SAP S/4HANA.
- Suitable for organizations looking to transition from their legacy system to SAP S/4HANA.
- Preserves historical data and configurations, reducing disruption during migration.

## 3. Selective Data Transition:

- Combines elements of both greenfield and brownfield approaches.
- Typically used in scenarios where certain parts of the business require a new implementation while others can be transitioned from existing systems.
- Example: Converting SAP ECC system to SAP S/4HANA Cloud Private Edition while deploying SAP S/4HANA Cloud Public Edition for specific lines of business (e.g., Professional Services).
- Enables standardization in core ERP while leveraging fast-moving and frequently updated cloud solutions for specific business areas.

# Two-Tier ERP Deployment



- **SAP S/4HANA Cloud Public Edition:**

- Offers agility for subsidiaries with low total cost of ownership.
- Tight integration with SAP S/4HANA (on premise) or SAP S/4HANA Cloud Private Edition ensures visibility and control.

- **Definition:**

- Utilizing different ERP systems at different organizational layers.

- **Scenarios:**

- **Tier 1 (Global Backbone):**

- Runs administrative ERP processes (e.g., finance) for the entire organization.

- **Tier 2 (Localized Business Needs):**

- Tailored for subsidiaries, smaller business units, or localized requirements.

- **Advantages:**

- **Standardization and Flexibility:**

- Standardizes core functions with Tier 1 while allowing flexibility for localized needs in Tier 2.

- **Agility and Cost Efficiency:**

- Enables quick deployment for subsidiaries at low total cost of ownership.

- **Visibility and Integration:**

- Tight integration with Tier 1 ensures visibility into subsidiary operations.

- **Market Drivers:**

- **Acquisitions and Divestitures:**

- Facilitates quick onboarding of new acquisitions or preparation for divestitures.

- **Standardization and Harmonization:**

- Standardizes subsidiaries on a unified platform.

- **Adaptation to Change:**

- Helps adapt to new processes, business models, or changing geopolitical situations.

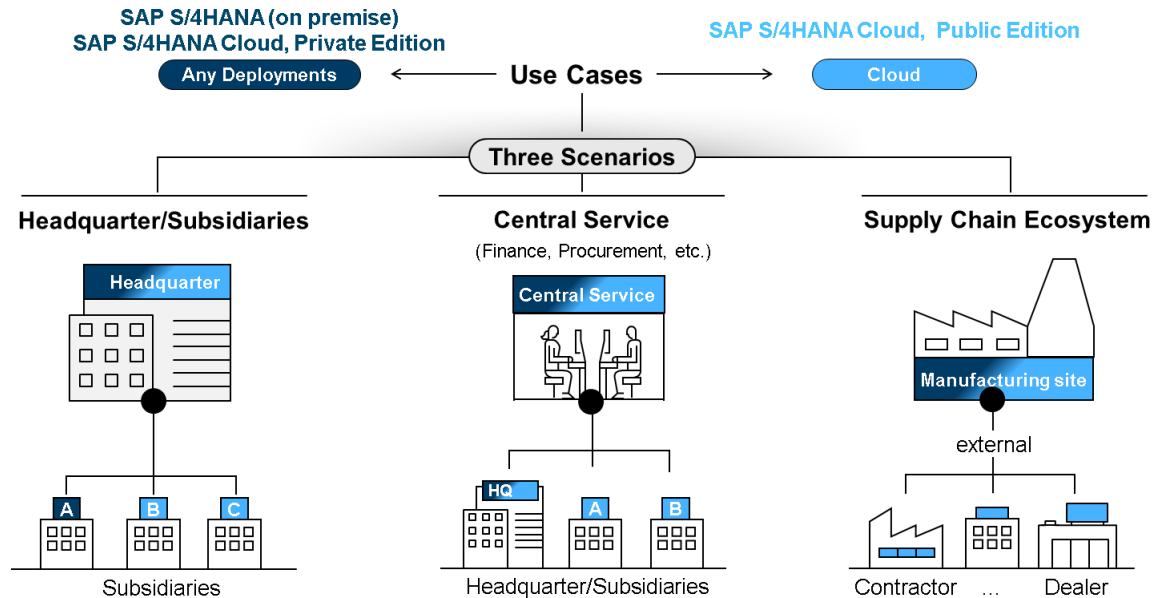
- **Centralization and Expansion:**

- Centralizes services like finance or procurement and expands through joint ventures.

- **Compliance and Regulations:**

- Prepares for changing data residency regulations and ensures compliance.

# Two-tier ERP Scenario Examples



## Headquarter and Subsidiary Scenario:

- Headquarters operates highly customizable on-premise or private cloud ERP.
- Subsidiaries utilize standardized public cloud ERP with specific scope.
- Seamless integration allows subsidiaries to maintain flexibility, focus on innovation, and onboard quickly.

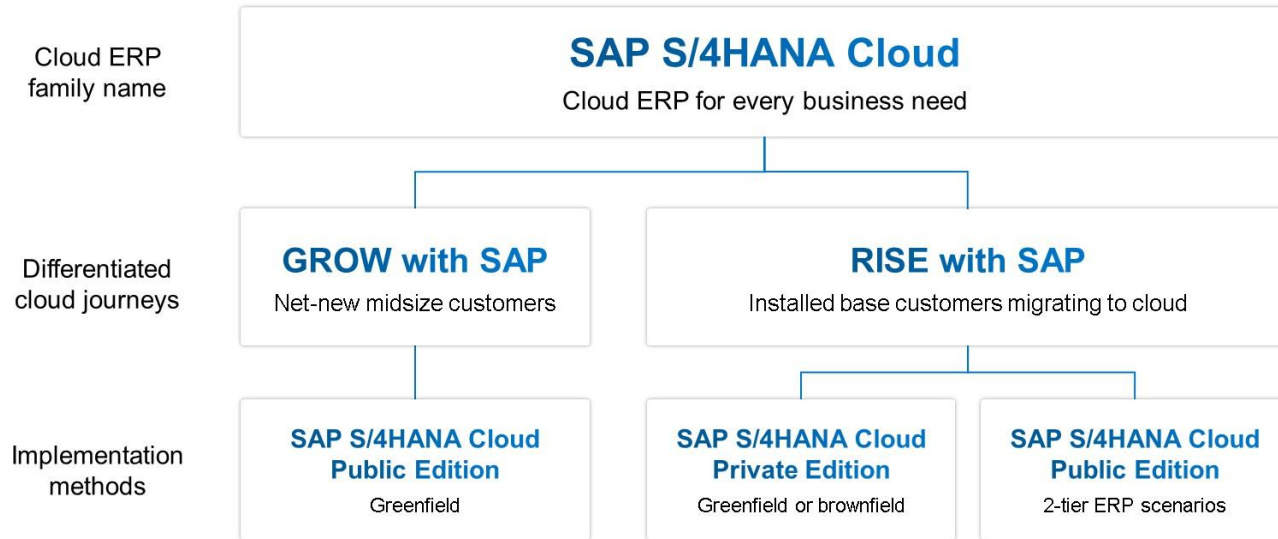
## Central Services Scenario:

- Line of business spin-off, such as finance, operates standardized public cloud ERP as "Shared Services".
- Rest of the business runs on highly customizable on-premise or private cloud ERP.
- Enables large organizations with diverse lines of business to innovate rapidly without disrupting highly customized systems.

## Supply Chain Ecosystem Scenario:

- Headquarters manages highly customizable on-premise or private cloud ERP.
- Subcontractors or dealers utilize standardized public cloud system.
- Integration forms an entire supply chain network, enhancing visibility and transparency.
- Process automation reduces manual interventions, improving efficiency across the supply chain.

# GROW with SAP and RISE with SAP



- GROW with SAP (accompanying Public Edition): Targets small and midsize customers seeking immediate adoption, providing tools, accelerated adoption services, community support, and learning resources.
- RISE with SAP (accompanying Private Edition): Supports SAP's installed base customers migrating to the cloud, offering tools and resources for greenfield, brownfield, or two-tier ERP scenarios.

## Cloud ERP Product Family Overview:

- SAP offers a modular cloud portfolio with various solutions to meet diverse industry needs.
- Customers can deploy specific modules or processes over time, allowing for adaptable and evolving Cloud ERP solutions.
- Two core products: SAP S/4HANA Cloud Public Edition and SAP S/4HANA Cloud Private Edition.
- Enablement packages: GROW with SAP for Public Edition and RISE with SAP for Private Edition, catering to different customer requirements and migration scenarios.

## SAP S/4HANA Cloud Public Edition:

- Ideal for customers desiring standardized processes, continuous innovation, and managed infrastructure.
- Delivers latest industry best practices and offers continuous updates.

## SAP S/4HANA Cloud Private Edition:

- Suited for customers requiring high customization, control over solutions, and flexibility in innovation pace.
- Tailored-to-fit cloud ERP accommodating unique organizational transformations.



# Digital Discovery Assessment

The screenshot displays the SAP Digital Discovery Assessment interface. On the left, a sidebar shows the 'Supply Chain of Selling' and 'Discovery' sections. The main area is titled 'Add Opportunity' and contains three steps: Step 1 (Customer Information), Step 2 (Countries & Industry), and Step 3 (High level scope). A callout box highlights the 'Simulation result: Solution guidance would be SAP S/4HANA Public Cloud'. Below this, a button labeled 'Simulate Sol. Approach' is visible. To the right, a panel titled 'Example Customer (Public Cloud)' shows details for a demo record, including country, creation date, industry, and solution approach. A 'Process Status' section shows a flow from 'Quick Qualification' to 'Detailed Discovery'. A blue arrow points from the 'Simulate Sol. Approach' button to the 'Open Digital Discovery' button at the bottom right.

The Digital Discovery Assessment (DDA) is a critical tool in the sales cycle for identifying customer requirements and matching them with the most suitable SAP S/4HANA Cloud solution. It is conducted during the Discover phase of the SAP Activate Methodology implementation roadmaps for both SAP S/4HANA Cloud Public Edition and SAP S/4HANA Cloud Private Edition.

## Quick Qualification:

- High-level assessment capturing key customer information.
- Involves stakeholders like the CIO, CTO, or equivalent roles.
- Key factors assessed include:
  - Existing or net-new customer status.
  - Plan for moving to SAP S/4HANA (new implementation or system conversion).
  - Countries in scope.
  - Industry area.
  - Finance-led ERP or Operational ERP focus.
  - Two-tier ERP scenario.
  - Number of Full User Equivalents (FUEs).
- In some cases, automated recommendations may not be provided, and SAP experts review the Detailed Discovery Assessment for the best-fit solution determination.

## Detailed Discovery in New Implementations:

- Comprehensive assessment gathering detailed information about integrations, ERP business process requirements, localizations, and expected user count.
- Pre-selection packages available for different scenarios:
  - Baseline: Covers key end-to-end processes in Sales, Finance, and Procurement.
  - Finance-Led ERP: Focuses on financial management best practices.
  - Service Centric ERP: Includes project and service-related capabilities for service-oriented industries.
  - Product Centric ERP: Provides capabilities for make-to-stock-based production.
- Each business process can be customized in terms of priority, rollout phase, and additional requirements.
- Completed DDA proposes either public or private cloud deployment as the best-fit solution.

# Digital Discovery Assessment Report



The Digital Discovery Assessment (DDA) Report is a crucial document generated after the completion of the DDA process. It serves as a comprehensive summary of the assessment findings and recommendations, providing essential information for defining the project scope during the Prepare phase of the SAP Activate Methodology. Here's an overview of the contents typically included in the report:

## 1. Integration and Extension Requirements:

- Details of any known integration and extension needs identified during the assessment process.

## 2. Localizations and Legal Entities:

- Information regarding the localization requirements and legal entities relevant to the customer's operations.

## 3. Functional Business Area Coverage:

- Breakdown of the percentage of business scenarios (scope items) selected in each functional business area. This helps in understanding the breadth of coverage across different business domains.

## 4. Selected Business Processes:

- List of individual business processes selected for inclusion in the solution, along with their descriptions and significance to the organization.

## 5. Business Process Prioritization:

- If applicable, the priority assigned to each business process and the implementation phase in which it will be rolled out. This aids in planning the phased implementation approach.

## 6. Customer Questions and Notes:

- Any questions or notes raised by the customer regarding specific business processes, along with the corresponding answers provided by the sales account team.

## 7. Additional Requirements:

- Details of any additional business process-related requirements identified during the assessment, beyond the standard scope items.

## 8. Detailed Project-Related Questions:

- Comprehensive responses to project-related questions, addressing various aspects such as timelines, resource requirements, and implementation approach.

# Implementing with a Cloud Mindset



6 Lessons



1 hr 10 mins

After completing this unit, you will be able to:

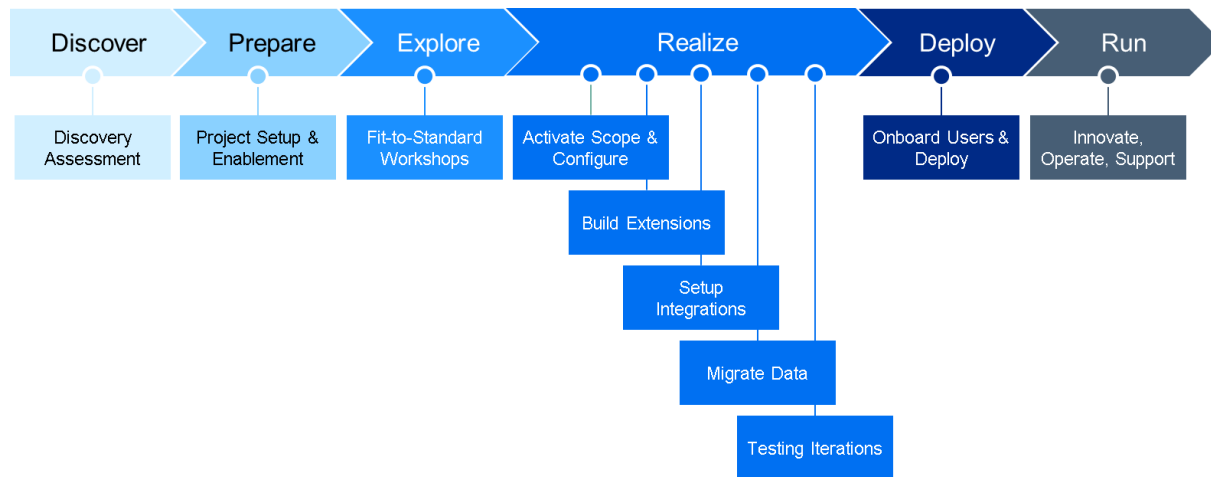
- Define the characteristics of the cloud mindset
- Identify how to consume the SAP Activate methodology through SAP Cloud ALM
- Explore the SAP Best Practice solution processes in SAP Signavio Process Navigator
- Identify the capabilities of the SAP Cloud Integration Suite
- Explain the clean core concept
- Define the different types of extensibility and the relevant tools
- Manage organizational change successfully

# Cloud Mindset Overview

- 1 Follow the SAP Activate Methodology using SAP Cloud ALM to complete implementation tasks
- 2 Use predefined Solution Scenarios from SAP Signavio Process Navigator
- 3 Connect applications with cloud integration technologies
- 4 Follow the Clean Core Strategy
- 5 Manage organizational change throughout the project



# SAP Activate Implementation Phases



## 1. Discover:

- This phase involves the initial sales process where the customer decides to adopt SAP S/4HANA Cloud. The Digital Discovery Assessment helps identify the most suitable SAP Cloud deployment option for the customer's requirements.

## 2. Prepare:

- The implementation project officially begins in this phase. It focuses on planning, preparation, and setting up the necessary systems for the implementation tasks ahead.

## 3. Explore:

- Fit-to-Standard Analysis workshops are conducted during this phase. Partner consultant experts and customer experts collaborate to review predefined business processes in SAP S/4HANA Cloud. The goal is to identify configuration values and gather customization requirements.

## 4. Realize:

- In this phase, partner consultants implement and configure the identified business processes based on the outcomes of the Fit-to-Standard workshops. User acceptance testing (UAT) is conducted to ensure that the configured processes meet the customer's requirements before finalizing them.

## 5. Deploy:

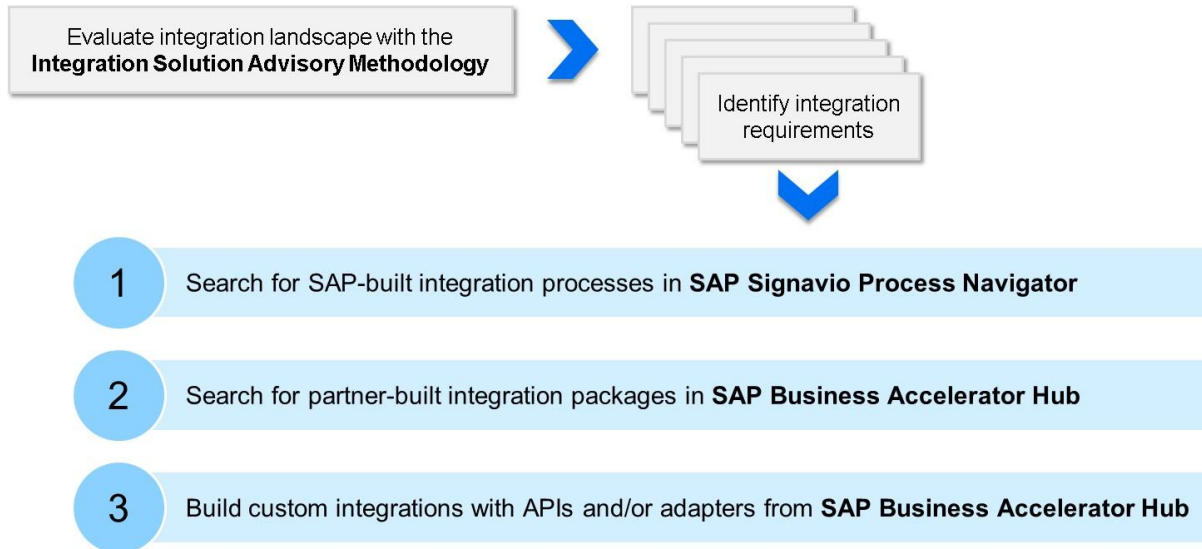
- System cutover activities are performed in this phase, where partner consultants transition the system from the implementation environment to the production environment. The customer confirms organizational readiness before the system is fully deployed.

## 6. Run:

- Once the system is deployed, the customer enters the operational phase. They are responsible for maintaining the system and ensuring its ongoing functionality. Additionally, they utilize operations apps in SAP Cloud ALM (Application Lifecycle Management) to monitor integration and overall system health. This phase also includes future release upgrades to keep the system up to date with the latest features and enhancements.

# Exploring SAP's Cloud Integration Technologies

## Cloud Integration Technologies



### 1. **Integration Solution Advisory Methodology (ISAM):**

- ISAM is a framework provided by SAP to help customers assess their landscape and develop new integrations. It guides customers in evaluating their integration requirements and selecting the appropriate tools and approaches.

### 2. **Prepackaged Integration Solutions:**

- Customers can explore prebuilt integration solutions available in SAP Signavio Process Navigator. These solutions are developed by SAP using the SAP Integration Suite and run on the SAP Business Technology Platform. Customers can find setup instructions to activate these integrations in their SAP S/4HANA Cloud system. SAP is responsible for maintaining these integration packages.

### 3. **Custom Integrations:**

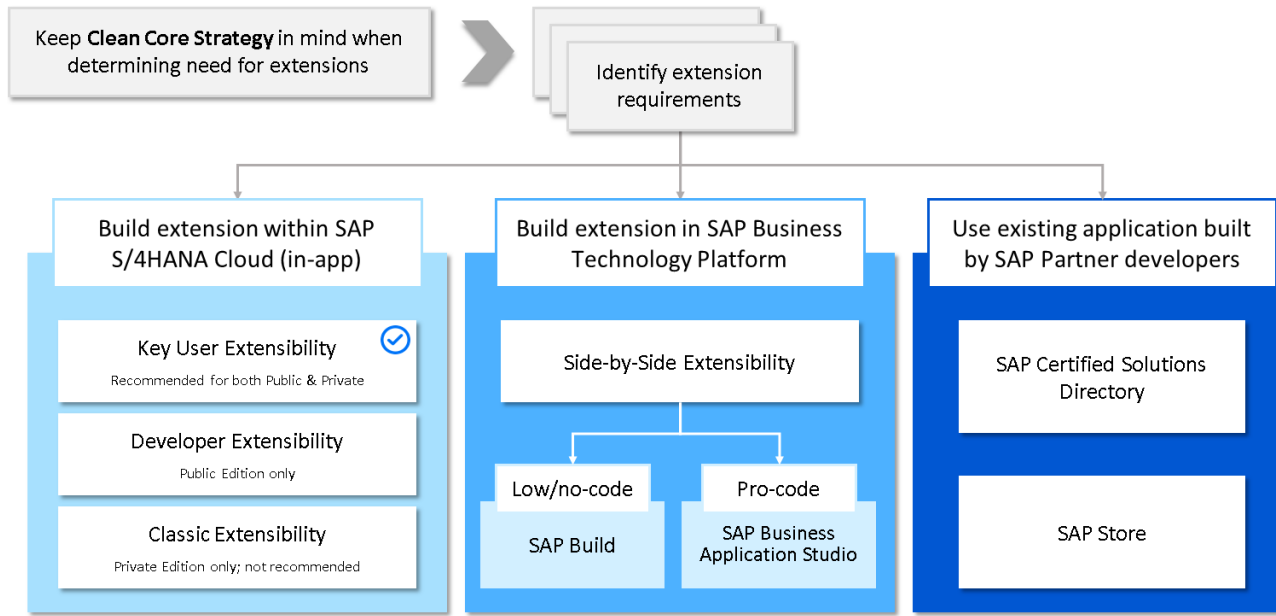
- If prepackaged integrations don't meet the requirements, customers can opt for custom integrations. SAP provides a library of integration packages, APIs, adapters, and other resources in the SAP Business Accelerator Hub. These resources are built using technologies compatible with the SAP Business Technology Platform, such as the SAP Integration Suite. Developers can leverage APIs from this library to build custom integration packages tailored to specific needs.
- Whether using prepackaged or custom integrations, customers are responsible for maintaining the integrations. However, SAP takes responsibility for maintaining the platform (SAP Business Technology Platform) where the integrations reside.

### 4. **Monitoring and Operations:**

- After implementing integrations, customers can monitor their performance and health using SAP Cloud ALM operations apps. These apps help track the integration's status and ensure smooth operation.

# Utilizing the Clean Core Strategy and Extensibility Tools

## Extensibility Types and Tools



### Side-by-Side Extensibility:

- **Description:** Hosts custom extensions on the SAP Business Technology Platform and integrates them with SAP S/4HANA Cloud.
- **Tools:** SAP Build for low/no-code app creation by business users, SAP Business Application Studio for classical coding by developers.
- **Recommendation:** Recommended for more complex extensions after exhausting key user extensibility options.

### Key User Extensibility:

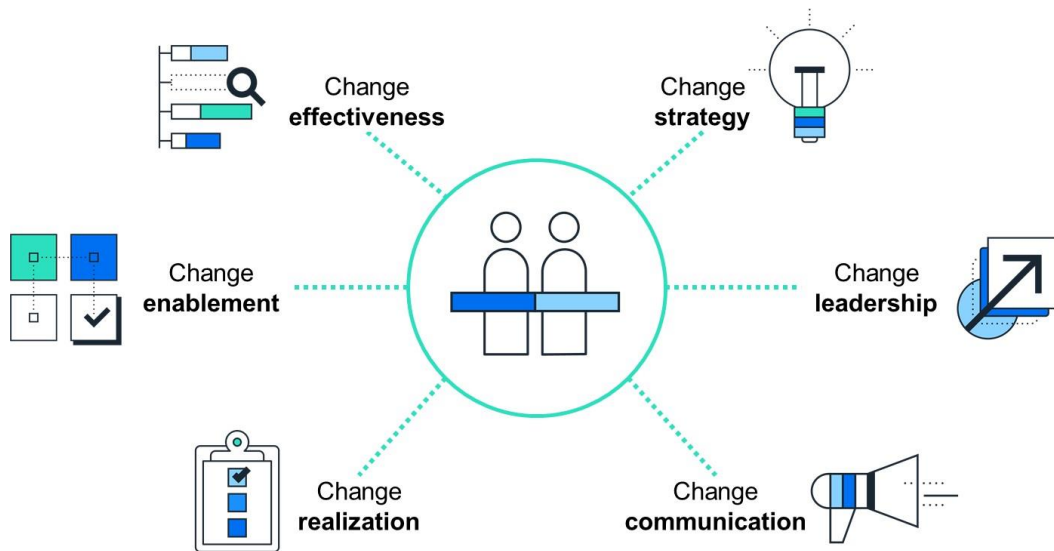
- **Description:** Allows key users to add custom fields, logic, and other extensions to SAP S/4HANA Cloud without developer knowledge.
- **Tools:** SAP Fiori apps on the launchpad facilitate the creation of extensions.
- **Deployment:** Available for all deployments of SAP S/4HANA.
- **Process:** Extensions are built in the customizing tenant of the development system and moved to other systems through transports.
- **Availability:** Most SAP Fiori extensibility apps are available for all deployments, with some differences.
- **Recommendation:** Recommended to exhaust key user extensibility options before considering other approaches.

### Developer Extensibility:

- **Description:** Allows developers to make changes to released SAP objects with upgrade-stable ABAP code.
- **Deployment:** Only possible for SAP S/4HANA Cloud Public Edition (3-system landscape).
- **Process:** Changes are made in the development tenant of the development system, which is controlled to allow changes to specific SAP objects.
- **Recommendation:** Recommended to exhaust key user extensibility options first, then move to side-by-side extensibility for more complex extensions.



# SAP's Organizational Change Management Framework



1. **Change Strategy**: This dimension outlines the direction of change management activities, providing a blueprint for managing complex changes across various entities, locations, and countries during a digital transformation project.
2. **Change Leadership**: It focuses on identifying and implementing appropriate mechanisms to manage individuals and groups affected by or influencing the project's success. The aim is to foster a shared positive attitude towards the changes.
3. **Change Communication**: This dimension emphasizes the importance of providing the right message to the right people at the right time. It involves systematic planning, implementing, monitoring, and revising all communication activities within the project to engage stakeholders effectively.
4. **Change Realization**: Here, the focus is on identifying and managing changes associated with the digital transformation across relevant stakeholder groups. This includes addressing changes related to skills, business processes, technology, organization, and mindset to facilitate a smooth transition.
5. **Change Enablement**: This dimension involves providing comprehensive training for users throughout the transformation process. It includes developing role-based user training tailored to meet specific user needs as the system is rolled out.
6. **Change Effectiveness**: This dimension encompasses activities aimed at measuring the effectiveness of OCM activities supporting the digital transformation. It focuses on criteria such as organizational readiness, user adoption and satisfaction, and user behavior after go-live to enhance adoption and overall success.

# Implementing SAP S/4HANA Cloud Public Edition



# Introducing SAP S/4HANA Cloud Public Edition

 1 Lesson  20 mins

After completing this unit, you will be able to:

- Provide an overview of SAP S/4HANA Cloud Public Edition characteristics
- Explain how the lines of business interact with one another in the overall scope

# SAP S/4HANA Cloud Public Edition Overview



**New user experience**



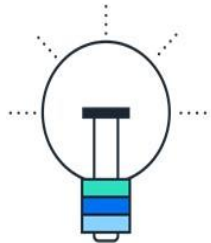
**Lowest SaaS-based TCO**



**Pre-configured best practices**  
to realize results right away



**Market-leading localization**



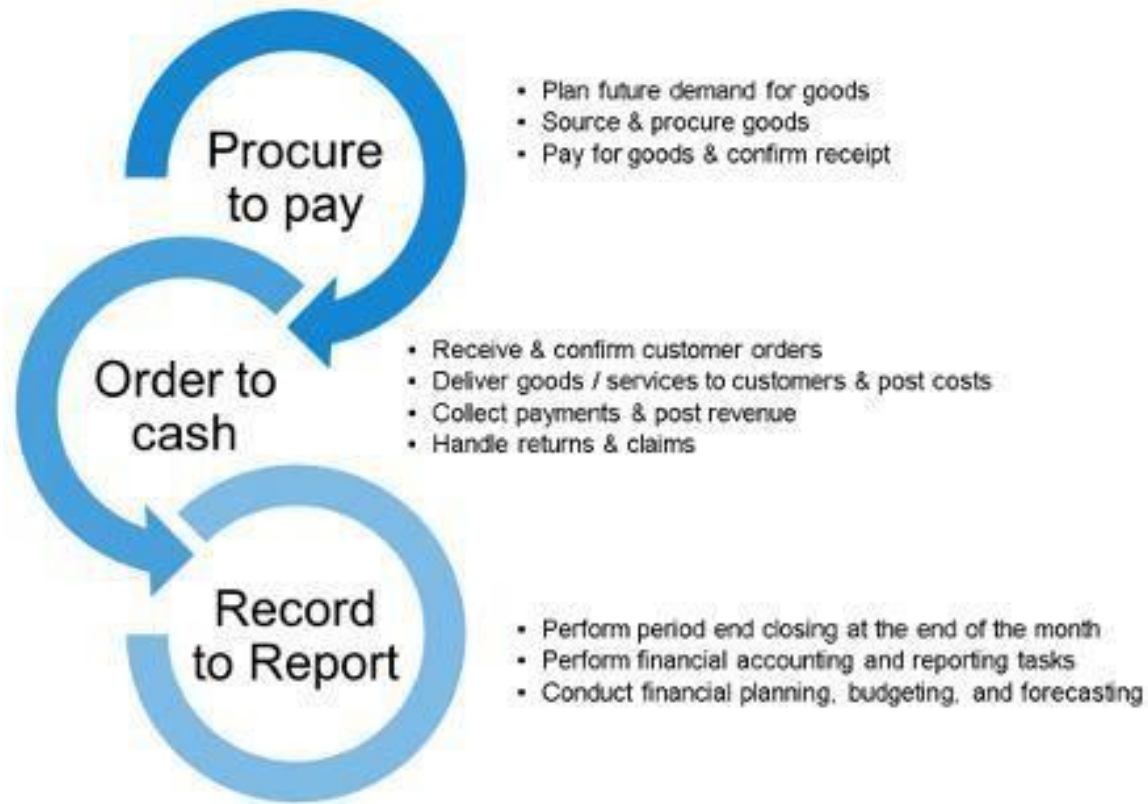
**Continuous feature delivery**



**Unmatched time-to-value** to  
deliver on business priorities

# Solution Scope and Business Process Story

## Finance-led administrative ERP



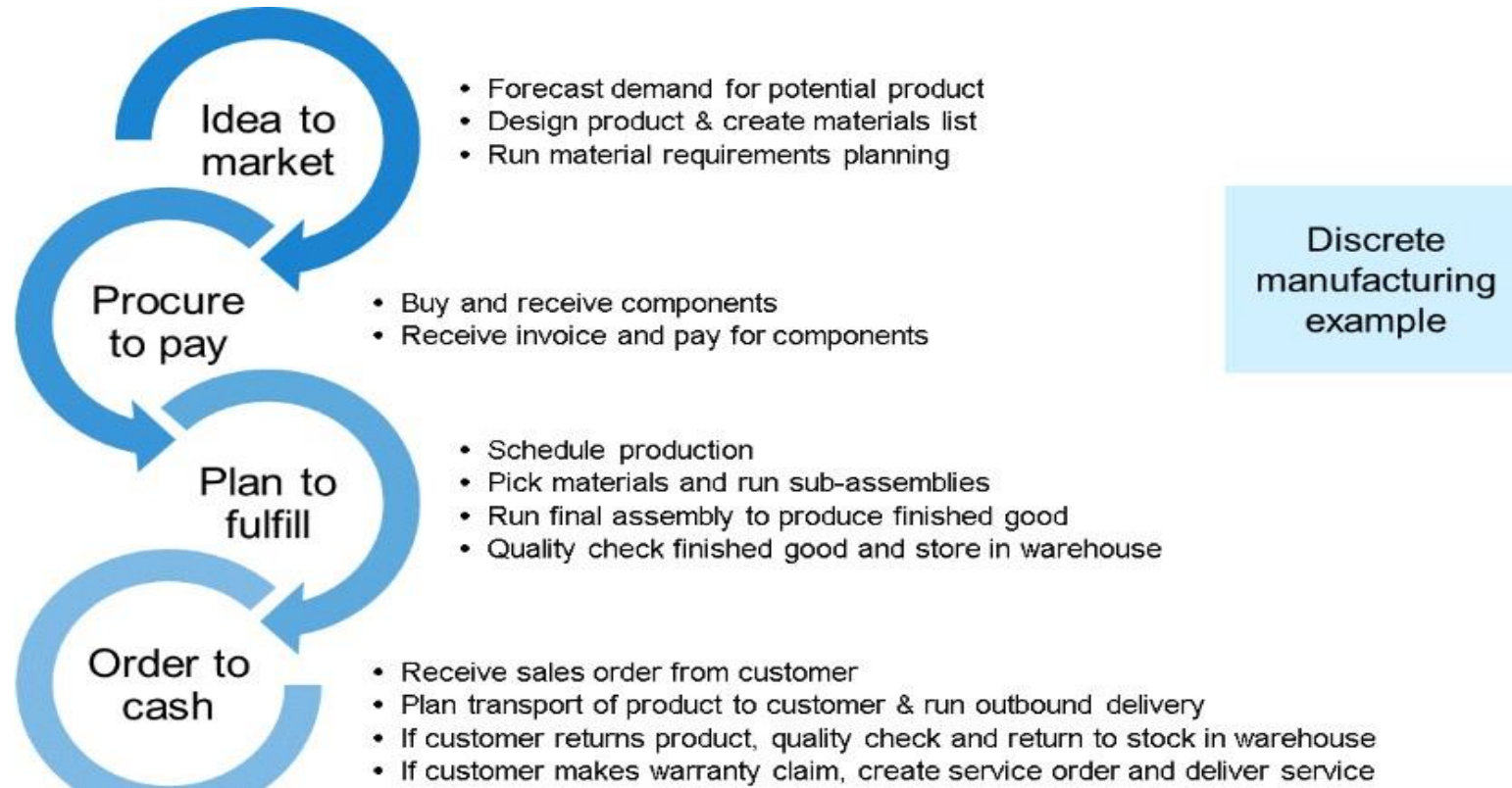


# Service-Centric Industries



**Selling consulting services** and delivering on those services is covered with the business processes in the **Professional Services LoB**. If we sell **technical services**, for example when a technician from your internet provider comes to our location to fix or replace a faulty modem, these are covered by business processes in the **Service LoB**.

# Product-Centric Industries



# Building the Implementation Team

 2 Lessons  20 mins

After completing this unit, you will be able to:

- Describe the key stakeholders
- Explain the roles and responsibilities of each member of the SAP S/4HANA Cloud Public Edition implementation team

# Key Stakeholders

SAP Activate Methodology Phases



**Executive Sponsors** (Customer & Partner / SAP)



**System Admin & Extended Project Team** (Customer)



**Implementation Project Team** (Partner / SAP)



**Consumers** (Customer)

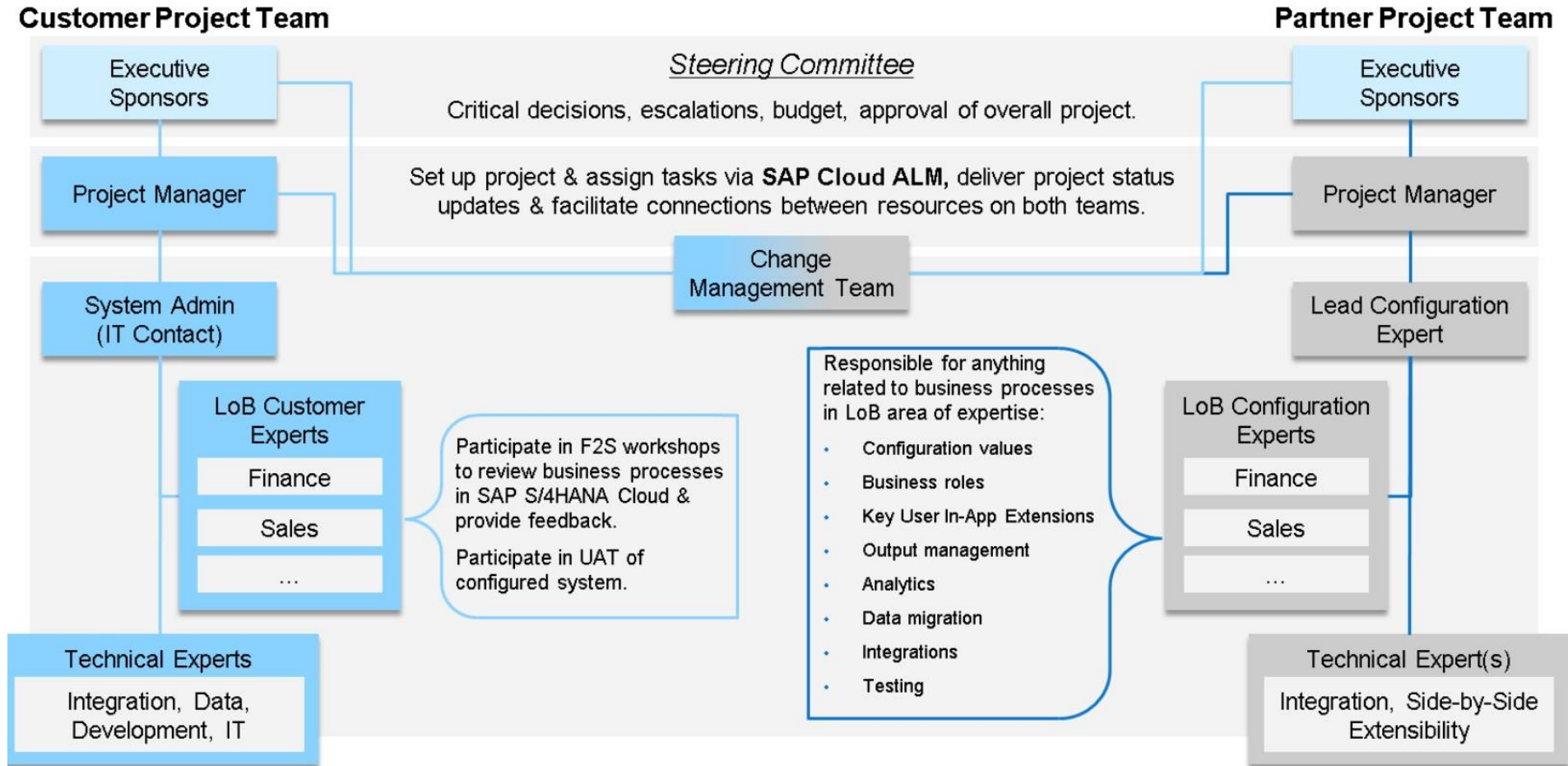
## Customer Executive Sponsors:

- Individuals in roles such as Chief Technology Officer (CTO), Chief Information Officer (CIO), or similar positions within the organization.
- They play a crucial role in building the business case, working with sales personnel, and making the purchase decision.

## IT Contact Role:

- The IT Contact role is significant for system administration and provisioning tasks.
- If no specific individual is chosen during the contract signing, the default assignee is the signer (CTO, CIO, or similar).
- The assignment of this role can be changed at a later point in time.

# Roles and Responsibilities



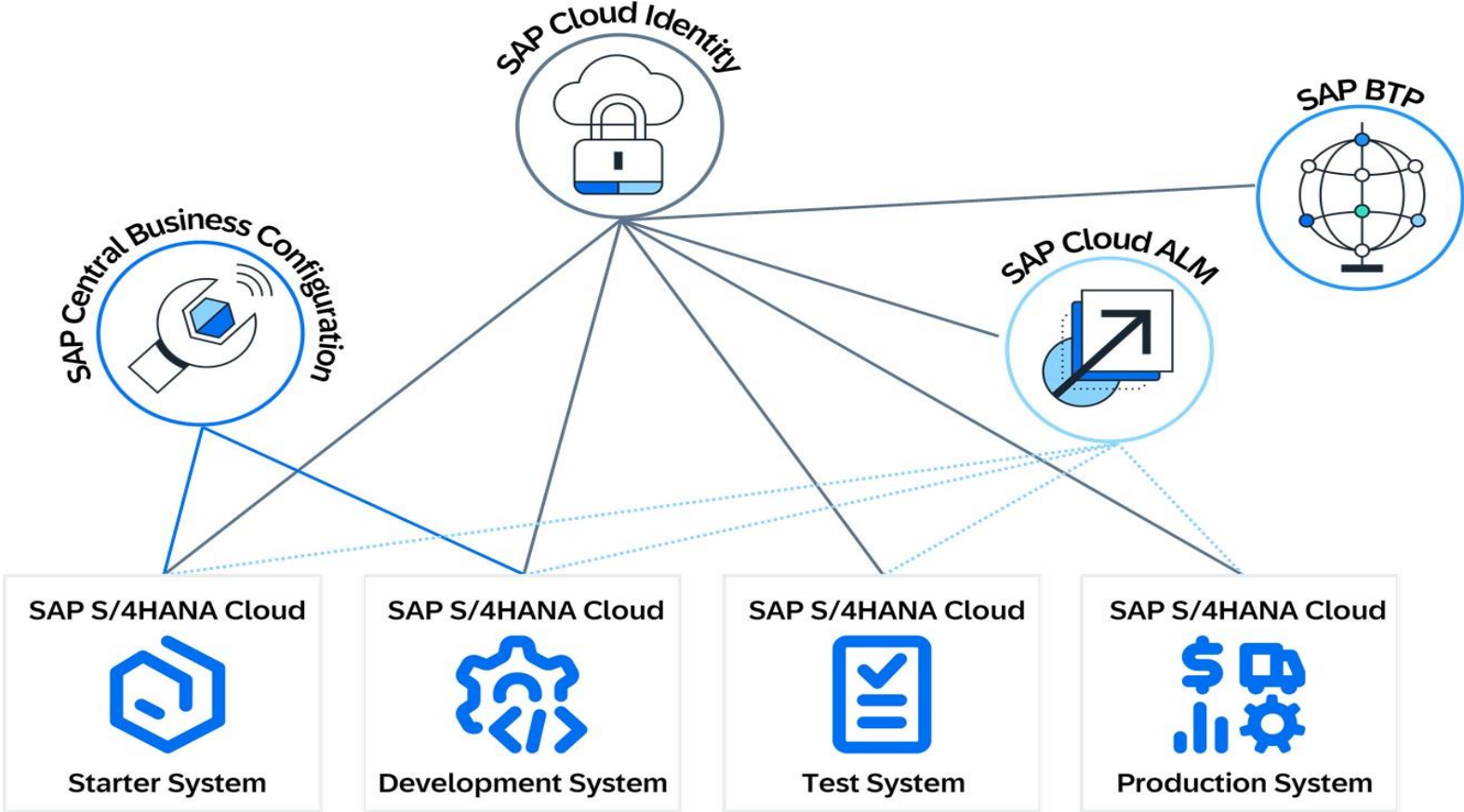
# Defining System Landscapes

 2 Lessons  50 mins

After completing this unit, you will be able to:

- Get familiar with the system landscapes used to implement SAP S/4HANA Cloud Public Edition
- Identify additional system landscapes relevant to SAP S/4HANA Cloud Public Edition
- Get familiar with the SAP S/4HANA Cloud Public Edition release upgrade schedule
- Learn how to use important release upgrade resources

# Landscape Overview






# Landscape Overview




- **Trial System:**
  - Shared landscape for guided tours.
  - 14-day free trial.
- **Starter System:**
  - Preconfigured for Fit-to-Standard Workshops.
  - Aligns with SAP Best Practices.
- **3-System Landscape (3SL):**
  - Introduced in August 2022 (release 2208).
  - Development, Test, and Production systems.
  - Facilitates complex on-stack extensions.
  - **Development System:**
    - Client tenants: Dev (080) and Customizing (100).
    - ABAP environment for developers.
    - Fiori extensibility for key user.
  - **Test System:**
    - Validates configurations and extensions.
  - **Production System:**
    - Imports configurations and extensions for productive use.



# SAP for Me

 SAP for Me

Search



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DASHBOARDS

Customer Success

Finance & Legal

Partner Solutions

Partnership

Products & Portfolio

Sales & Marketing


Services & Support

Systems & Provisioning

Users & Contacts

Welcome Ellie,

Edit



Welcome to SAP for Me

Go ahead and customize your home page however you like using Edit mode. We have added some sample content to get you started.

Got it

Tutorial

What is SAP for Me?

SAP for Me Authorizations

Favorites (6 entries)

All Favorite Types

TITLE	TYPE
★ 678378	SAP Notes & KBAs
★ 6783780	Support by Software Product Pages
★ A4C8976	System

Quick Access Partnership

Overview

My Partnership, Partnership Tracks,...

Proficiency

Product Authorization Fulfillment,...

Grouping & Affiliates

Partner Company

SAP Ariba

Service Requests

Product Information and Documentation

Release Readiness

Product Notifications

Discussion Forums

Customer Influence

Quick Access Services & Support

Knowledge Base

SAP Notes, SAP Hot News, ...

Product Support


Cases, Expert Chat, Service Requests,...

Support Engagements

Your Support Engagement Information

Cases

Overview by status



Collapse Sidebar

## SAP for Me mobile app

iOS



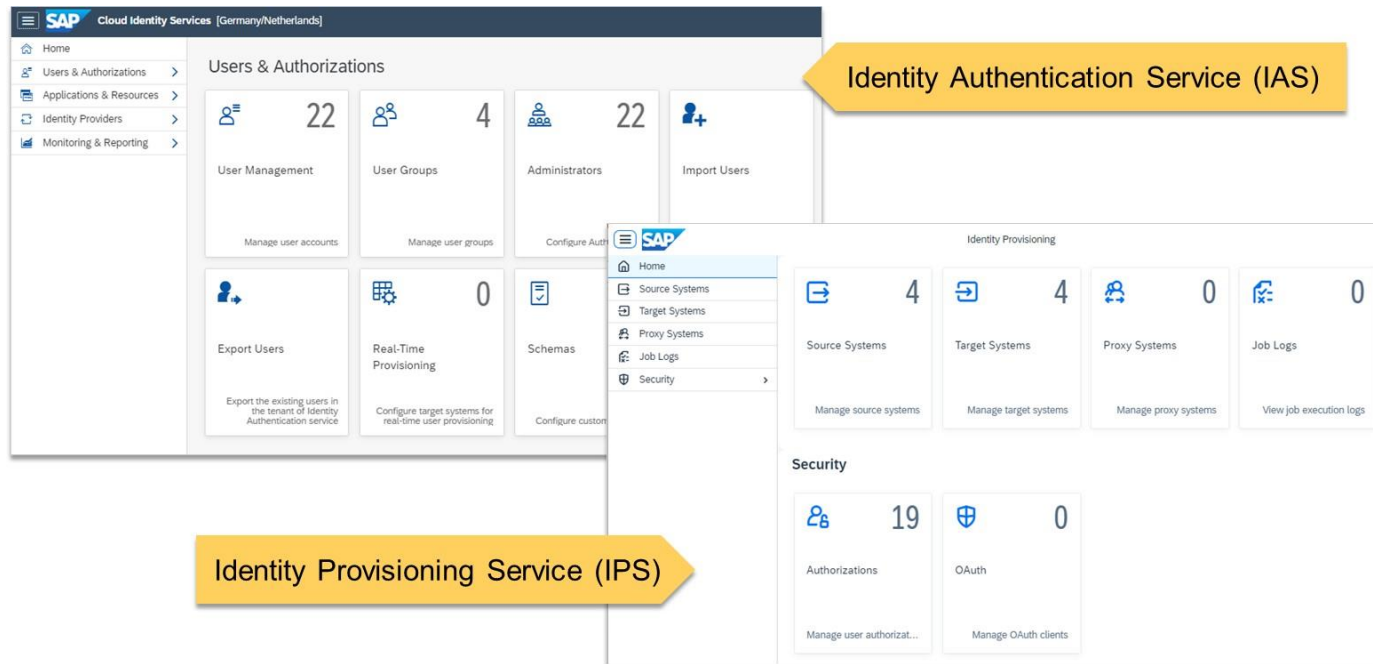
Android



Android  
For Chinese Market



# SAP Cloud Identity Services



## Authentication:

- Provides authentication services for SAP cloud and on-premise applications.
- Supports single sign-on for a seamless user experience.

## User Management:

- Manages user identities, enabling efficient user lifecycle management.
- Integrates with existing identity and access management systems.

## Provisioning:

- Facilitates identity provisioning to diverse applications.
- Manages authorizations to ensure secure and controlled access.

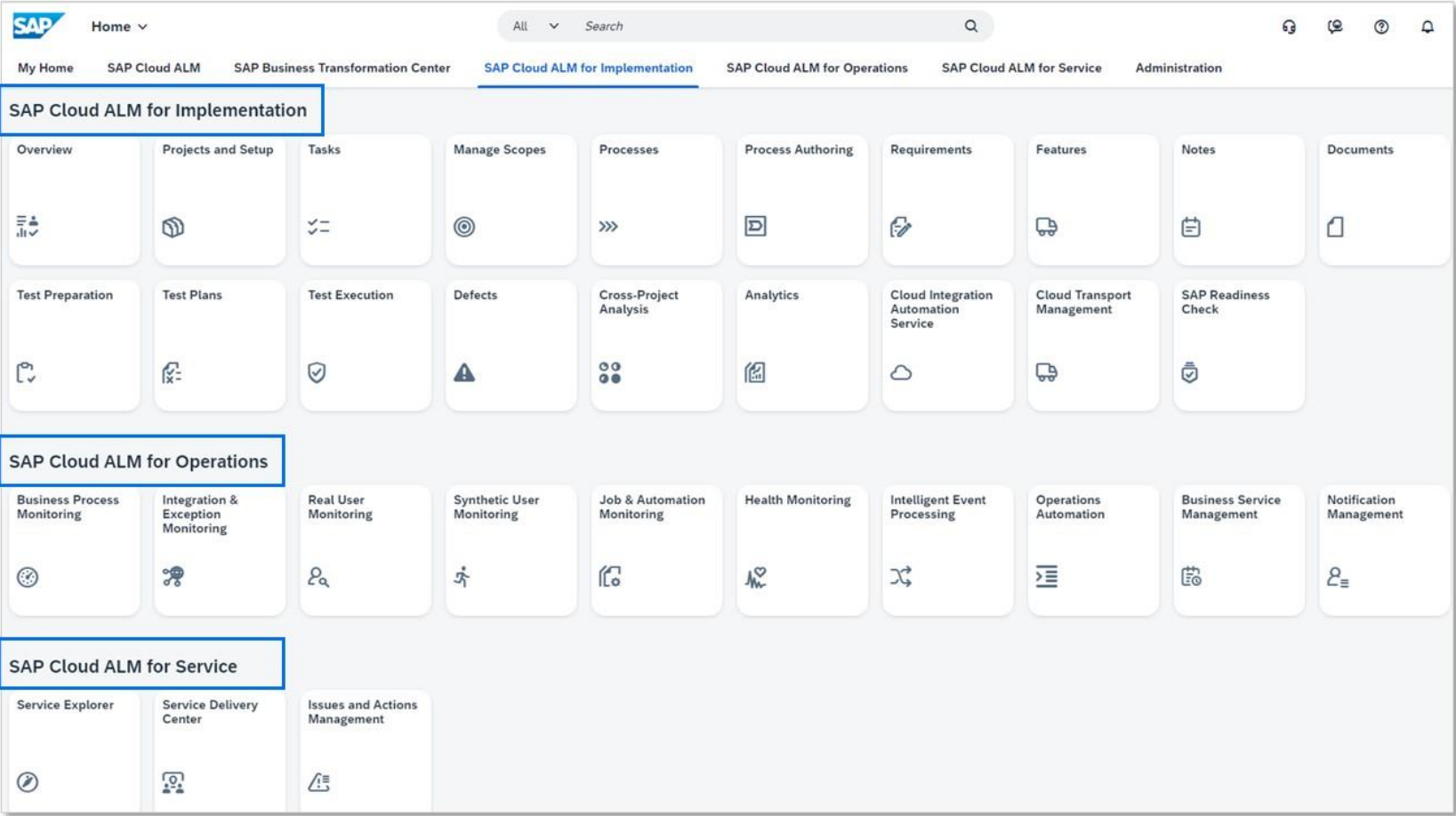
### • Identity Authentication Service (IAS):

- Cloud service for authentication, single sign-on (SSO), and user management.
- Acts as an identity provider or integrates with existing SSO infrastructure.

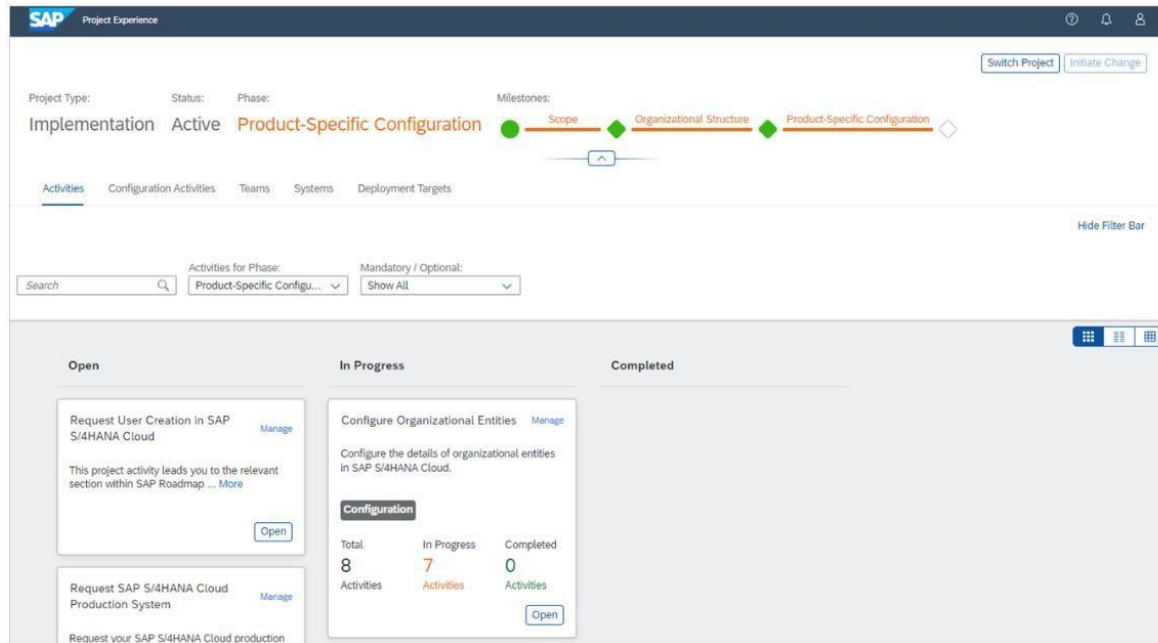
### • Identity Provisioning Service (IPS):

- Comprehensive, cost-effective approach to identity lifecycle management in the cloud.
- Facilitates provisioning of identities and their authorizations to various applications.

# SAP Cloud ALM



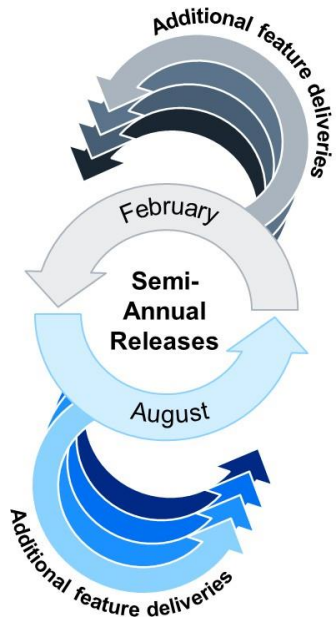
# SAP Central Business Configuration



## SAP Central Business Configuration:

- Tool used to activate business process content in different local versions.
- Defines core finance settings affecting the entire system.
- Builds customer's organizational structure and configures values for active business processes.
- Runs on SAP Business Technology Platform, connected to SAP S/4HANA Cloud starter and development system tenants.
- Exclusive support for SAP S/4HANA Cloud Public Edition at present.
- Guides users through Project Experience to activate business processes.
- Activities grouped into phases, each ending with a milestone.
- Supports selection and activation of new business processes during release upgrades.
- Moves projects to phase for process selection and guides through activation activities.
- Business content automatically released to SAP S/4HANA Cloud development system for further transport to test and production systems.

# The SAP S/4HANA Cloud Public Edition Release Cycle



Release **YY****MM**.X

— Last two digits of year (e.g. 2024)  
— Numerical month (e.g. August = 08)  
— New feature reference

Example

Release **2408.2**

**August 2024**, reference to the second **feature delivery**

## Release Strategy:

- Shifted to semi-annual releases from 2022.
- Continuous Feature Deliveries (CFD) introduced between major releases.
- Faster delivery of new capabilities with reduced disruption for customers.
- Allows immediate activation of new features or activation at the next major release.

## Release Reference:

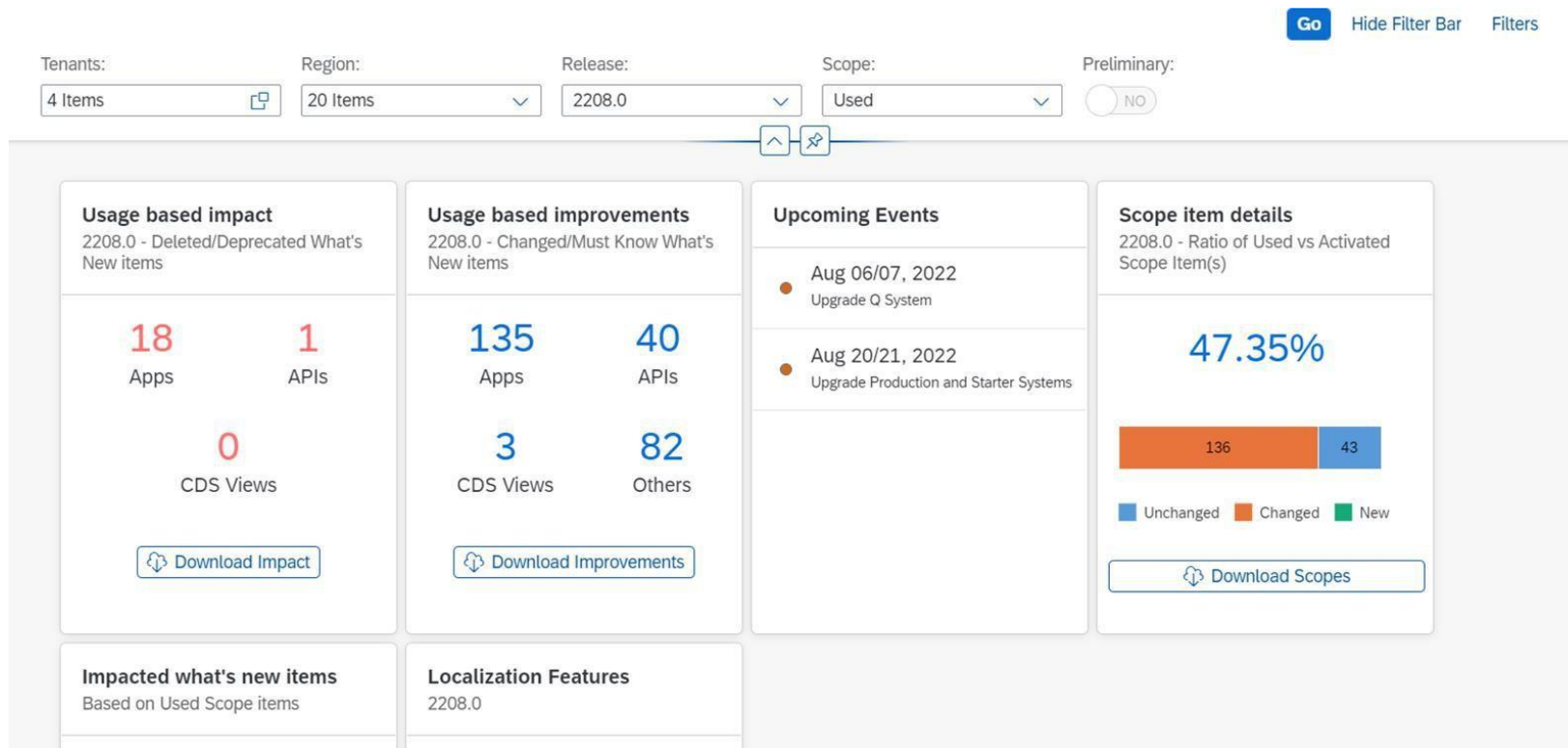
- Format: YYMM (last two digits of the year and numerical month).
- CFD updates denoted by a suffix (e.g., 2202.1, 2202.2).

## Activation of New Features:

- Utilizes SAP Fiori Activate New Features app in the launchpad.
- Feature activation is optional for customers.
- Testing in the Test system is required before activating in the Production system.
- Activation is not transported and cannot be deactivated once activated.



# Release Assessment and Scope Dependency (RASD) Tool 2.0



- Personalized tool for customers to understand scope changes.
- Focuses on changes to existing scope, new functionalities, and deprecated functionality.
- Accessible with S-user ID or through SAP for Me in the Portfolio & Products dashboard.

# Setting up Systems and Authorizations

 4 Lessons  1 hr 30 mins

After completing this unit, you will be able to:


- Review the communications delivered to customers after purchasing SAP S/4HANA Cloud Public Edition
- Provision systems in SAP for Me
- Create users and grant access in SAP Cloud Identity
- Set up the implementation project in SAP Cloud ALM
- Deploy content in SAP S/4HANA Cloud Starter System
- Create users and grant access to the SAP S/4HANA Cloud Public Edition starter system tenants



# Onboarding Communication Journey

## Purchase Confirmation

The customer contact receives a purchase order confirmation email within 24H of signing contract.




**Thank you for your recent purchase!**

Thank you for selecting SAP to help your company become a best-run business. This email confirms your order with SAP.


Customer ID	[ID]
Reference Case ID	[Case]
Purchase Order #	[PO]

- If you are not the person responsible for this purchase, please call the [Customer Interaction Center \(CIC\)](#) so that we can update our records and ensure future notifications are sent to the right contact.
- Should you require a reference number on your upcoming invoice, please [email us](#) the information.


**Next Steps**



Check out our [Onboarding Resource Centers](#) for implementation guidance on your SAP solutions. Please share this link with your project team.



Inform your project team about [Help Portal](#) resources, such as product documentation and learning journeys (top right of screen).



Contact the [CIC](#) if you have not received your [S-User ID](#) which grants you access to various SAP tools, such as [SAP for Me](#), that provides key information on your SAP product portfolio.

## Contract Start Date

The customer contact receives a Welcome email with next steps.




**Welcome to RISE with SAP S/4HANA Cloud!**

Dear [name]

Let's get you onboarded with your RISE with SAP S/4HANA Cloud solution and ensure that you have the right resources for a smooth start.

Your onboarding journey consists of 3 phases which will be detailed in the Onboarding Webcasts (details below). In the meantime you can get familiar with the documentation we share on our dedicated [onboarding resource center](#).



The diagram shows three phases: 1. Welcome & Introduction (System provisioning, Support landscape, Key Project Roles), 2. Project Readiness (SAP Activate Methodology, SAP Activate & Cloud Partner, Configuration and system & Business Process design, Innovation Delivery, SAP Support), 3. Guidance & Enablement (Embedded Help & Training, Influencing SAP, Learning Framework, SAP Employee Support & Thought Experiences).

**Essentials to Get You Started**

**Your Transition Plan**  
Get started with your RISE with SAP offering and find resources for a smooth onboarding experience.  
[Get Started](#)

**Onboarding Webcasts**  
We invite you and your colleagues who are implementing SAP solution to join one of our live onboarding webcasts.  
They're about 40-45 minutes of presentation covering resources available to you to get started followed by minutes of Q&A. The replay and the presentation will be available after the session for your reference.  
Please see the global schedule. We encourage you to add calendar reminder and include the appropriate link to join the session.  
[View Schedule and Register](#)

The same information from this email is documented in the **Customer Onboarding Resource Center**.

**Support**[My Support](#)[Products](#)[Tools](#)[Maintenance](#)[Offerings & Programs](#)[ALM](#)[Explore SAP](#)

[Onboarding Resource Center](#) / RISE with SAP

**SAP S/4HANA Cloud, public edition** [Overview](#) [Welcome](#) [Project Readiness](#) [Project Guidance](#) [Project Progress](#) [Go-Live Preparation](#)

SAP S/4HANA Cloud, public edition  
Onboarding Resource Center



Let's Get Started Together  
[Access Onboarding Webinars](#)

# System Provisioning in SAP for Me

**SAP for Me** Search

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Finance & Legal

Partner Solutions

Partnership

Products & Portfolio

Sales & Marketing

Services & Support

**Systems & Provisioning**

Users & Contacts

**Systems & Provisioning**

Overview Systems Availability **Provisioning** Connectivity Keys System Measurement

Products Available for Provisioning (0 entries)

Product: [Dropdown] Customer: [Dropdown]

BPO End Customer: [Dropdown]

Search [Input] [Icon] [Icon]

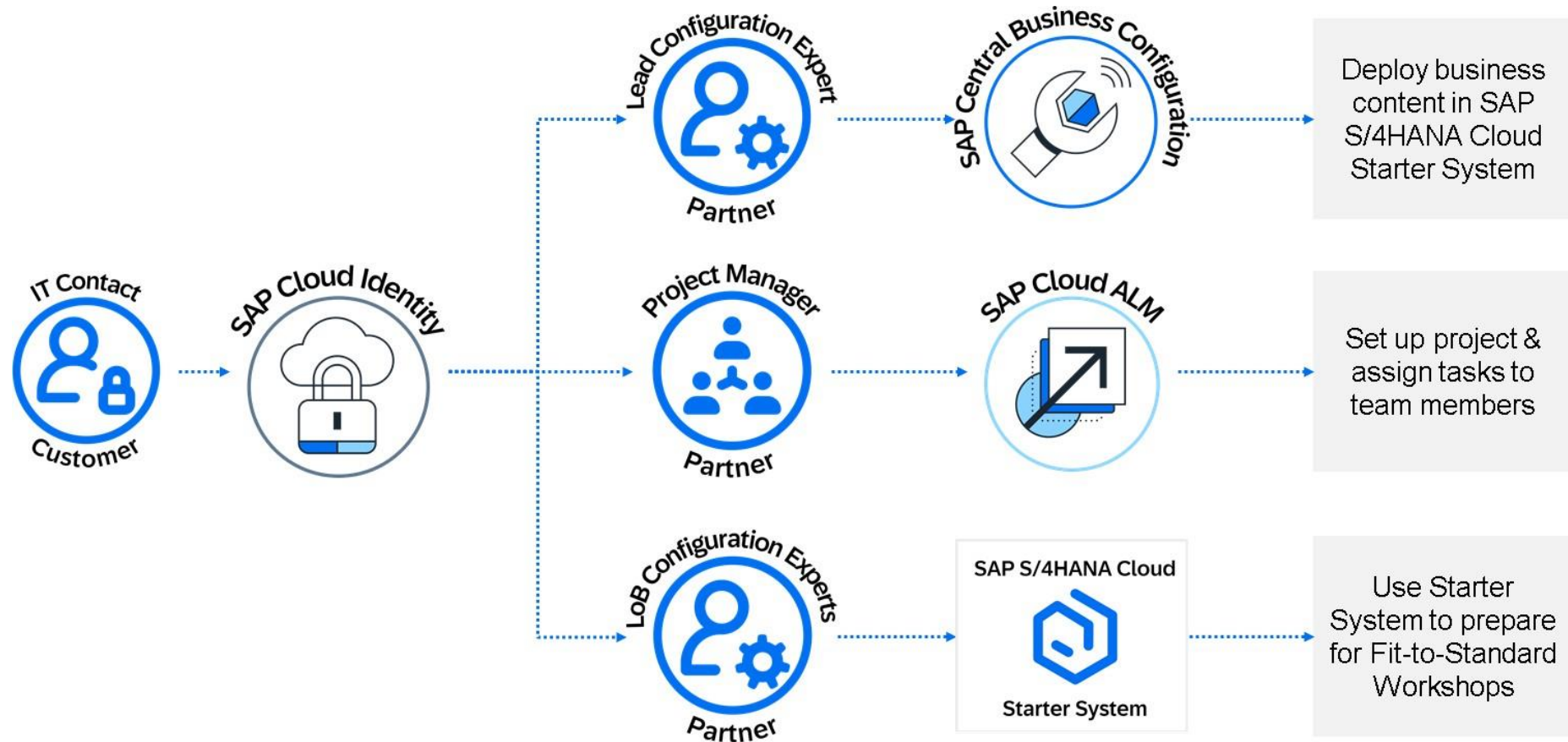
PRODUCT	ENTITLEMENT ROLE	DATA CENTER PREFERENCE	CONTRACT START	CUSTOMER	BPO END CUSTOMER	ENTITLED MATERIALS	
> Embedded Launch Activities (4)	Customer Demo	System Determined	16.03.2023 End: 15.03.2026	SAP Test Account - aPaul P... 1208936	SAP End Customer Test 3000000		Start Provisioning
> Embedded Launch Activities (4)				SAP Test Account - aPaul P... 1208936	SAP End Customer Test 3000000		Start Provisioning
SAP Cloud ALM	Production	European Union	30.06.2019 End: 30.09.2020	SAP Test - Prokesch Pharm... 1527516	SAP End Customer Test 3000000	Materials	Start Provisioning
SAP Central Business Configuration	Production	European Union	30.06.2019 End: 30.09.2020	SAP Test - Prokesch Pharm... 1527516	SAP Test - Prokesch Pharm... 20689359	Materials	Start Provisioning
SAP S/4HANA Cloud	Starter Customizing	System Determined	05.09.2022 End: 04.09.2023	SAP TEST ACCOUNT - Paul... 1208936	SAP Test BPO End Custom... 1000000	Materials	Start Provisioning
SAP S/4HANA Cloud	Development Customizing	System Determined	05.11.2022 End: 04.12.2023	SAP TEST ACCOUNT - Paul... 1208936	SAP Test BPO End Custom... 1000000	Materials	Start Provisioning
SAP S/4HANA Cloud	Test	System Determined	05.09.2022 End: 04.09.2023	SAP TEST ACCOUNT - Paul... 1208936	SAP Test BPO End Custom... 1000000	Materials	Start Provisioning
SAP S/4HANA Cloud	Production	European Union	30.06.2019 End: 30.09.2020	SAP Test Account - aPaul P... 1208936	SAP Test BPO End Custom... 1000000	Materials	Start Provisioning

Feedback

The customer IT Contact triggers provisioning

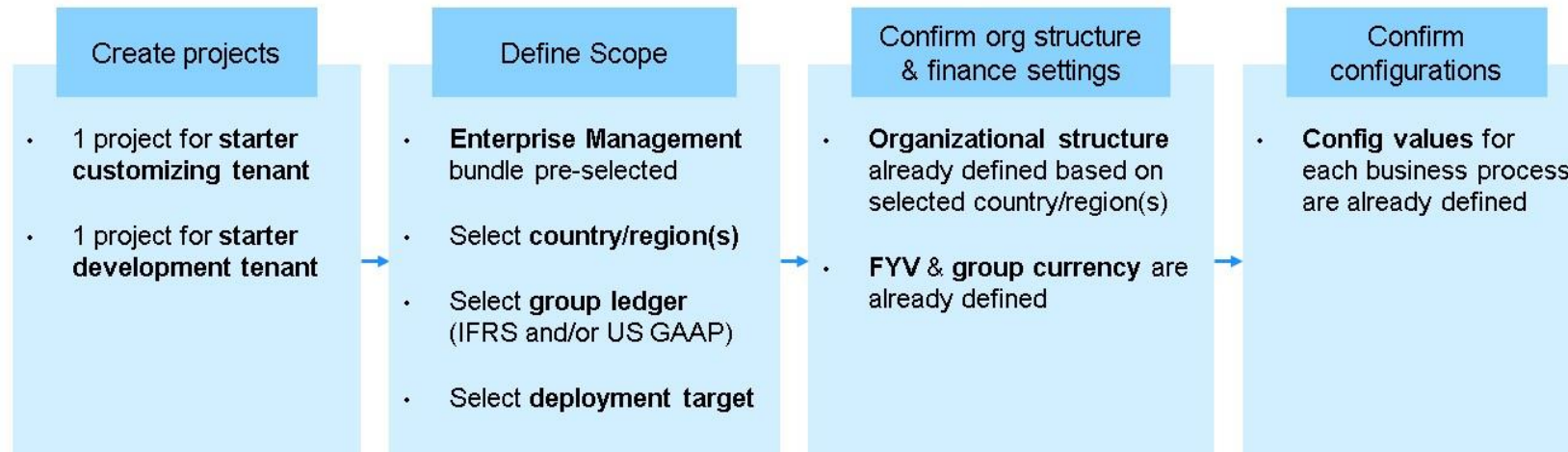
1. SAP Cloud ALM
2. SAP Central Business Configuration
3. SAP S/4HANA Cloud Starter System
4. SAP S/4HANA Cloud Development System
5. SAP S/4HANA Cloud Test System
6. SAP S/4HANA Cloud Production System

# User Creation and Permission in SAP Cloud Identity (for CBC)



[Start Exercise](#)

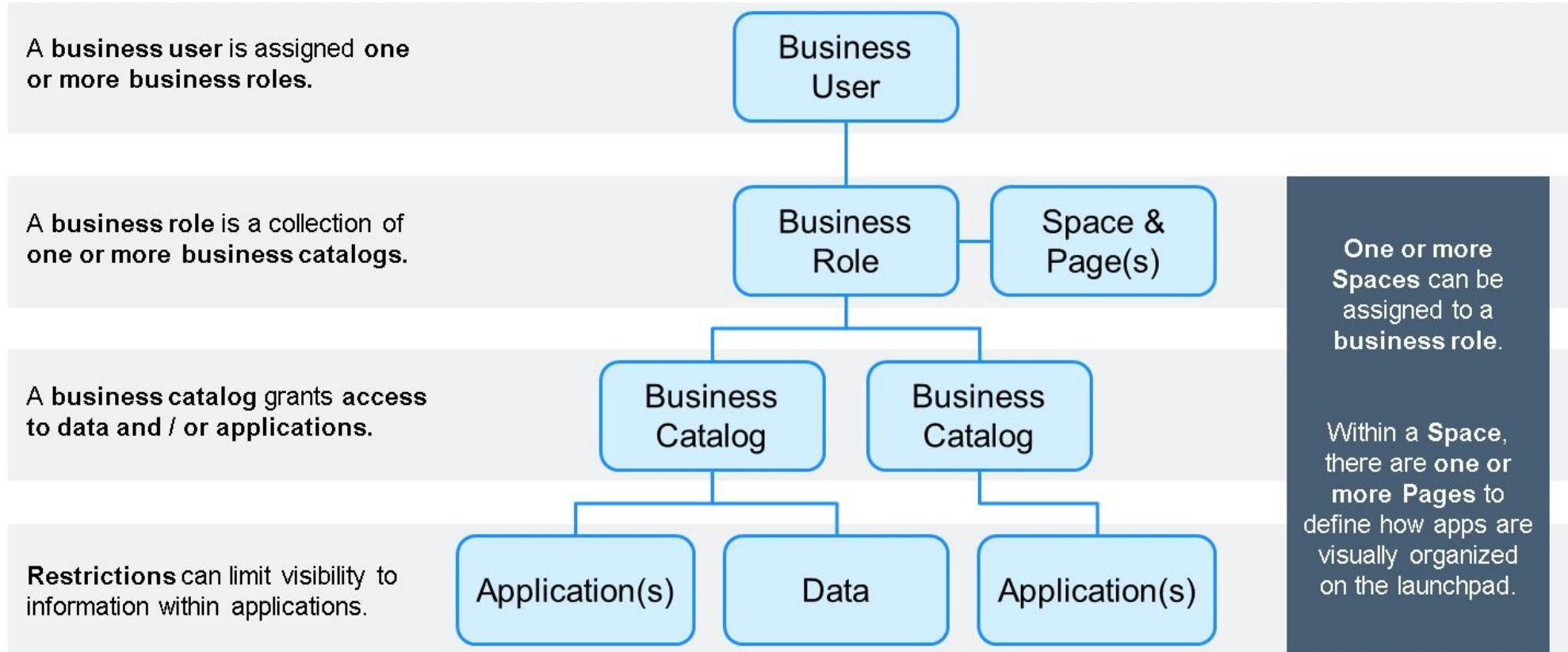
# Content Deployment in the SAP S/4HANA Cloud Starter System



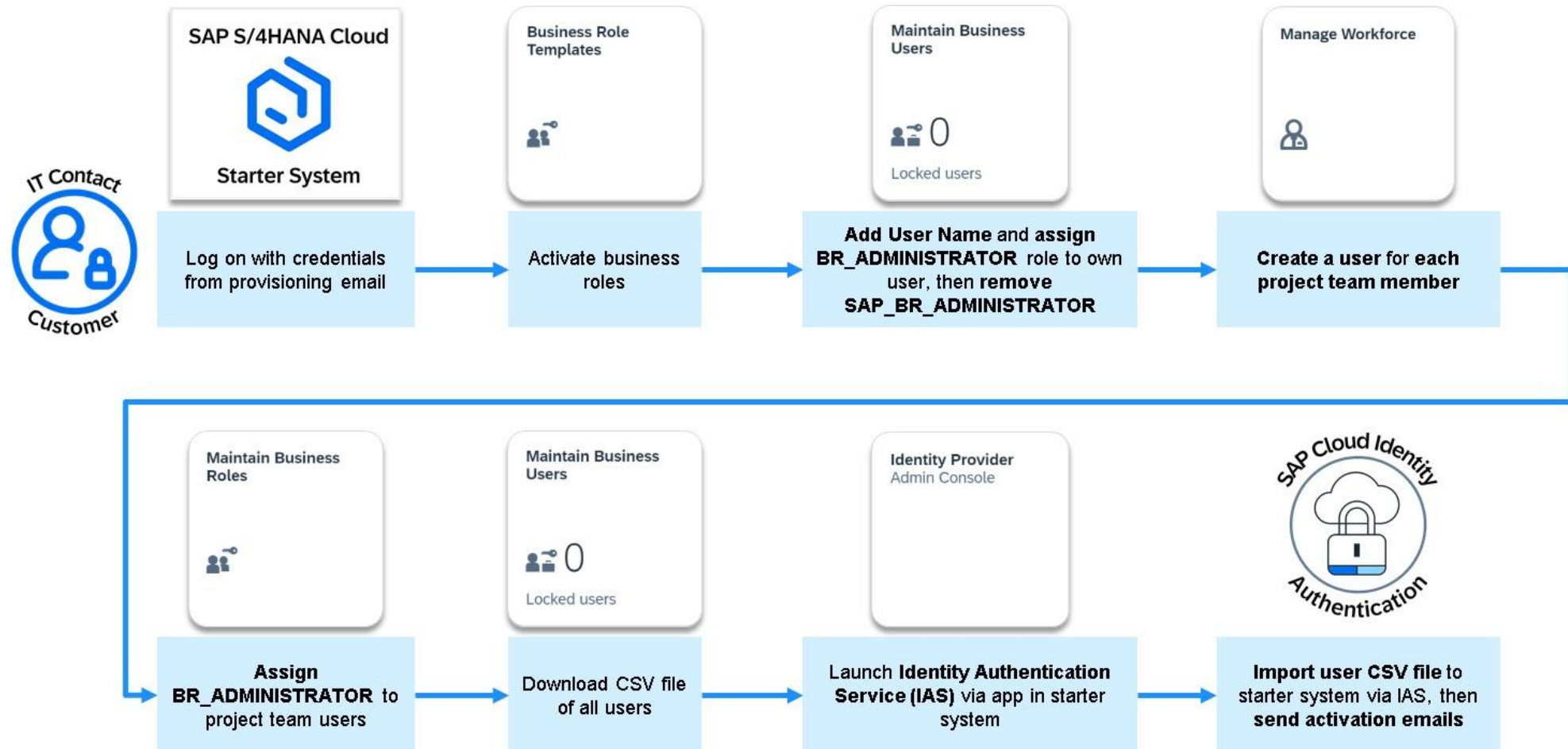


# User Creation and Authorization in the SAP S/4HANA Cloud Starter System

## Role-Based Authorization in SAP S/4HANA Cloud



# Overview of creating users and assigning permission in the SAP S/4HANA Cloud Starter System





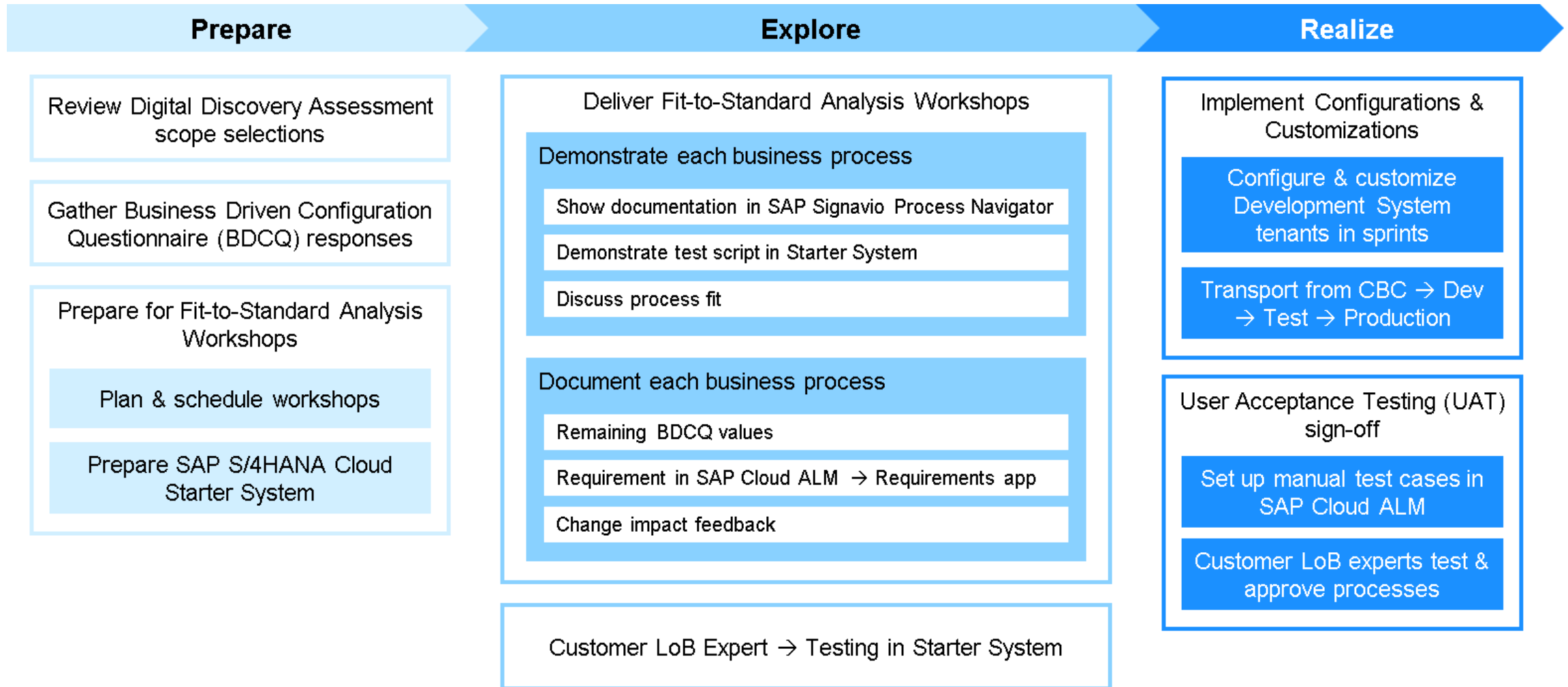
# Gathering Data in Fit-to-Standard Workshops

 2 Lessons  50 mins

After completing this unit, you will be able to:

- Describe an overview of the Fit-to-Standard Analysis process flow
- Gather responses to the Business Driven Configuration Questionnaire (BDCQ)
- Prepare starter system and schedule workshops
- Demonstrate business processes and gather configuration values

# Fit-to-Standard Analysis Process Overview from Prepare to Realize Phase



# Purpose of the Business Driven Configuration Questionnaires (BDCQs)

**SAP Run Simple Business Driven Configuration Questionnaire - Professional Services**

Industry	Project Relevant ? Y/N	Scope Ref.	SAP ID	SSCUI Reference	Process Area	Topic	Topic Definition	Question	Level	Customers' Response
Professional Services	Y	J11	102641	Customer and Internal Project Management	Project Management	Define Work Items and Groups	Define work items and group them to simplify the assignment of work items to work packages. The assignment of work items to groups enables project managers to filter and assign work items relevant to work packages.	Define tasks that are used in the delivery of projects?	L3	
Professional Services	Y	J11	101306	Customer and Internal Project Management	Project Management	Define Expenses	Expense types classify the expenses that are to be spent within a company. For example, expense type E001 (Accommodation). They are used for the planning of work packages. These are derived from the project type. You must post a project type before you can define expenses.	Define expenses that are used in the delivery of projects?		
Professional Services	Y	J11	103299	Customer and Internal Project Management	Project Management	Map Resources to Resource Types	Map various professional resources to resource types. This configuration is used in the project management process.			
Professional Services	Y	J11,1A8	103448	Customer and Internal Project Management	Project Management	Define Role Types	You can use role types to define the roles of project team members. If a role type is assigned to a resource, the resource is assigned the role. Determining the role of a resource is important for the project management process. SAP defines project roles for project management.			

**Implementation Active Product-Specific Configuration**

Project Type: Status: Phase: Milestones: Scope Organizational Structure Product-Specific Configuration

**Configuration Activities**

Title	Status	Go-Live Relevan...	Documentation	ID	Short Descripti
▼ Projects	20 in total				
▼ Project Planning and Execution	20 in total				
▼ Project Structuring	10 in total				
> Process Variants for Commercial Projects	2 in total				
> Project Review	1 in total				
> Material Determination for Advanced Sales and Billing	1 in total				
> General Project Management	2 in total				
▼ Configurations Specific to Project-Based Services	4 in total				
Define Expenses *	Open	Mandatory	Open Documentation	101306	Define expense
Map Resources to Resource Types	Open	Mandatory	Open Documentation	103299	Allows you to m
Define Work Items and Groups	Open	Recommended	Open Documentation	102641	Define work iter
Define Role Types	Open	Optional	Open Documentation	103448	Allows you to de

**SAP Central Business Configuration**

# Conducting Fit-to-Standard Workshops

## "Mini" Kick-Off

Why did we invite you here today?

What is the Cloud Mindset?

Why is your participation important?

Where are we in the implementation process?

What business process(es) will be covered today?

## Fit-to-Standard Analysis

For each business process:

1

Demonstrate business process flow diagram

SAP Signavio Process Navigator / Solution Scenario /

SAP Best Practices for SAP S/4HANA Cloud, public edition

2

Demonstrate test script procedures

SAP S/4HANA Cloud



Starter System

3

Discuss process fit with customer needs

4

Document & prioritize requirements



5

Gather remaining configuration values



Business Driven Configuration...

6

Provide test user & starter system login info for customer's own testing

# Documenting Requirements in SAP Cloud ALM during Fit-to-Standard Analysis Workshops

The image illustrates the workflow for documenting requirements in SAP Cloud ALM during Fit-to-Standard Analysis Workshops. It consists of three main components:

- Processes Sidebar:** A sidebar on the left with the label "Processes" and a right-pointing arrow icon.
- Solution Process Scope:** A screenshot of the "Solution Process Scope" page. It shows a search bar and filters for Project, Scope (S/4HANA Cloud x), Status, Process Hierarchy, Solution Scenario, Country/Region, and Business Process Group. Below the filters is a table of "Solution Processes (79)".
- Customer Project Management - Project-Based Services (J11):** A screenshot of the "Customer Project Management - Project-Based Services (J11)" page. It shows the "General Information" tab and the "Context" section with Project and Scope fields.
- New Requirement Dialog:** A screenshot of the "New Requirement" dialog box. It shows the "Requirement" tab and the "Description" section with a text area for the requirement description. The title is "Requirement for Customer Project Management - Project-Based Services (J11)".

Arrows indicate the flow from the "Solution Process Scope" table to the "Customer Project Management - Project-Based Services (J11)" page, and then to the "New Requirement" dialog box. A "Create" button is visible in the top right corner of the "Customer Project Management - Project-Based Services (J11)" page, and a "Requirement" button is visible in the top right corner of the "New Requirement" dialog box.

Title	Scope	Status	Process Hierarchy	Business Process (Variant)	Country/Region
Scope: S/4HANA Cloud					
Customer Project Analysis (BGI)	S/4HANA Cloud	Design		Customer Project Analysis (BGI)	Argentina - 50 More
SAP Best Practices for SAP S/4HANA Cloud (2302)	S/4HANA Cloud			Solutions for Specific Industries	
Customer Project Management - Project-Based Services (J11)	S/4HANA Cloud	Design		Customer Project Management - Project-Based Services (J11)	Argentina - 50 More
SAP Best Practices for SAP S/4HANA Cloud (2302)				Solutions for Specific Industries	
				Accounting for Incoming Sales Orders	

# Configuring Business Processes with SAP Central Business Configuration

 5 Lessons  50 mins

After completing this unit, you will be able to:

- Set up the implementation projects for the development system tenants
- Define the scope and country/region localizations
- Select the primary finance settings and build the organizational structure
- Define and transport product-specific configuration values
- Create users and grant access to the SAP S/4HANA Cloud Public Edition Development System tenants
- Create users and grant access to the SAP S/4HANA Cloud Public Edition Test and Production Systems



# Overview of deploying content in SAP S/4HANA Cloud Development System tenants



## Create projects

- 1 project for **development system customizing tenant**
- 1 project for **development tenant**

## Define Scope

- Select **scope bundle**
- Select **country/region(s)**
- Select **group ledger** (IFRS and/or USGAAP)
- Select **deployment target**

## Define org structure & finance settings

- Build **customer's organizational structure** for each country/region
- **Define FYV & group currency**



## Define configurations

- Each LoB configuration expert **enters config values** gathered during their Fit-to-Standard workshops

# CBC Tutorials




## Implementation Activities in SAP Central Business Configuration

 Define Scope

 Select Public Sector Scope

 Assign Deployment Targets

Confirm Scoping Is Completed

 Initiate Change

Specify Primary Finance Settings

Set Up Organizational Structure

Complete Scope and Organizational Structure Phase

Request Production System (2SL)

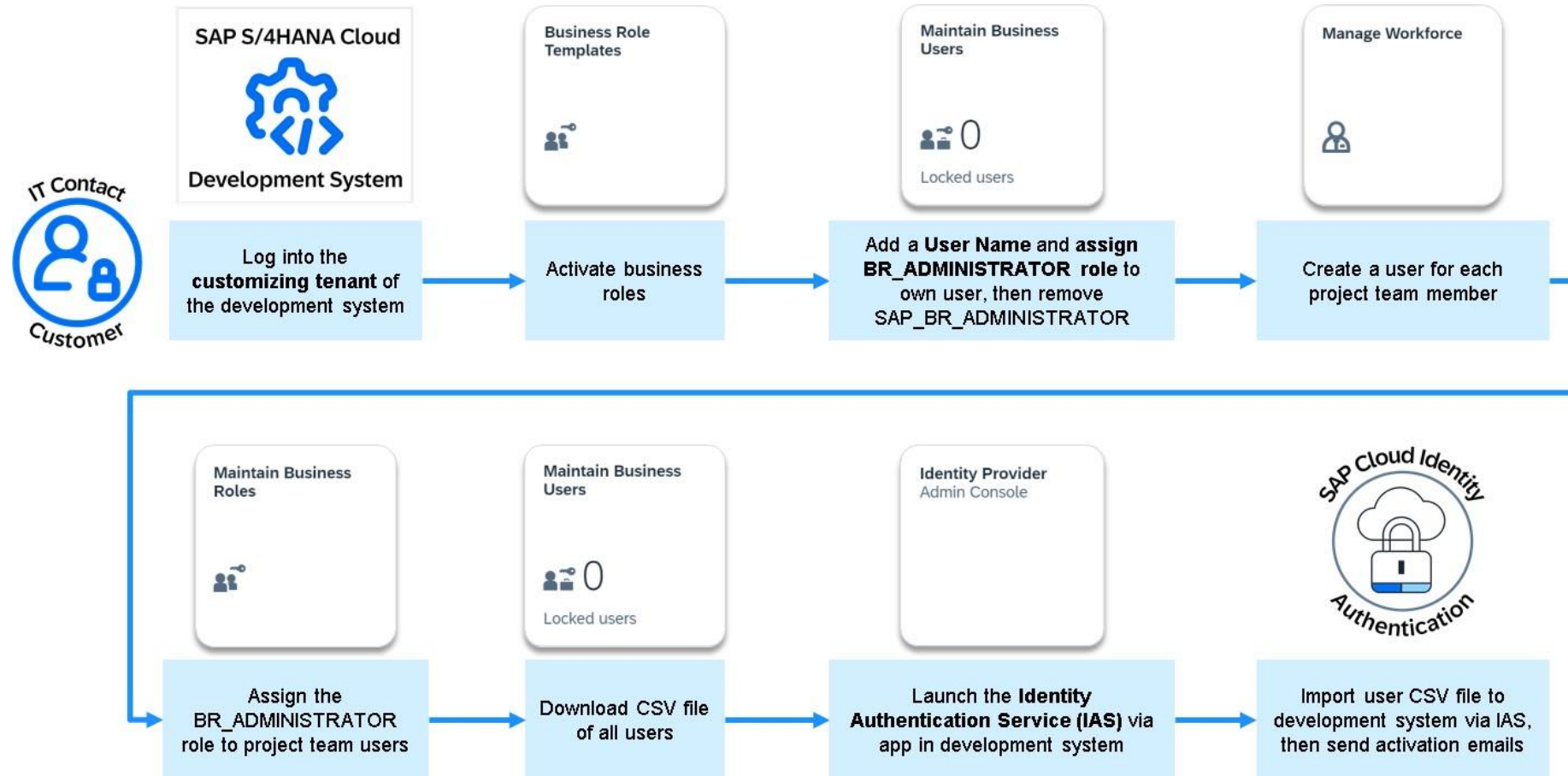
Configure Business Processes (3SL)

Configure Business Processes (2SL)

**Release Configuration into Production System (2SL)**

Complete Production System Settings Activities (2SL)

# User Creation and Authorization in the SAP S/4HANA Cloud Development System Tenants



# Working with the SAP Fiori Launchpad

 6 Lessons  45 mins

After completing this unit, you will be able to:

- Navigate the SAP Fiori Launchpad
- Access the embedded support and Joule
- Manage teams and responsibilities
- Review the Situation Handling Framework
- Explore flexible business workflows
- Describe the embedded analytical applications and capabilities

# Working with the SAP Fiori Launchpad



## Definition:

- Design language for a consistent user experience in SAP software.
- Focus on intuitive, visually pleasing designs across devices.

## Core Concepts:

- Role-based simplification of business processes.
- Shift from monolithic solutions to activity-based apps.
- Empowerment of users in their work.

## SAP Fiori Launchpad:

- Single entry point for user-permissioned apps on any device.
- Role-based, displaying only authorized apps.
- Responsive design based on the device used.
- Apps run within a shell with header and footer areas.

# SAP Fiori Launchpad - My Home

To Dos

Tasks (21) Situations (3)

Approve Purchase Order 4500036966

Medium Priority

Created By: Example Purchaser

Task created 1 mo. ago

Approve Purchase Order 4500036965

Medium Priority

Created By: Example Accountant

Task created 1 mo. ago

Approve Purchase Order 4500036945

Medium Priority

Created By: Central Purchaser

Task created 2 mo. ago

Approve Purchase Order 4500036941

Medium Priority

Created By: Test Automation

Task created 2 mo. ago

Pages

Finance

Discover the new features and changes in this release

SAP S/4HANA Cloud 2308

Overview Purchasing

Purchase Order Processing Purchasing

Supplier Evaluation Purchasing

Purchasing Rebates Purchasing

Overview Sourcing and Contracting

Sourcing Sourcing and Contracting

Source of Supply Management Sourcing and Contracting

Treasury Operations Treasury Accounting

Apps and Activities

Favorites Recent Activities Frequently Used

6 Display BOM

7 Maintenance

Find Document

Display document

Change Document

Insights

Tiles (8)

My Inbox

All items

21

3 hr. ago

Manage Maintenance Plans

221

3 hr. ago

Marked for Deletion 2

Deactivated 7

Scheduled 90

Purchase Order Average Approval Time

Flexible WorkFlow

25.3

3 hr. ago

Days Medium-Cost 0.24

Days High-Cost 0.53

Days Very High-Cost 14.88

Manage Maintenance Items

344

3 hr. ago

Purchase Contract Changes

Total Purchase Contr...

11

3 hr. ago

Purchase Orders Created After Invoices

18

3 hr. ago

Employees can personalize what displays in each section

My Home Settings

Layout

Pages

Insights Tiles

Insights Cards

A maximum of 8 pages can be displayed.

Spaces and Pages

Project Management - Professional Services

Project Management - Professional Services

Administration

Workforce Master Data

Identity and Access Management

Launchpad

Communication Management

Security

Tools

Technical Monitoring

Transport Management

Save

Cancel

My Home Settings

Layout

Pages

Insights Tiles

Insights Cards

You can select tiles with dynamic content to get valuable insights at a glance.

Add Tiles

Search

No data

Apps that are on your Favorites tab and can be added to your insights.

Review Customer Projects

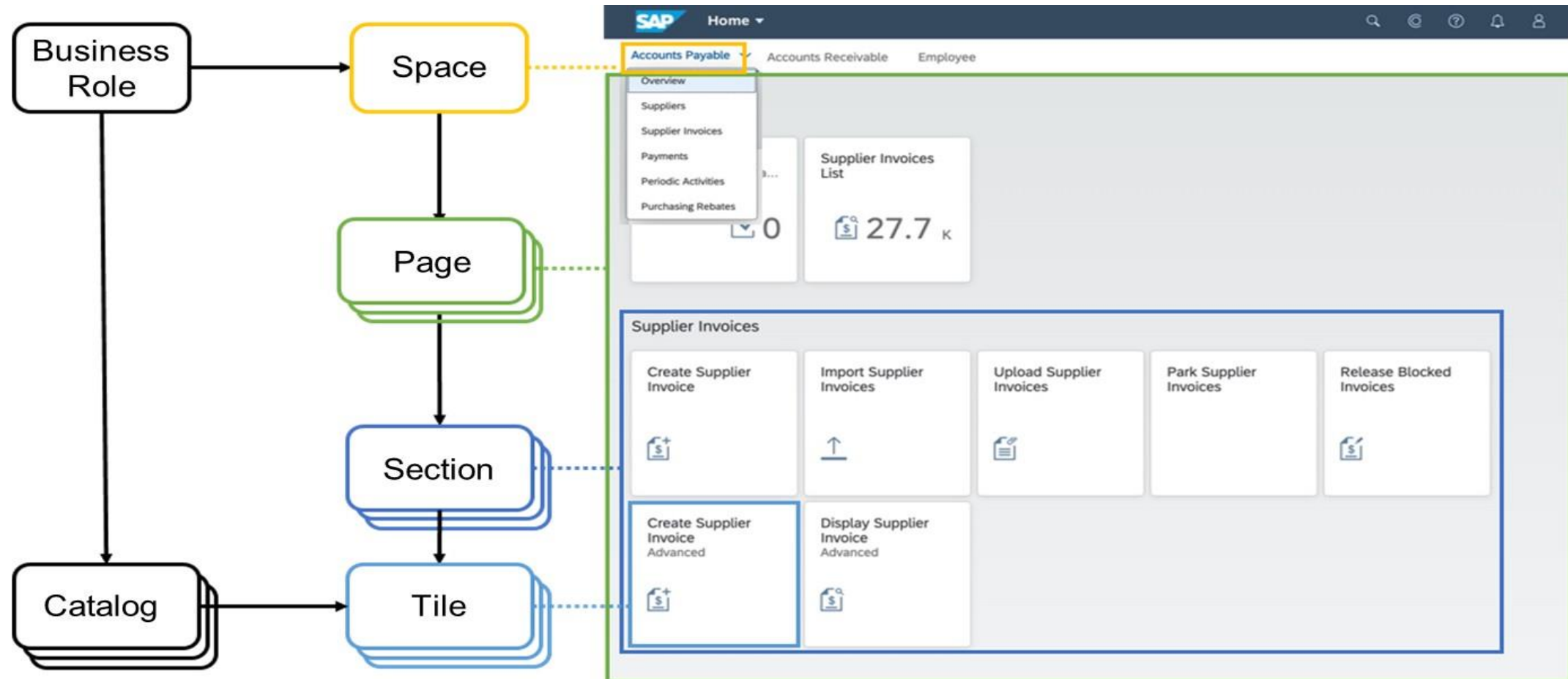
Project Staffing Analysis

Close

Start Exercise



# Spaces and Pages Layout



# Embedded Help in the SAP Fiori Launchpad

The screenshot displays the SAP Fiori Launchpad interface with several help panels open. A blue line connects a question mark icon in the top navigation bar to the 'Help Topics' panel. Another blue line connects a question mark icon on the 'Apps and Activities' tile to its corresponding help panel. A third blue line connects a question mark icon on the 'What's New' panel to the 'Learning' panel. A fourth blue line connects a question mark icon on the 'What's New' panel to the 'What's New' panel. A blue box highlights the 'Apps and Activities' section in the 'Help Topics' panel. A blue box highlights the 'Learning' panel. A blue box highlights the 'What's New' panel. A blue box highlights the 'What's New' panel.

**Help Topics**

Search Help Topics

SAP Community

Quick Tour

Find Help

Entry Page

Search

Built-In Support

Notifications

User Actions Menu

Navigation Bar

Pages

**Apps and Activities**

The Apps and Activities section displays your configured favorite apps, your recent activities and frequently used items consolidated in three different tabs.

**Learning**

Learning Center

Community

Working with Apps

Learn how to simplify your work with the SAP S/4HANA Fiori Apps.

Working with the Launchpad

Click through the following interactive tutorials and try it yourself how to navigate and become more productive with the SAP Fiori Launchpad.

**What's New**

Search Help Topics

My Home in SAP S/4HANA Cloud

Personalization of the Navigation ...

New System Information Bar

Validate Drafts on Mobile Devices

Value Help Titles

Type-Ahead Feature in Fields

State Messages in SAP Fiori Apps

Deselect All Option in Value Help

**Apps and Activities**

The **Apps and Activities** section contains the following tabs:

- Favorites**

This tab is automatically populated based on the distinct list of apps that were configured in your My Home entry page. Within the **Favorites** tab, you can rearrange the tiles using drag and drop, select the color of the app tile, or delete an app. To add more apps to this tab, you can access **App Finder** by clicking **Add Apps**. While you can add a maximum of 250 apps to the tab, it is recommended

In-context help information based on the app/screen you're currently viewing

# Embedded Generative AI Digital Assistant in the SAP Fiori Launchpad

The image shows the SAP Fiori Launchpad interface with a purple Joule AI assistant overlay on the right. The launchpad header includes the SAP logo, a 'Home' dropdown, and a user profile icon labeled 'JB'. Below the header is a banner for 'Wed, Oct 18 Hello, Jonathan!'. The main content area is divided into 'To Dos' and 'Insights' sections. The 'To Dos' section contains three cards: 'Procurement Purchase Requisition' (Replacement Laptop, 2,450.00 EUR), 'Expense Report Approval' (Travel to Munich, 843.37 EUR), and 'Time Off Requests' (Vacation Sep 26 - 28, 2023, 3 days). The 'Insights' section contains three cards: 'Incoming Sales Orders' (289.1 K), 'Purchase Requisition Item Types' (1), and 'Open Purchase Orders' (4500000045). The Joule assistant overlay features a large white diamond icon with four stars, a greeting 'Hello Jonathan, How can I help you?', a text input field with the placeholder 'Talk to me naturally. For example, 'request feedback'', and a list of suggested actions: 'Request Feedback', 'View My Display Name', 'Fetch Weather', and 'Create Position'.

**SAP Fiori Launchpad Header:**

- SAP Logo
- Home
- User Profile: JB

**Banner:** Wed, Oct 18 Hello, Jonathan!

**To Dos:**

- Procurement Purchase Requisition** (Kevin Hudemann, 1 week ago)  
Replacement Laptop  
2,450.00 EUR  
Buttons: Approve, Deny
- Expense Report Approval** (Stephan A/Smus, 1 week ago)  
Travel to Munich  
843.37 EUR  
Buttons: Approve, Send Back
- Time Off Requests** (Carmen Rannefeld)  
Vacation Sep 26 - 28, 2023  
3 days  
Buttons: Approve, Deny

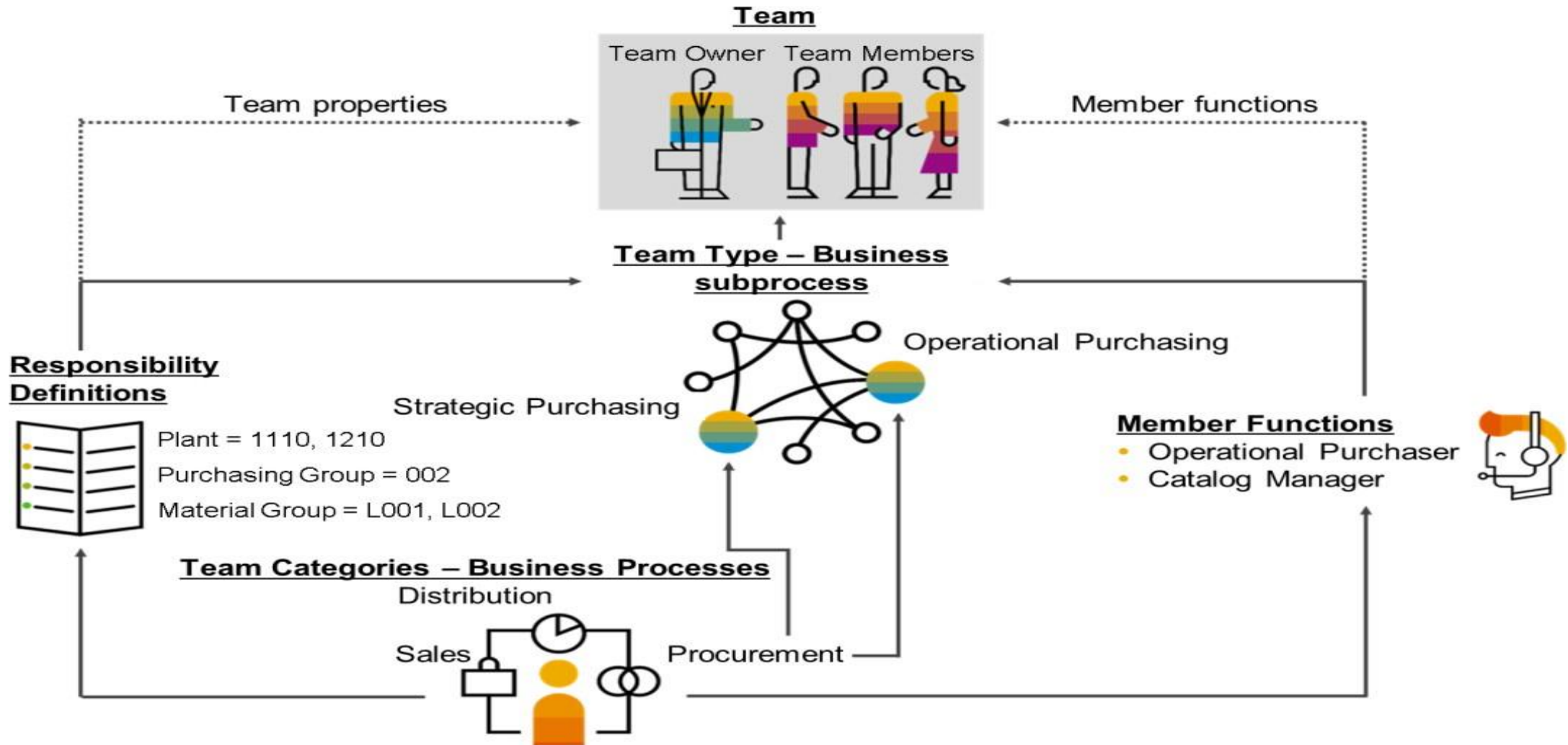
**Insights:**

- Incoming Sales Orders** (By Month | EUR)  
289.1 K  
Target: 296.1K, Deviation: -8.6%  
4 Months
- Purchase Requisition Item Types**  
1  
By Item Type
- Open Purchase Orders**  
4500000045  
In Approval

**Joule AI Assistant Overlay:**

- Header: Joule
- Icon: Large white diamond with four stars
- Greeting: Hello Jonathan, How can I help you?
- Text Input: Talk to me naturally. For example, 'request feedback'
- Buttons: Request Feedback, View My Display Name, Fetch Weather, Create Position
- Footer: How can I help you?

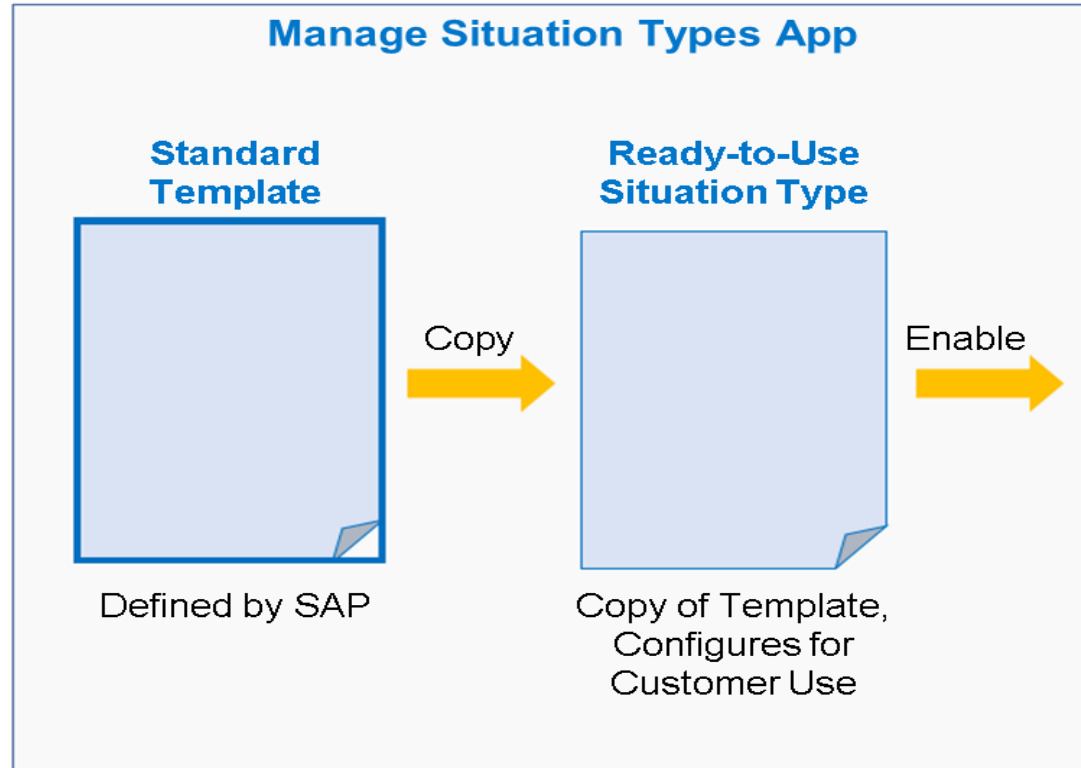
# Responsibility Management



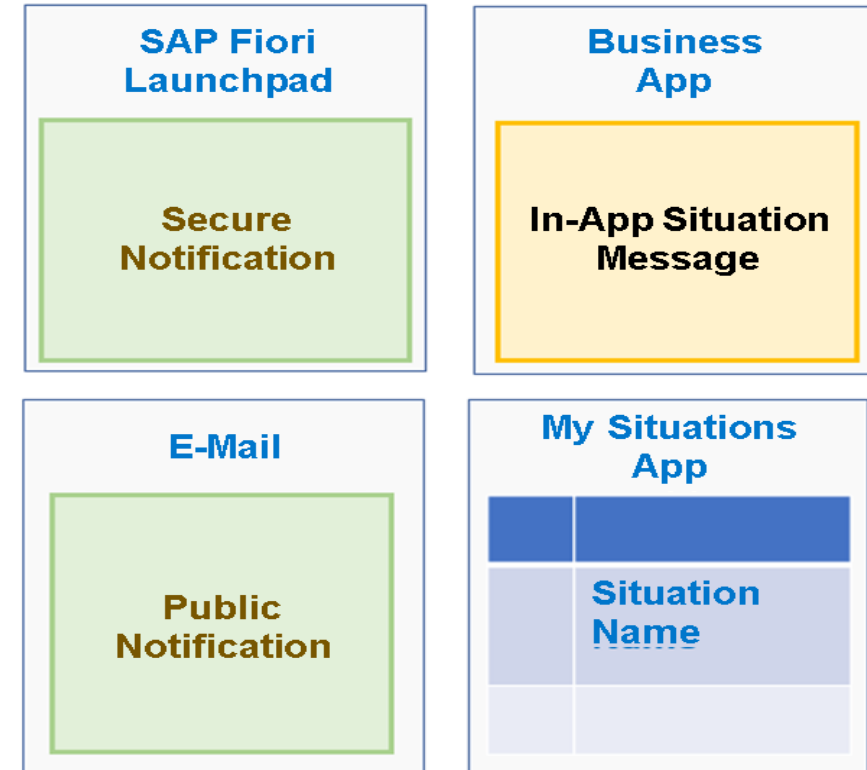
# Situation Handling



Key User: Configures Situation Type



End User: Views Situation Instance



# Flexible Business Workflows

Overall Release of Purchase Requisition / Alan Four-eyes approval workflow /

2nd approvalOverall release of Purchase Requisition

Header

Recipients

Preconditions

Deadlines

Exception Handling

All of the recipients

PRECONDITIONS

Only start the step if all of the following preconditions are met: ⊗

Total net amount of purchase requisition is greater ... ▾

2,000

EUR

⊗

+

Add Alternative Preconditions

DEADLINES

☒ Mark the step as overdue if it is not completed by:

Deadline calculation starts with cr... ▾

—

3

+

Day(s) ▾

Deadline calculation starts with creation of workflow Instance

Deadline calculation starts with creation of workflow item Instance

EXCEPTION HANDLING

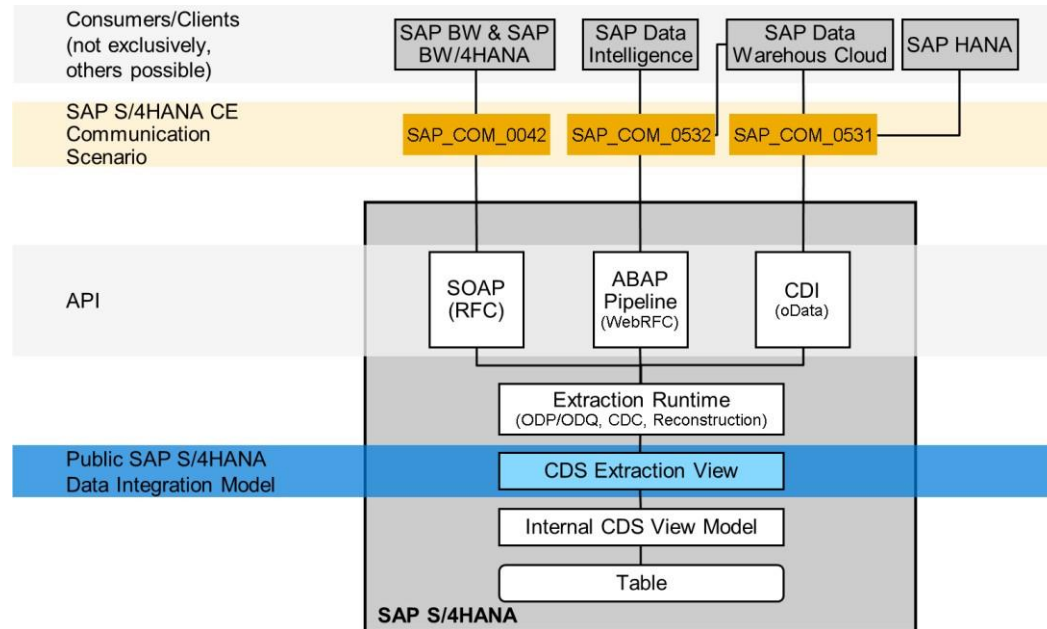
Name	Required Action	Action Result
Purchase Requisition Rejected	Do nothing ▾	Cancel workflow ▾

Apply

Cancel



# Analytics : Core Data Services Functionality



## Usage in SAP S/4HANA Cloud:

### • Data Extraction:

- Pulls data from the database for SAP Fiori apps and other landscapes.
- Strict security and compliance measures for accessing SAP-approved tables and ABAP CDS views.

[Working with Analytical Applications](#)

# Customizing Authorizations

 2 Lessons  30 mins

After completing this unit, you will be able to:

- Create a business role from a template
- Defining restrictions
- Customize a launchpad space and page

Exercise 2: Assign a Business Role

Exercise 3: Create a Custom Business Role with a Custom Launchpad Space and Page

Exercise 4: Create Teams and Responsibilities

Exercise 5: Create Business Users

Exercise 6: Define Restrictions for a Business Role

# Role-Based Authorization in SAP S/4HANA Cloud

A **business user** is assigned **one or more business roles**.

Business User

A **business role** is a collection of **one or more business catalogs**.

Business Role

Space & Page(s)

A **business catalog** grants access to data and / or applications.

Business Catalog

Business Catalog

**Restrictions** can limit visibility to information within applications.

Application(s)

Data

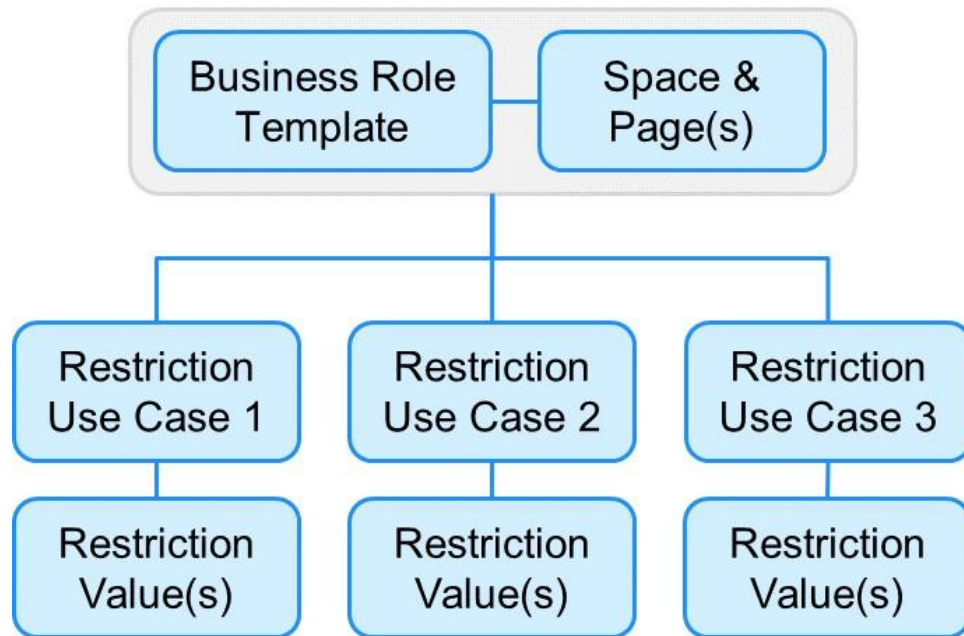
Application(s)

One or more **Spaces** can be assigned to a **business role**.

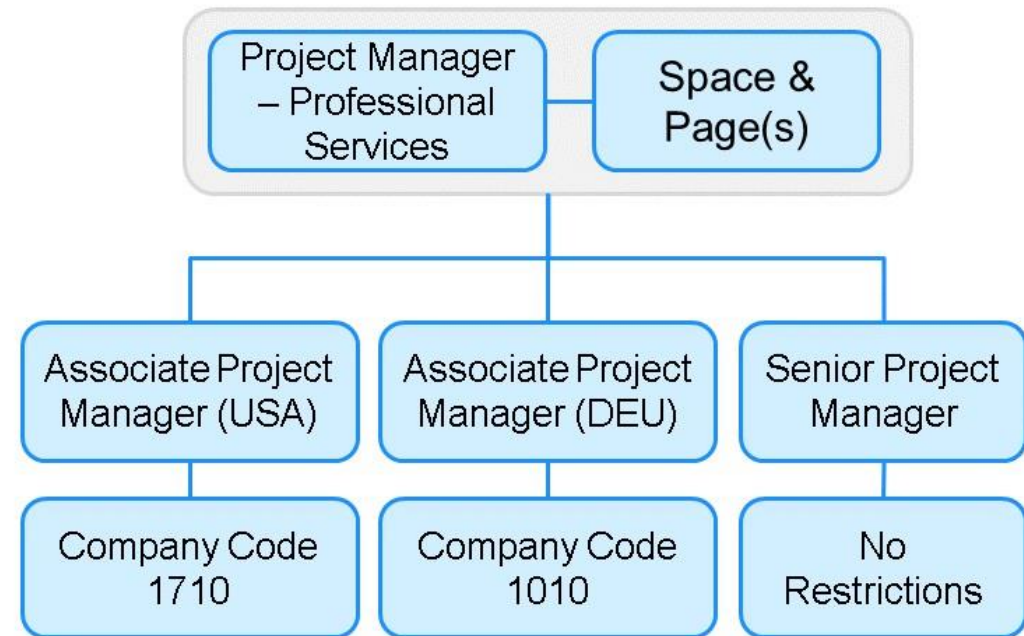
Within a **Space**, there are **one or more Pages** to define how apps are visually organized on the launchpad.

# Business Role Customization Use Cases

## Use Case Template



## Example Use Case



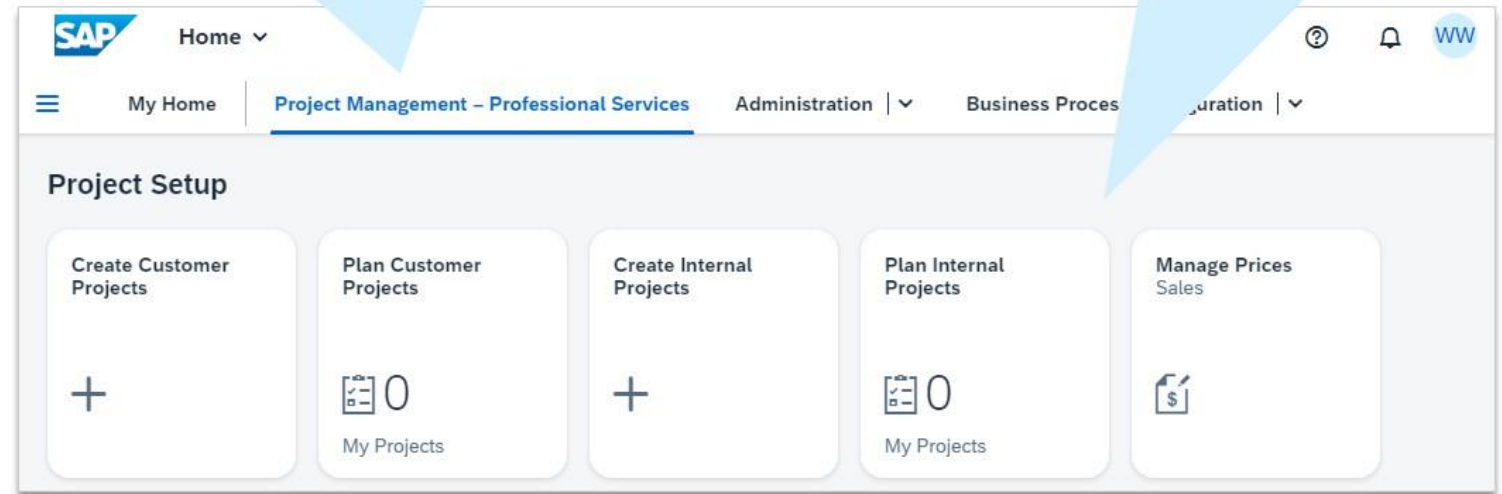
# Customizing Launchpad Spaces and Pages



The **Administration** space has multiple pages because it displays them in a drop-down menu

The **Project Management – Professional Services** space has only one page because there isn't a drop-down menu

These apps are both permissioned through **Business Catalogs** assigned to the **Project Manager – Professional Services** business role AND assigned to the page → space → business role because they display on the launchpad



Apps assigned to Page assigned to Space assigned to Business Role

# Customizing Applications

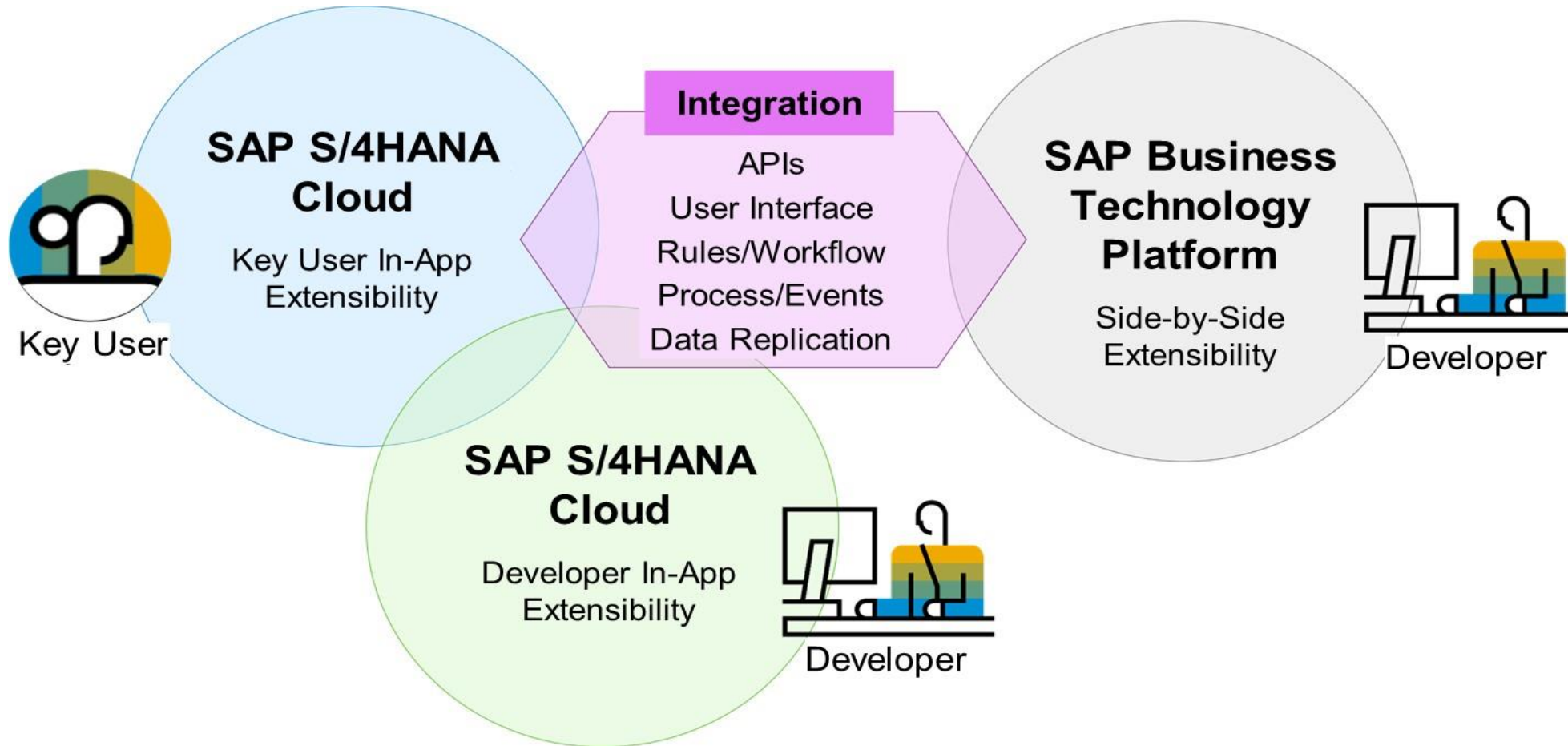
 4 Lessons  1 hr 40 mins

After completing this unit, you will be able to:

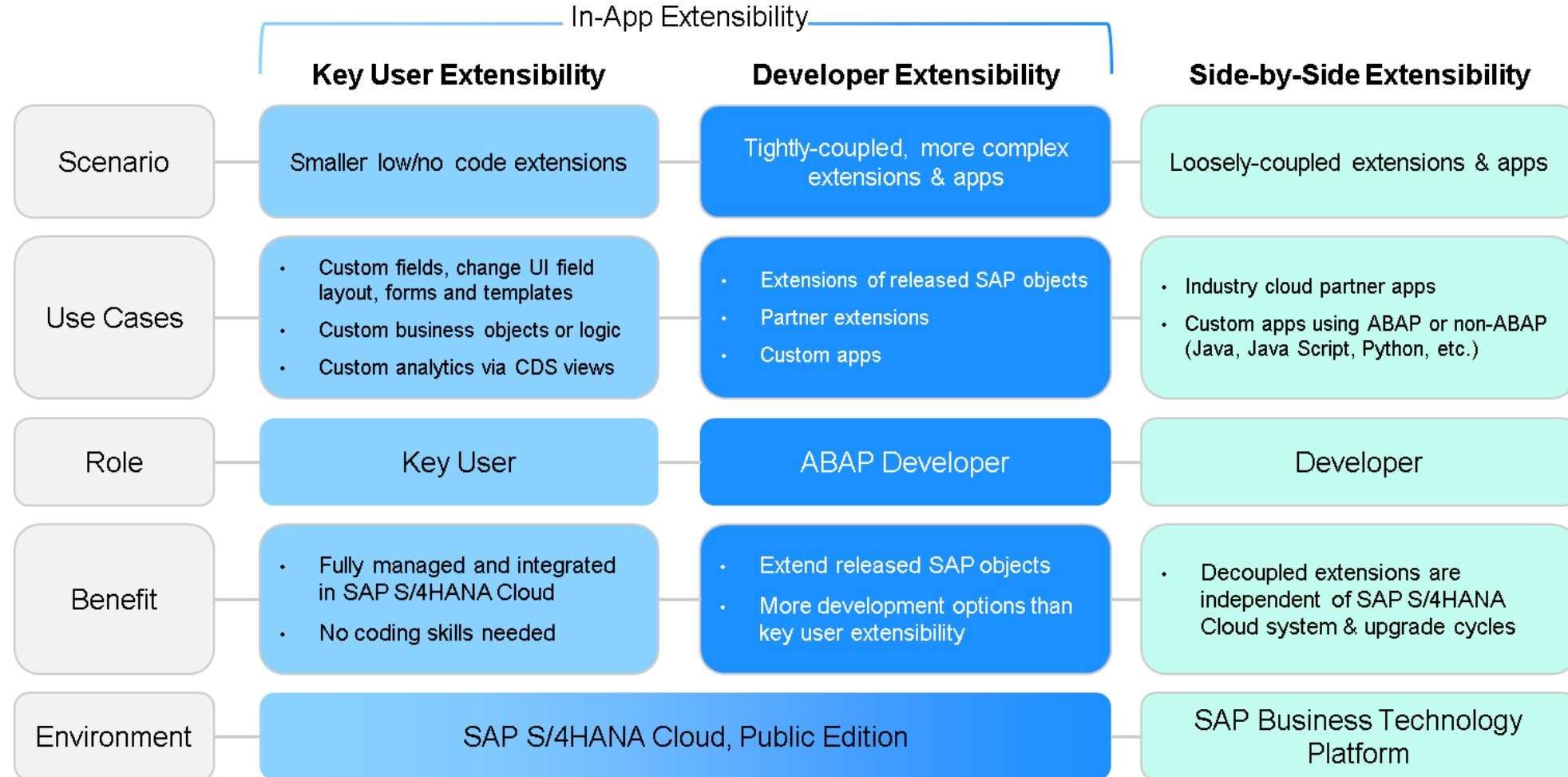
- Provide an overview of the extensibility tools for SAP S/4HANA Cloud Public Edition
- Explain the SAP Fiori apps to use when identifying which extensions have been made or can be made
- Change the UI of an app and create a custom field
- Add a custom logic Business Add-In (BAI)
- Create a custom user interface
- Create a custom business object
- Customize Output Management templates
- Transport key user in-app extensions
- Summarize the developer extensibility concept and tools
- Describe an overview of side-by-side extensibility tools from SAP Business Technology Platform



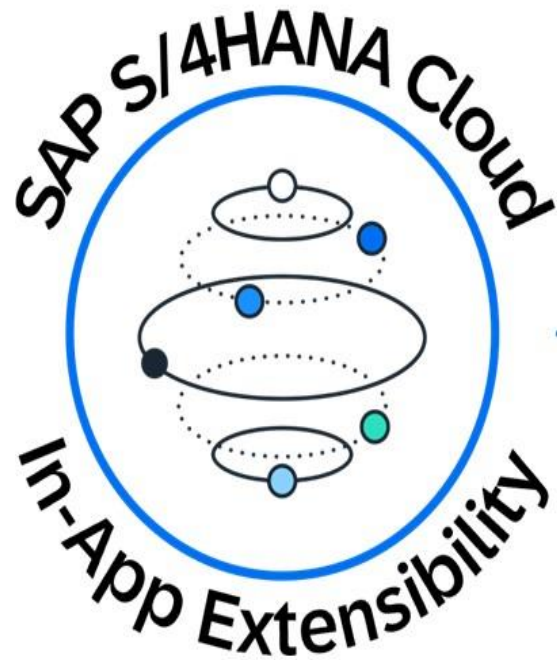
# Lifecycle Stable Extensions in SAP S/4HANA Cloud



# Extensibility Use Cases



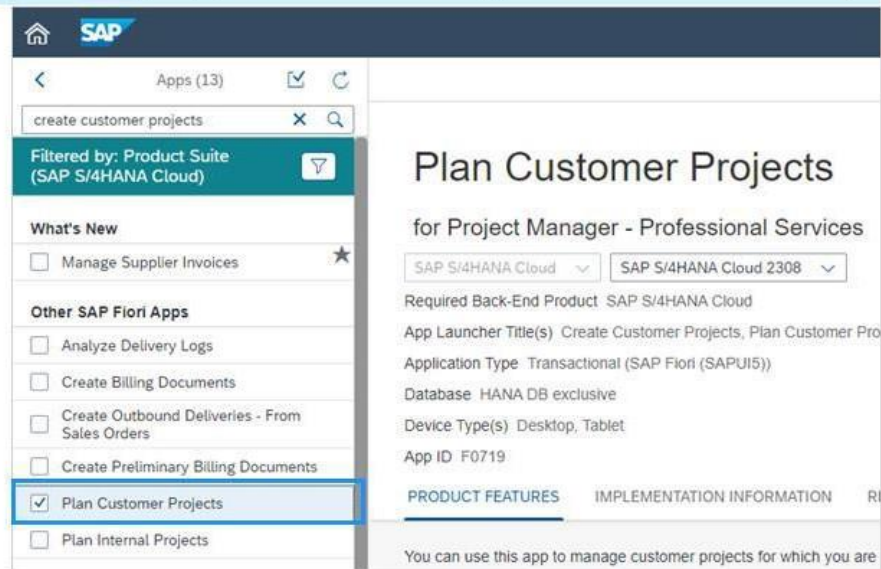
# In-App Extensibility in SAP S/4HANA Cloud, public edition



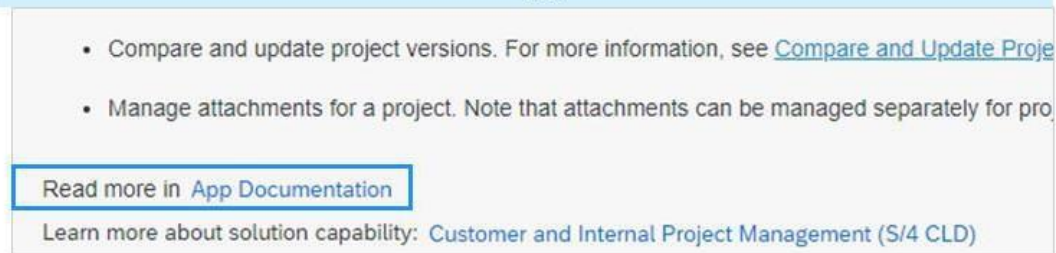
- Adapt existing user interface (UI)
- Create custom fields
- Create/extend forms & email templates
- Create custom business logic
- Create custom UIs
- Create custom business objects
- Create custom analytics

# Does this app support the in-app extensibility framework?

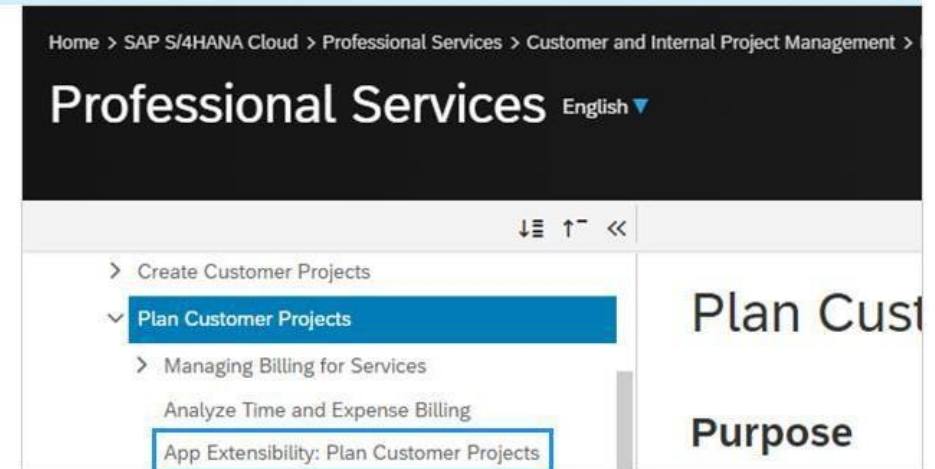
1 Look up app in SAP Fiori Apps Reference Library



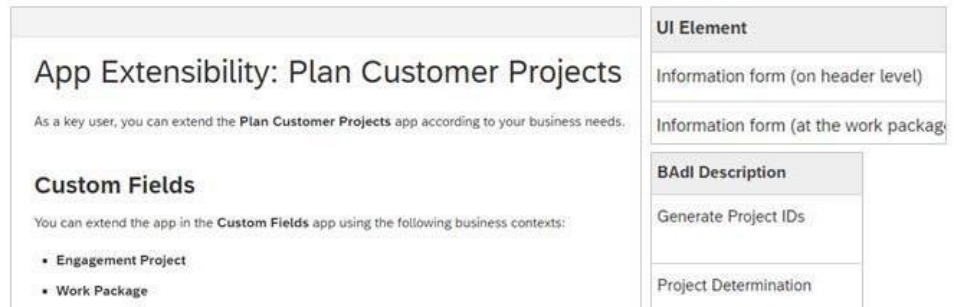
2 Scroll down to *Read more in App Documentation* & click link



3 Select the section titled App Extensibility: [App name]

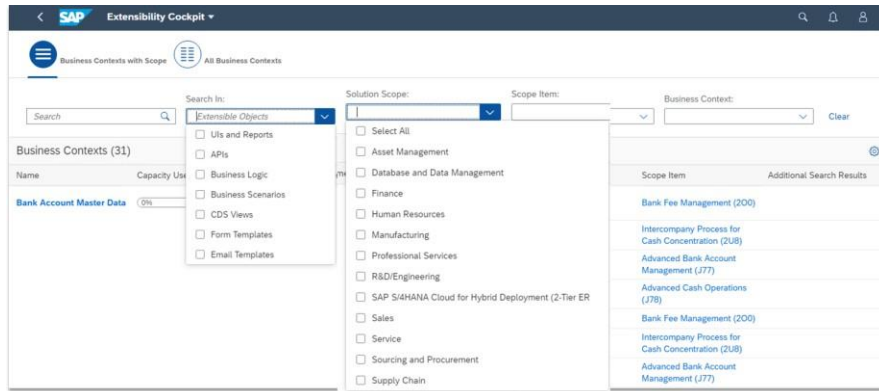


4 Find relevant business context and if custom fields (UI Elements), custom logic (BAdIs), or both are supported.





# Apps



## • Functionality:

- Allows exploration of extension options.
- Filters based on extension type, solution scope, scope item, or business context.
- Provides information for extension planning.

## • Benefits:

- Aids in understanding available extension possibilities.
- Supports planning and preparation for extension projects.

## • Use Cases:

- Developers, architects, and planners involved in extension projects.

## • Integration:

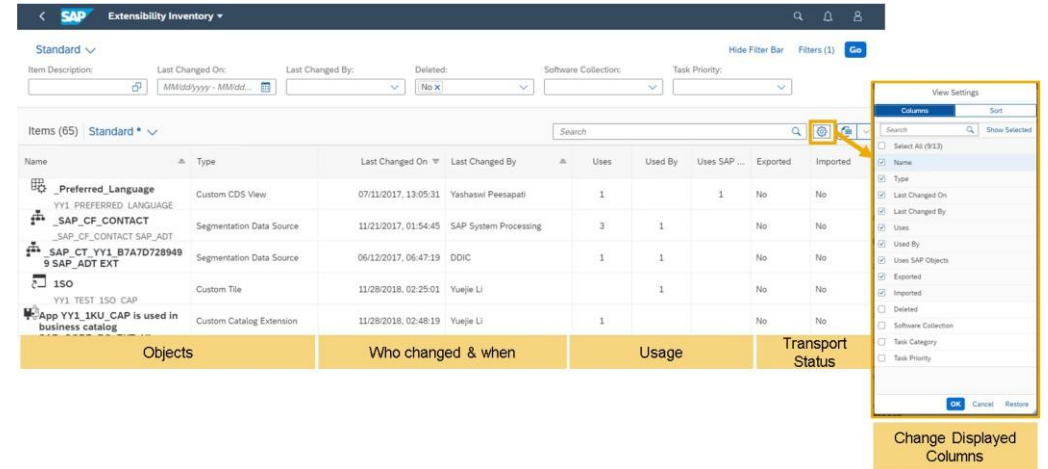
- Seamlessly integrates into SAP environments.

## • User Interface:

- User-friendly interface for easy navigation.

## • Value:

- Enhances visibility and decision-making in extension planning.



## • Functionality:

- Provides an overview of extensibility items.
- Visualizes associations between items.
- Assists in assessing the impact of actions on items.

## • Benefits:

- Facilitates extensibility management.
- Supports decision-making on imports/exports.

## • Use Cases:

- Users involved in extensibility decisions.

## • Integration:

- Part of the SAP ecosystem.

## • User Interface:

- Intuitive and user-friendly.

## • Value:

- Enhances governance and decision support.

# Adapting the UI

## Adapt Fiori UI at Runtime

- In SAP Fiori launchpad, end users can personalize object pages, while key users can adapt the UI for all app users.
- "Adapt UI" mode allows users to make changes using drag and drop, applicable to transactional Fiori UIs and Fiori fact sheets.
- Key users can add fields, rearrange elements, and make UI changes, and these apply app-wide after extension transport to the production system.
- Adaptation mode features include hiding fields, renaming labels, adding fields, and manipulating form fields or UI groups.
- The Custom Fields and Logic app is accessible in Adapt UI mode for creating new custom fields.
- Users can define new filter and table variants to customize information display.

[Learn how to adapt the SAP Fiori UI at runtime.](#)

## Creating App Variants

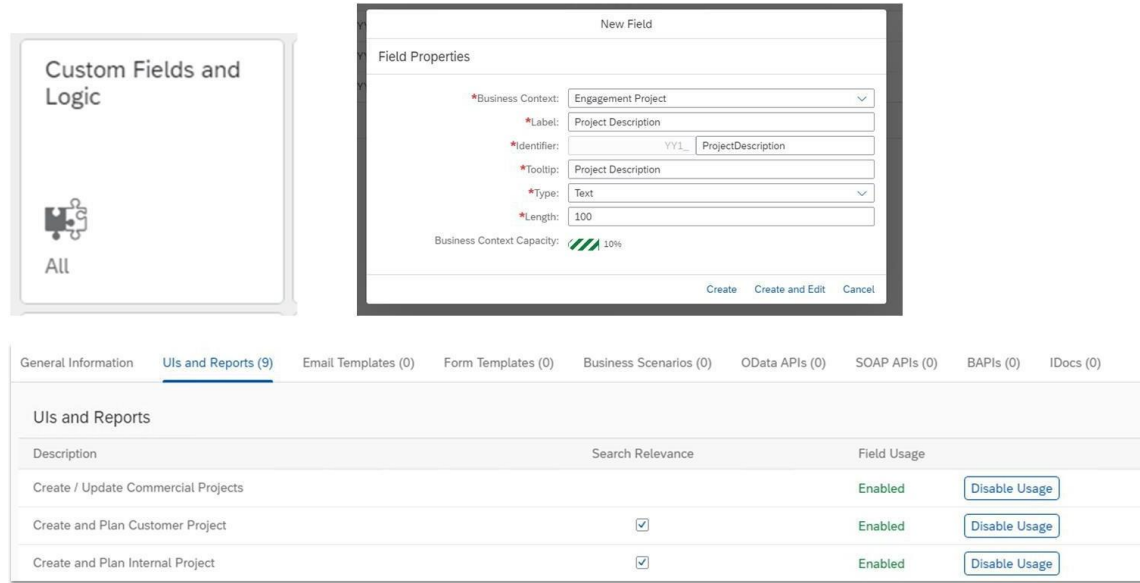
- SAP Fiori launchpad allows the creation of app variants for special scenarios (e.g., countries, organizational units, or user groups).
- Variants can be based on the app being edited in UI adaptation mode, the original app, or existing variants.
- UI changes made to the original app or a variant do not affect other variants.
- Changes to the original app made outside of UI adaptation mode are applied to adapted apps and their variants if already customized.

## Adapting Views

- Some apps support changes to existing views, creation of new views, and management of available views.
- To determine if these options are available, check if the User Actions menu includes the "Adapt UI" menu item.
- If "Adapt UI" is present, it indicates that the UI adaptation mode is accessible, allowing users to make changes to the UI.



# Custom Fields App



The screenshot displays the Custom Fields App interface. On the left, a sidebar titled 'Custom Fields and Logic' contains a puzzle piece icon and the word 'All'. The main area is divided into two parts. The top part is a 'New Field' dialog box with the following fields: 'Business Context' (dropdown menu set to 'Engagement Project'), 'Label' (text field with 'Project Description'), 'Identifier' (text field with 'YV1\_'), 'Tooltip' (text field with 'ProjectDescription'), 'Type' (dropdown menu set to 'Text'), and 'Length' (text field with '100'). Below these fields is a 'Business Context Capacity' indicator showing a green bar at 10%. At the bottom of the dialog are three buttons: 'Create', 'Create and Edit', and 'Cancel'. The bottom part of the main area is a table titled 'Uls and Reports' with columns 'Description', 'Search Relevance', and 'Field Usage'. The table contains three rows of data.

Description	Search Relevance	Field Usage
Create / Update Commercial Projects		Enabled <button>Disable Usage</button>
Create and Plan Customer Project	<input checked="" type="checkbox"/>	Enabled <button>Disable Usage</button>
Create and Plan Internal Project	<input checked="" type="checkbox"/>	Enabled <button>Disable Usage</button>

- The Custom Fields app allows users to create custom fields and implementations for customizing applications, including UIs, reports, email templates, and form templates.
- Customization is useful for addressing specific needs in different user and business contexts, such as adjusting templates and logic.
- Custom fields can enhance applications with APIs and data sources released by SAP by adding personalized data fields.
- Users can access the Custom Fields app directly from the SAP Fiori launchpad or from an extensible application by clicking "Add Field" in the UI adaptation mode during runtime authoring.
- When deleting a transported field, the data is saved for 18 months. To recover deleted custom field data, users can open an incident for the component BC-SRV-APS-EXT-FLD.
- Note: Business context information for creating implementations for custom fields can be found in the Extensibility Cockpit app.
- No read access logging is provided for custom fields.

[Explore the Extensibility Cockpit and learn how to change the layout of a user interface and create custom fields.](#)

# Custom Logic App

The screenshot displays the SAP Custom Fields and Logic interface. A modal dialog titled 'New Enhancement Implementation' is open, allowing users to create a new enhancement. The dialog contains the following fields:

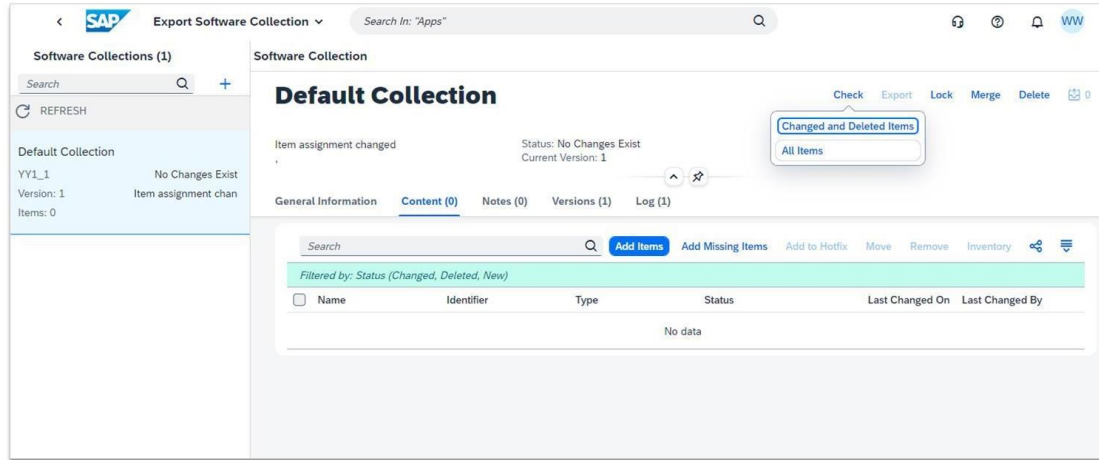
- Business Context:** A dropdown menu with 'Engagement Project' selected.
- \*BApI Description:** A dropdown menu with 'Send Email' selected.
- \*Implementation Description:** A text input field containing 'Send Email for Customer Projects'.
- \*Implementation ID:** A text input field with 'YY1\_' and 'SENDEMAILFORCUSTOMERPROJEC' entered.

Buttons for 'Create' and 'Cancel' are at the bottom of the dialog. In the background, the main app interface shows the title 'Send Email for Customer Projects', a 'Last Changed By' field, and tabs for 'Available Fields', 'Filter', and 'BApI Documentation'. Below these are 'Draft Logic' and 'Example Logic' sections, each containing a list of ABAP code lines. At the bottom right, there are buttons for 'Draft', 'Published', and 'Example', and a footer bar with 'Save Draft', 'Delete', 'Test', and 'Publish'.

- The Custom Logic app is used to implement custom logic for enhancing applications, particularly those with internal APIs released by SAP for use in ABAP code and data sources.
- Custom logic allows users to extend and modify the behavior of applications to meet specific requirements.
- To create an implementation for a Cloud BAdI, users need to know the business context it is allocated to, and an overview of business contexts and their scope items can be found using the Extensibility Cockpit app.
- Note: Custom logic is particularly relevant for applications containing internal APIs and is a powerful tool for customization and extension.

# Transporting In-App Extensions

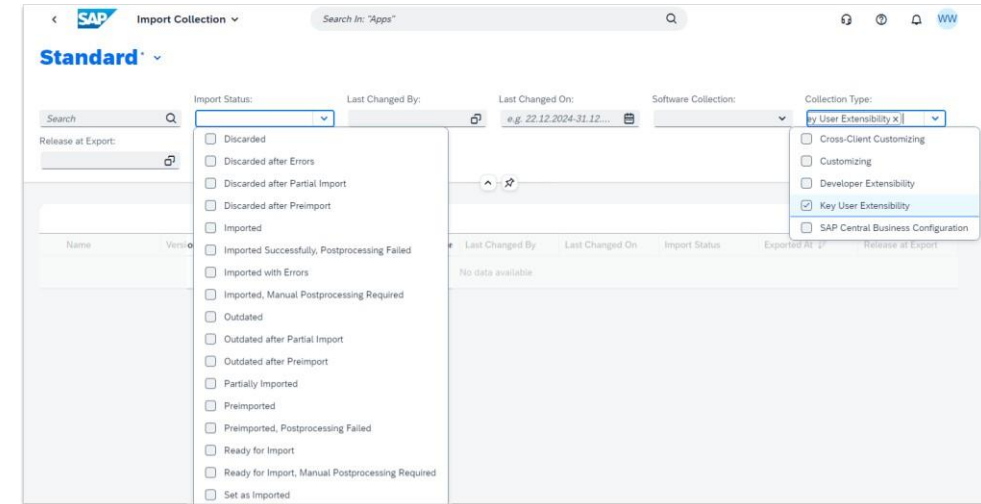
## Export Software Collection app



### Export Software Collection App:

- Create software collection.
- Add extension items for release.
- Items with dependencies must be exported together in the same collection.
- For example, custom business object with corresponding custom catalog extension.
- Use "Check" to identify errors or dependencies in the collection before exporting.
- Select "Add Missing Items" to include any dependencies not already in the collection.
- Choose "Export" to release a standard software collection.

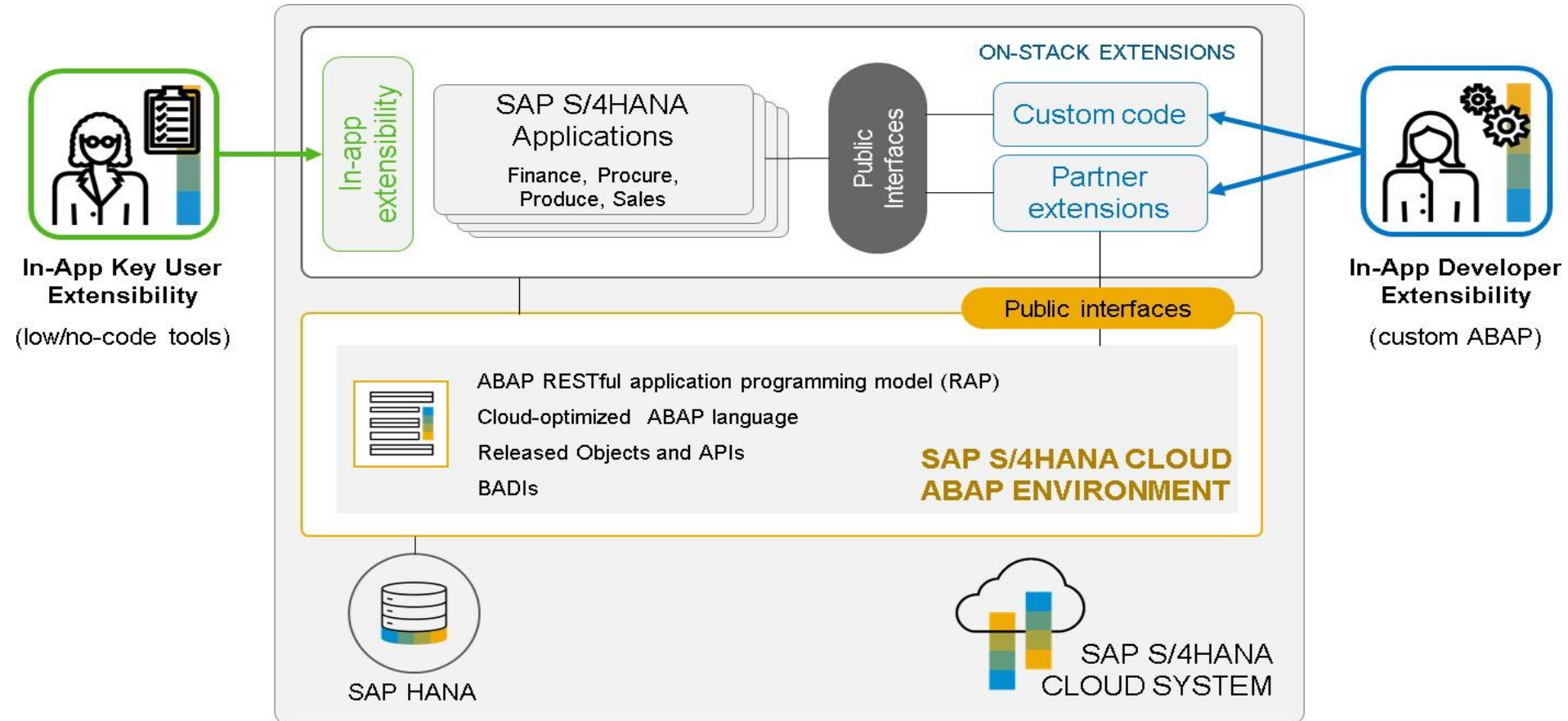
## Import Collection App



### Import Collection App:

- Used for importing all types of extensions.
- Includes key user in-app extensions, business content changes from SAP Central Business Configuration, and developer extensions.
- Extensions initially imported to test system for quality testing.
- Finalized extensions forwarded to production system from Import Collection app.
- Final import in production system necessary to make extension usable for end-users.

# Developer Extensibility



# Side-by-Side Extensibility with SAP Business Technology Platform

	Develop dependent extension	Develop your own custom application	Consume existing apps
 User Interface Layer			
 Application Layer			
 Database Layer			

The SAP Business Technology Platform extension capability can help customers build, deploy, and operate their new functionalities easily and securely in **on-premise** or **cloud** SAP solutions.

## Setting up Integrations

 4 Lessons  50 mins

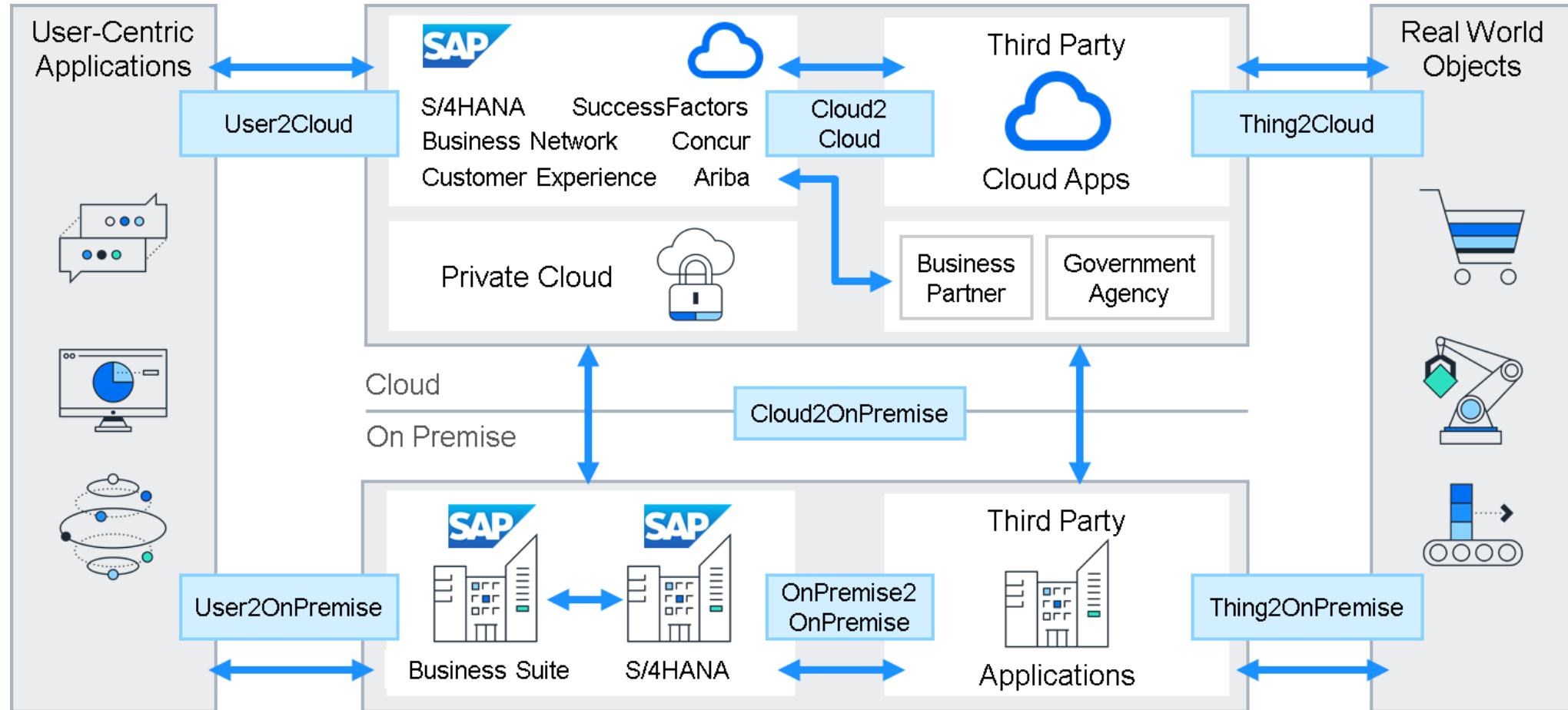
### Exercise 7: Set up an Integration Scenario

After completing this unit, you will be able to:

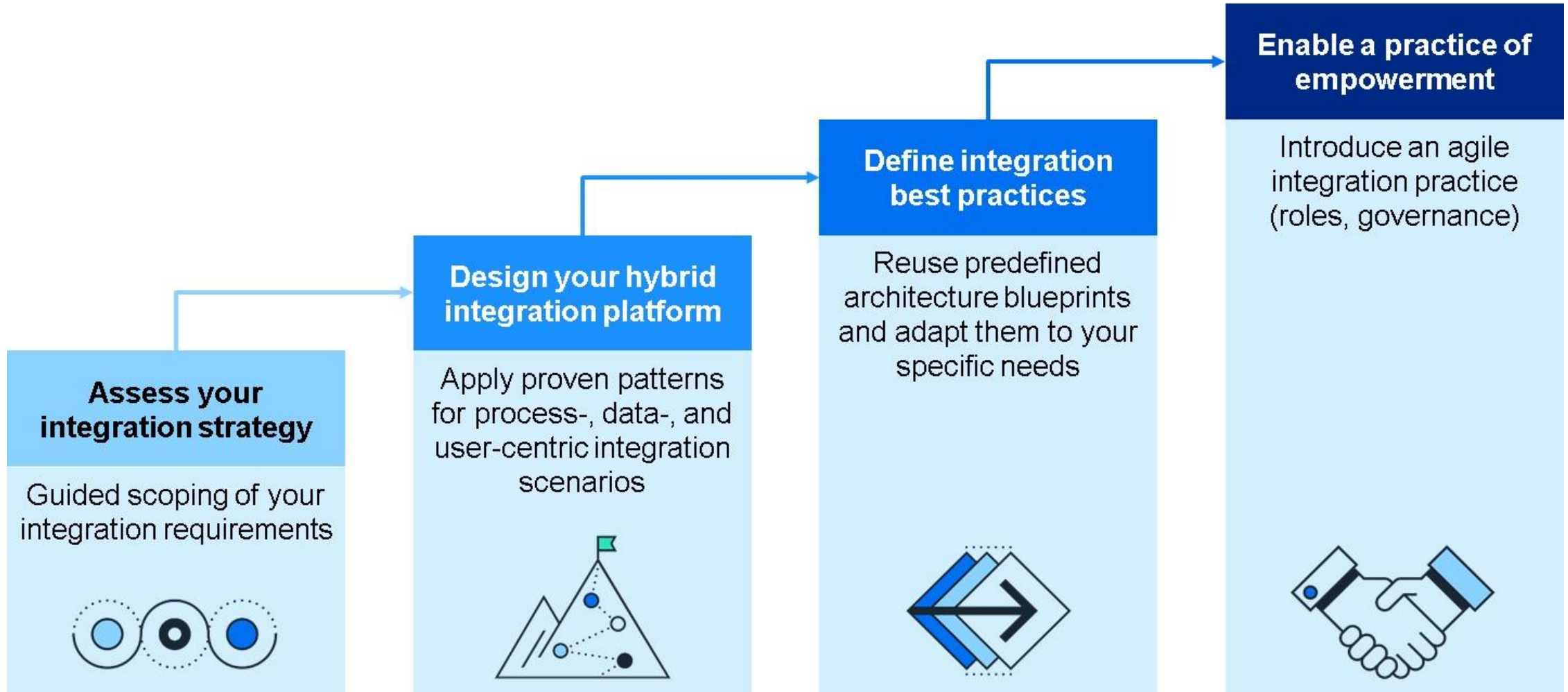
- Analyze the integration landscape with the Integration Solution Advisory Methodology
- Become familiar with the SAP Integration Suite tools
- Identify SAP Best Practices integration packages in SAP Signavio Process Navigator
- Use the Cloud Integration Automation Service to automate SAP Best Practices integrations
- Use the SAP Fiori Communication Management apps to set up an SAP Best Practices integration
- Identify integration content in SAP Business Accelerator Hub
- Monitor integrations with SAP Cloud ALM



# Introduction to Integrations and APIs



# Integration Solution Advisory Methodology



# Key Integration Principles for the Intelligent Enterprise

1 | Out-of-the-box integration



2 | Open integration



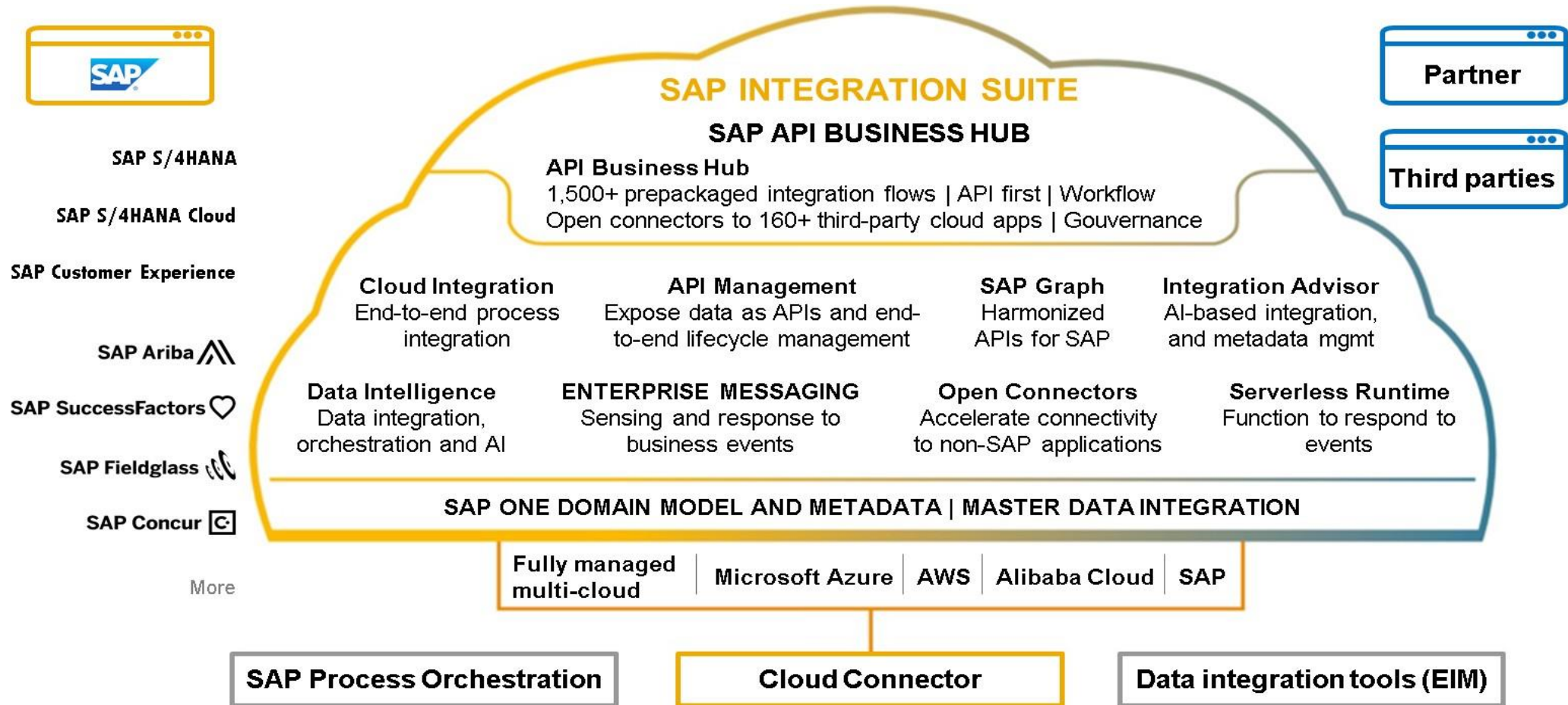
3 | Holistic integration



4 | AI-driven integration

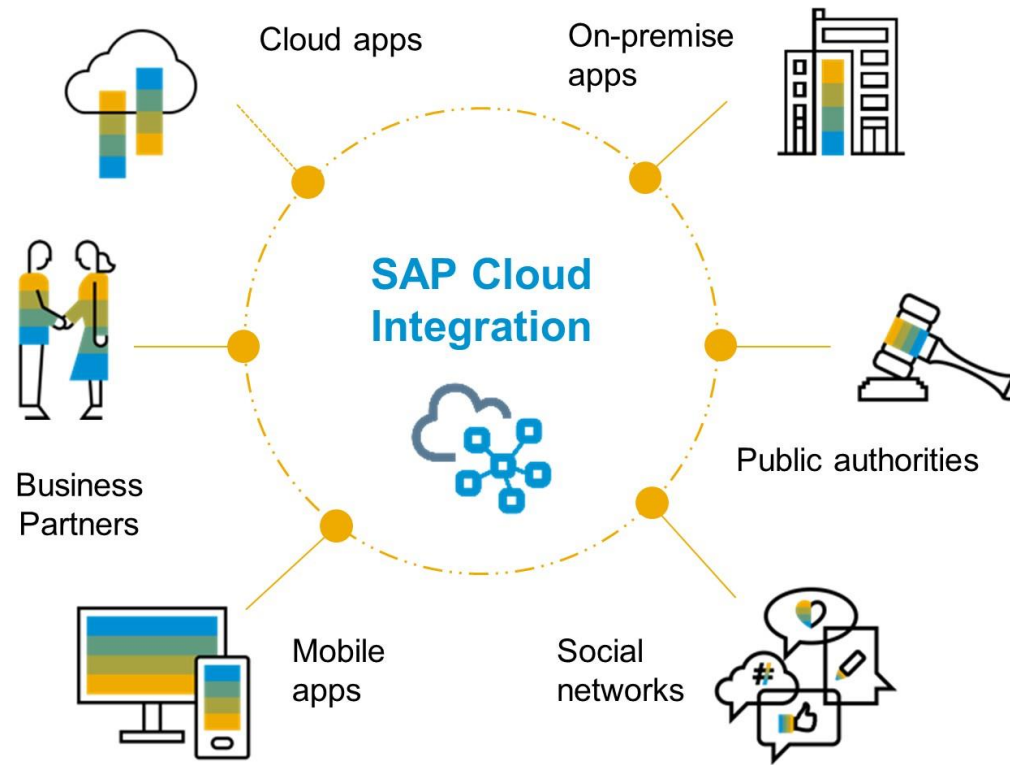


# SAP Business Technology Platform Integration Suite

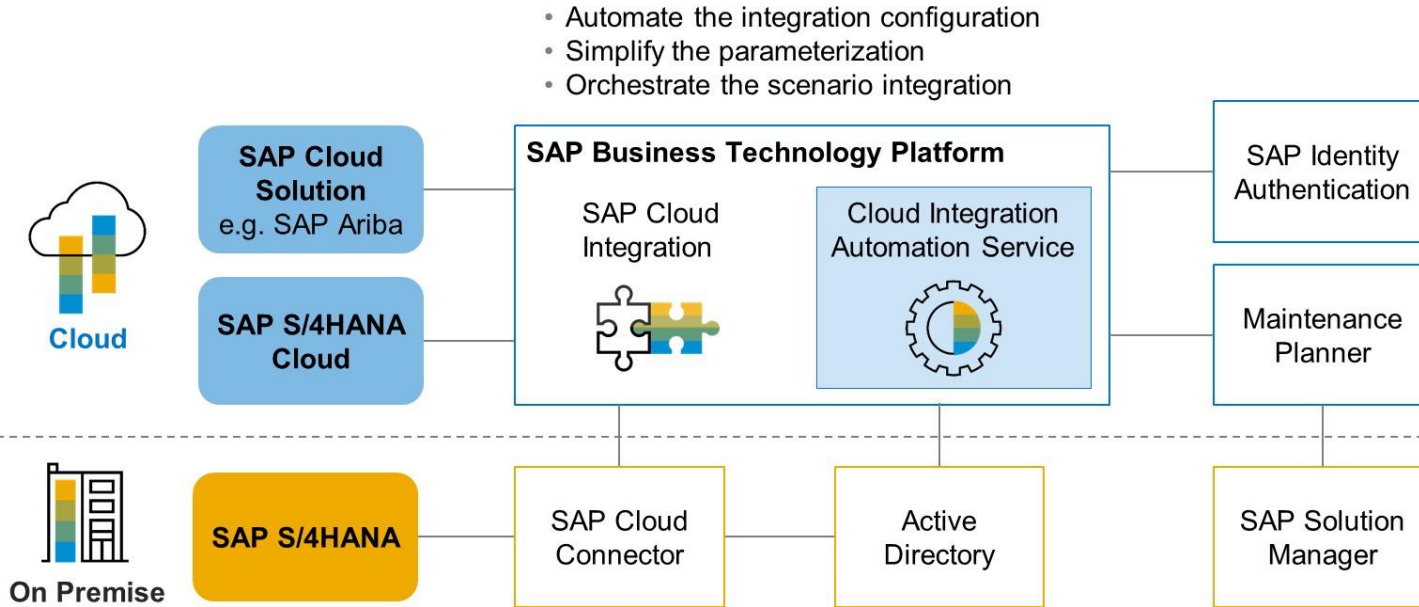


Learn more about the SAP Integration Suite in the [SAP Discovery Center](#).

# SAP Cloud Integration



# Cloud Integration Automation Service



## Task Types in the Cloud Integration Automation Service:

### • Automated Tasks:

- Utilizes APIs from applications for automation.
- Streamlines configuration steps.

### • Semiautomated Tasks:

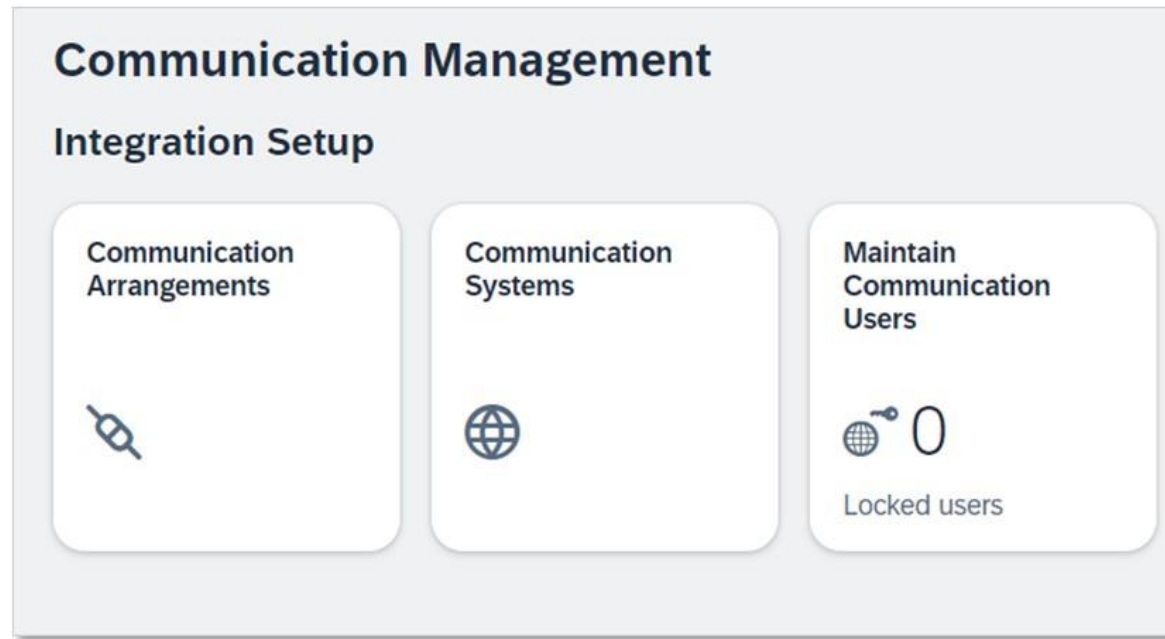
- Partial automation with customer-specific data.
- Involves tasks with semi-automation features.

### • Manual Tasks:

- Requires manual intervention.
- Displays excerpts from the implementation guide.
- Responsible person manually applies necessary settings.



# Create a Communication Arrangement in SAP S/4HANA Cloud



1

Create **Communication User** to provide authentication

2

Create **Communication System** & assign *Communication User*

3

Create **Communication Arrangement** & assign *Communication System*

# Communication Scenarios in SAP S/4HANA Cloud, public edition

## **Maintain Communication Users App:**

- Provides authentication for communication systems.
- Supports authentication methods like basic authentication or security certificate upload.
- Communication user is linked to a communication system, which is then associated with a communication arrangement.

## **Communication Systems App:**

- Enables the creation of a communication system.
- Establishes a communication arrangement.
- Represents the communication partner in an integration scenario.
- Requires registration of systems for data exchange.
- Involves providing technical details such as host name URL, logical system, HTTPS port, etc.
- Inbound Communication: Third-party system calling services provided by SAP S/4HANA Cloud.
- Outbound Communication: SAP S/4HANA Cloud calling services provided by the third-party system.

## **Communication Arrangements App:**

- Creates and edits communication arrangements connecting SAP S/4HANA Cloud to other systems.
- Configures electronic data exchange between the systems.
- The communication scenario determines authorizations, services, and authentication methods.
- SAP Best Practices offers predelivered communication scenarios with setup guides.

## **Display Communication Scenarios App:**

- Displays an overview of all available communication scenarios in SAP S/4HANA Cloud.
- Provides details on scenarios, authentication methods, properties, and status.

## **Maintain SAP Business Technology Platform Extensions App:**

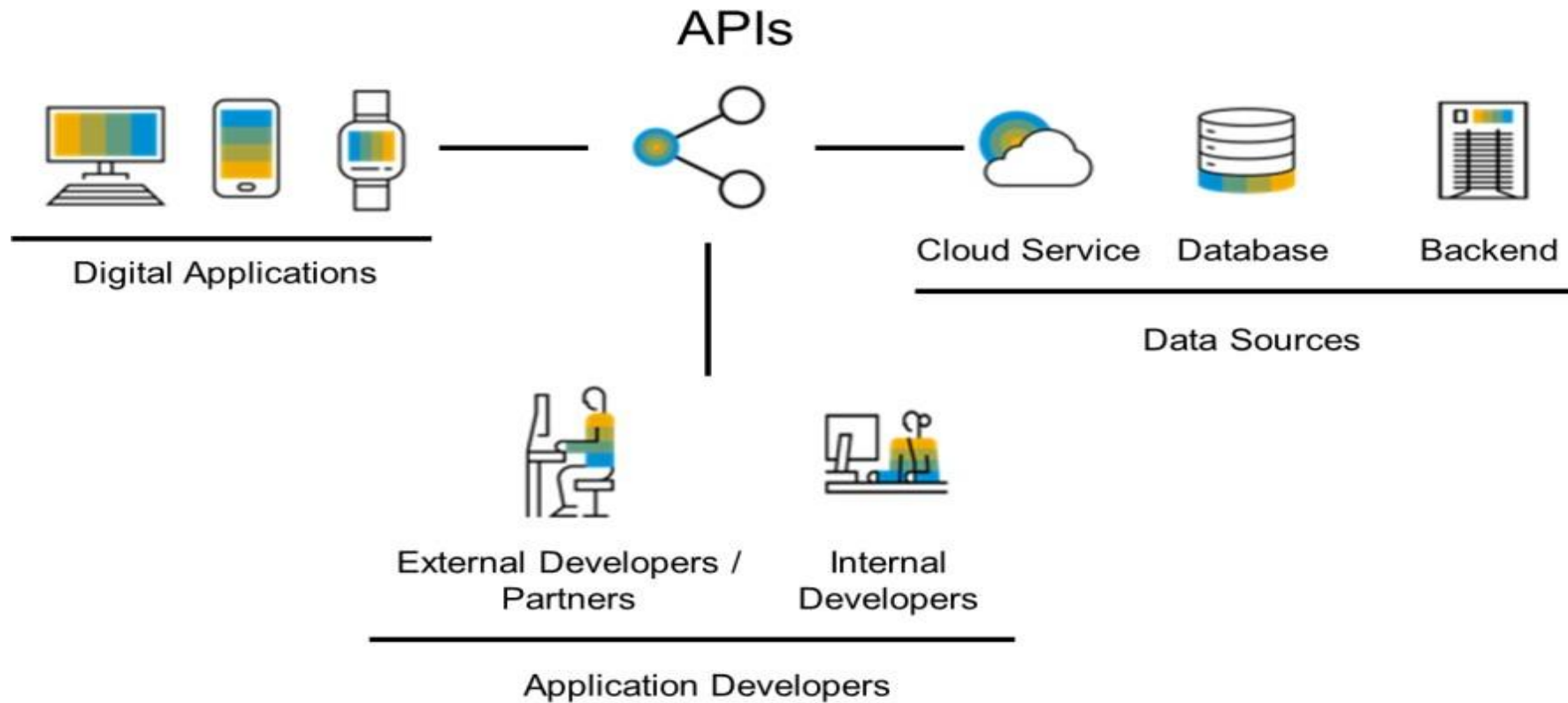
- Creates Business Technology Platform extensions to connect to SAP S/4HANA Cloud.

## **Custom Communication Scenarios App:**

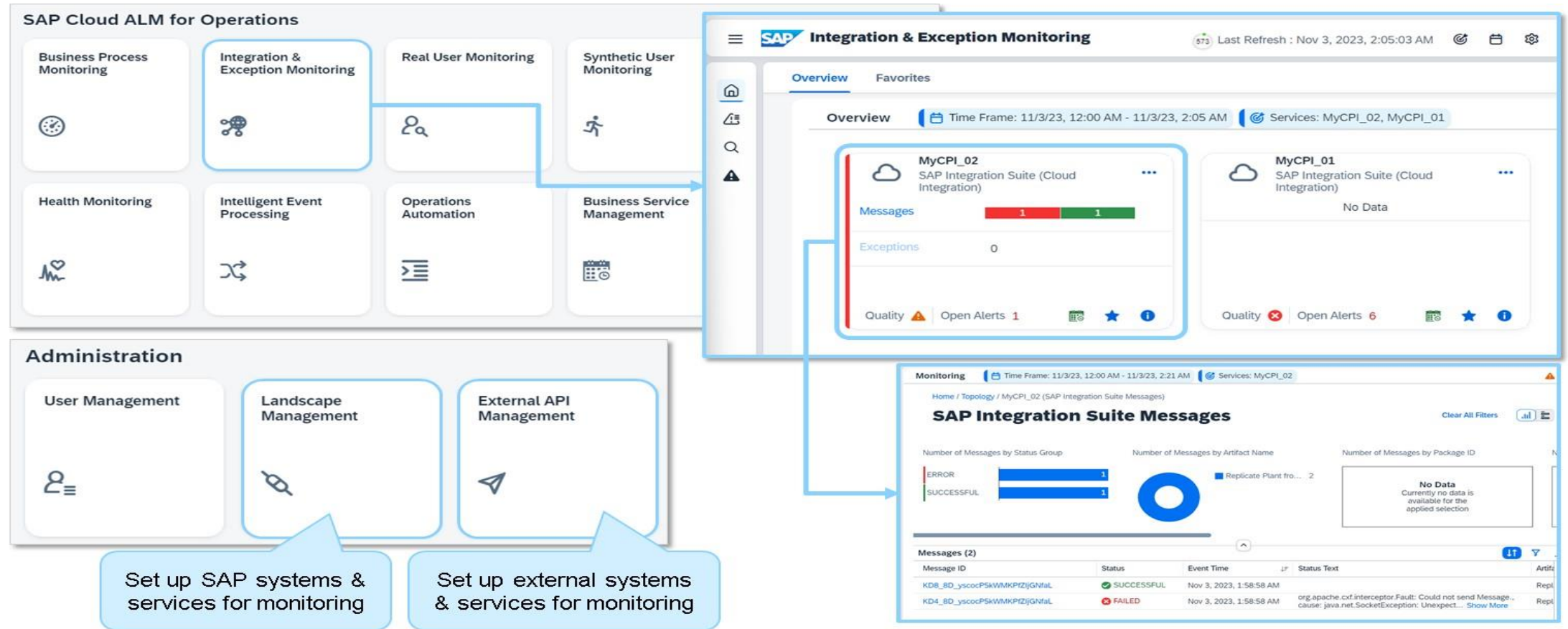
- Creates custom scenarios for later use in the Communication Arrangements app.
- Bundles inbound and outbound communication design-time artifacts.
- Forms the basis of communication between systems.

## [Creating a Communication Arrangement](#)

# SAP Business Accelerator Hub Overview



# Integration Monitoring in SAP Cloud ALM



# Migrating Data

 1 Lesson  1 hr

After completing this unit, you will be able to:

- Get an overview of the SAP S/4HANA Migration Cockpit
- Migrate data to SAP S/4HANA Cloud Public Edition with local templates
- Migrate data to SAP S/4HANA Cloud Public Edition with a remote SAP HANA database
- Migrate data to SAP S/4HANA Cloud Public Edition directly from an SAP ERP system
- Track the status of your migration objects
- Extend your migration objects

Exercise 8: Prepare to Migrate Data

Exercise 9: Migrate Data

Exercise 10: Validate Successful Data Migration

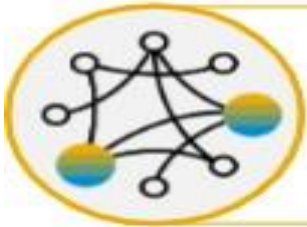
# SAP S/4HANA Migration Cockpit



Included in the licenses  
for all SAP S/4HANA  
deployment options



Pre-configured SAP  
S/4HANA-specific  
migration content



Automated mapping  
between source and target



Guidance and simulation  
for the migration process



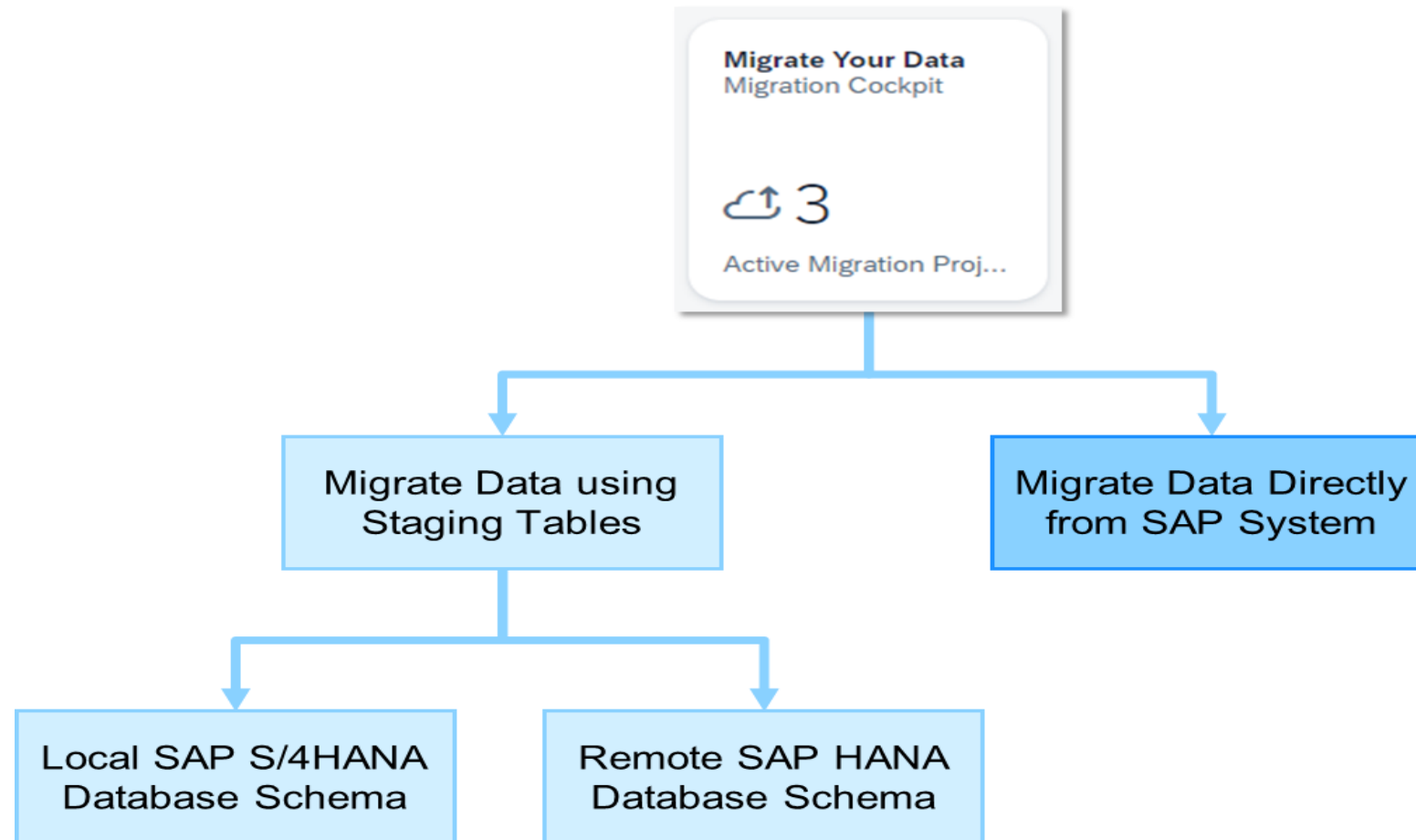
SAP Value Assurance for  
data migration



Lower migration time and  
costs



# Methods of Migration



# Transfer Data Using Template Files

**Transfer data with file templates**  
Select Local SAP S/4HANA Database Schema

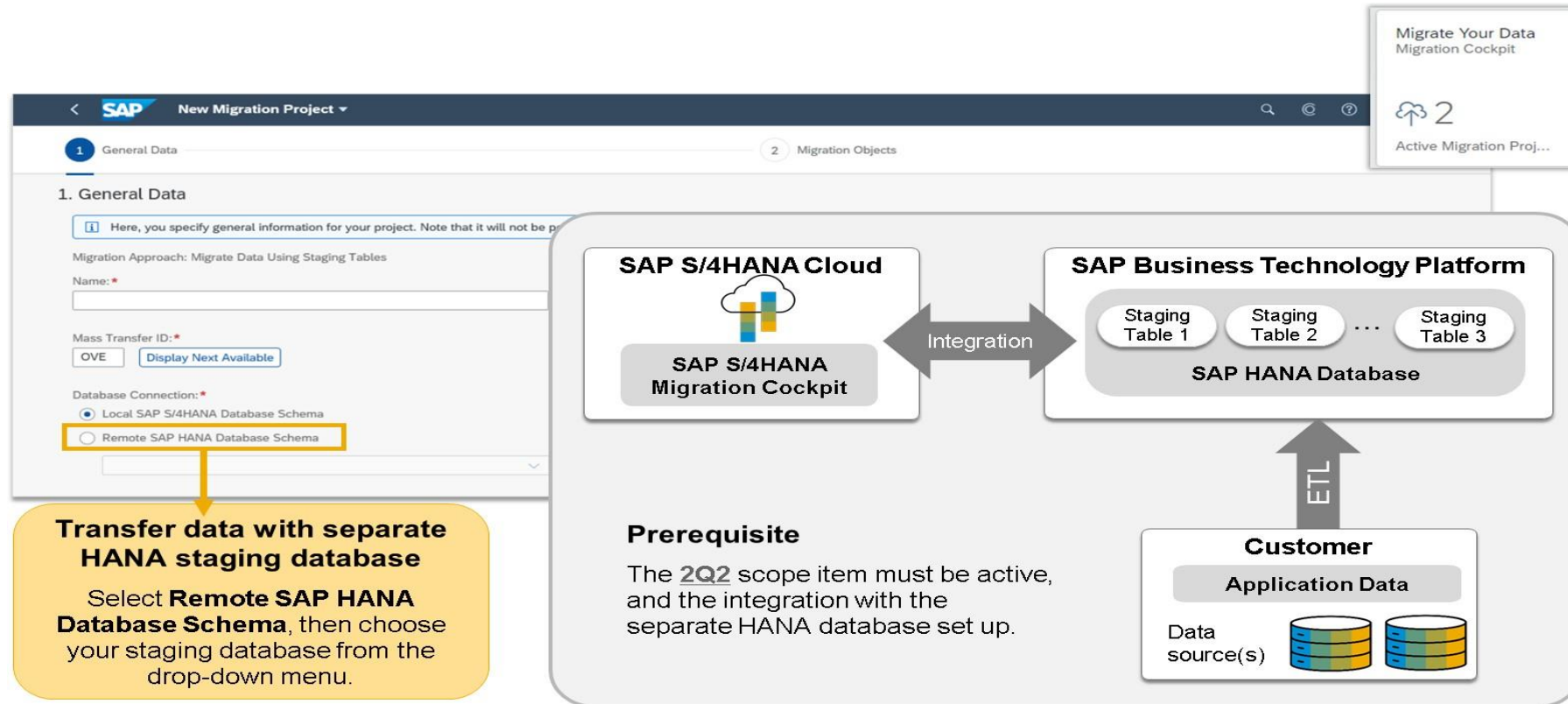
**Guided migration procedure**

**Migration Objects**

Migration Object	Data	Mapping Tasks	Simulation	Migration	Migration Progress
<b>Activity type</b>	Tables: 1	Open: 1	Errors: 0	Errors: 0	
<input type="checkbox"/> 1 Background Jobs	Instances: 0	Done: 0	Successful: 0	Successful: 0	Migration Not Started
<b>Bank</b>	Tables: 1	Open: 0	Errors: 0	Errors: 0	
<input type="checkbox"/> 1 Background Jobs	Instances: 0	Done: 0	Successful: 0	Successful: 0	Migration Not Started
<b>Material (deprecated)</b>	Tables: 14	Open: 1	Errors: 0	Errors: 0	
<input type="checkbox"/> 2 Predecessor Objects	Instances: 0	Done: 0	Successful: 0	Successful: 0	Migration Not Started
<input type="checkbox"/> 1 Background Jobs				Not Started: 0	

[Start Exercise](#)

# Transfer Data Using Separate SAP HANA Staging Database



# Data Migration Status App

Data Migration Status

Imported

Ready for Import

Failed

5.2K

0

0

1 hr. ago

SAP

Data Migration Status

All

Search

Standard

Search

Migration Period:

Migration Project:

Object Name:

By Date

By Type

By Priority

⚠ Data migration results available

Data migration results are available for the object Bank of the project Bank

Just now

Migration Objects (5)

Object Name	Imported	Ready for Import	Failed	Total Records	Progress	Extended Statistics
<input type="radio"/> Bank	0	1	0	1	<div>100%</div>	<a href="#">Statistics</a>
<input type="radio"/> CO - Cost center	2,000	0	0	2,000	<div>100%</div>	<a href="#">Statistics</a>
<input type="radio"/> CO - Profit center (deprecated)	1,000	0	0	1,000	<div>100%</div>	<a href="#">Statistics</a>
<input type="radio"/> Customer	1,100	0	0	1,100	<div>100%</div>	<a href="#">Statistics</a>

# Extended Statistics in the Data Migration Status App

The screenshot illustrates the process of configuring extended statistics in the SAP Data Migration Status app. It shows the main migration objects list, a context menu for selecting categories, and a detailed view of the 'Set Extended Statistics' configuration screen.

**Data Migration Status Summary:**

Imported	Ready for Import	Failed
5.2K	0	0

1 hr. ago

**Migration Objects (5)**

Object Name	Imported	Ready for Import	Failed	Total Records	Progress	Extended Statistics
Bank	0	1	0			
CO - Cost center	2,000	0	0			
CO - Profit center (deprecated)	1,000	0	0			

**Statistics**

**Master Record (2000)**

- Company Code
- Cost Center Category

**Set Extended Statistics**

Switching off "Log Extended Statistics" not only stops new data from being logged, it also deletes previously logged data.

**Log Extended Statistics**

Object Name	Log Extended Statistics
HOME_CS	ON
AVC - Assign global dependency to characteristic	ON
AVC - Assign global dependency to characteristic value	ON
AVC - Characteristics group	ON
AVC - Configuration profile (restricted)	ON
AVC - Constraint	ON
AVC - Dependency net	ON
AVC - Material variant	ON
AVC - Material variant (deprecated)	ON
AVC - Object dependencies	ON
AVC - Variant table entry	ON
AVC - Variant table structure	ON
Bank	ON
Batch unique at material and client level	ON
Business solution order	ON

**CO - Cost center**

Company Code: In Master Record

Source Value	S/4HANA Target Value	Imported	Ready for Import	Failed	Total Records
1010	1010	2,000	0	0	2,000

# Testing Configured Business Processes

 3 Lessons    2 hrs 10 mins

After completing this unit, you will be able to:

- Explain the types of tests and overall test strategy
- Prepare manual test cases for user acceptance testing in SAP Cloud ALM
- Get familiar with the Test Automation Tool
- Adapt test automates to align with customized business processes
- Create a test user and customer-specific test plan
- Provide consent for post-upgrade tests conducted by SAP
- Analyze results of automated tests

Exercise 11: Copy and Edit a Standard Test Automate Process

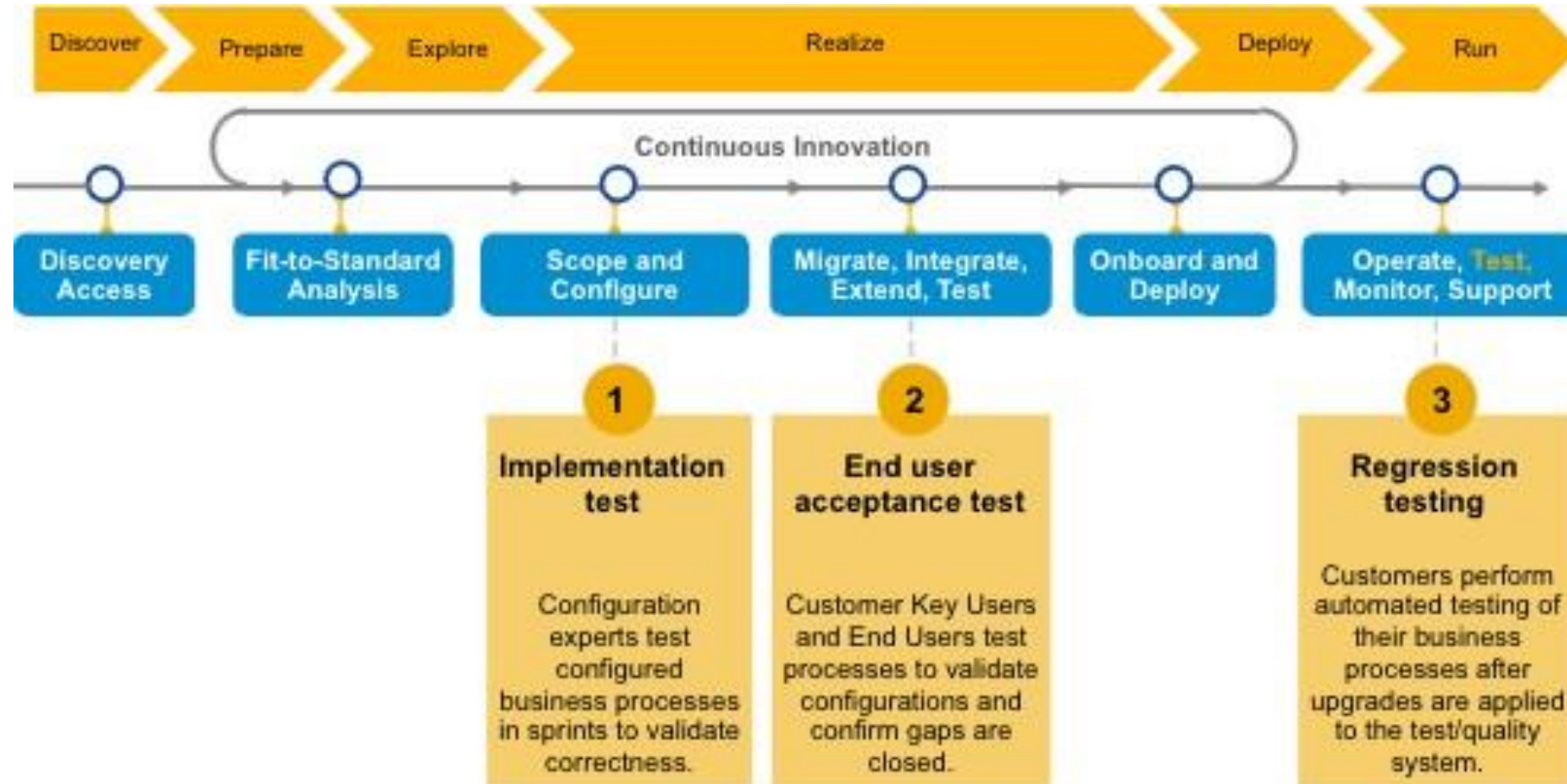
Exercise 12: Create a Test User

Exercise 13: Create a Test Plan

Exercise 14: Provide Consent for Post-Upgrade Testing by SAP



# Testing Mapped to the SAP Activate Roadmap Phases



# Test Management with SAP Cloud ALM

Access the [SAP Cloud ALM Internet Demo System](#).

The image displays the SAP Cloud ALM interface for test management. It includes a navigation menu, a 'Test Preparation' view showing process flows and test cases, a 'Test Execution' view showing test case progress, and a 'Test Cases' detail view. A central graphic highlights the 'SAP Cloud ALM' logo and the 'partnership with Tricentis Test Automation'.

**SAP Cloud ALM for Implementation**

Overview	Projects	Tasks	Processes
Notes	Project Landscape	Test Preparation	Test Execution

**SAP Cloud ALM** + **partnership with Tricentis Test Automation**

**Test Preparation**

Test Readiness Overview  
Filtered by (1): Project

Process Flows (235)

Title	Test Cases Prepared	Test Readiness
1E1 - Goods Receipt from Production	1 of 3	<input checked="" type="checkbox"/>
Scope: Forecast		
Business Process: Quality Management in Discrete Manufacturing (1E1)		
Saudi Arabia		
1E1 - Within Production Process	0 of 1	<input type="checkbox"/>

**Test Execution**

Test Execution  
Filtered by (1): Project

Process Flows (8)

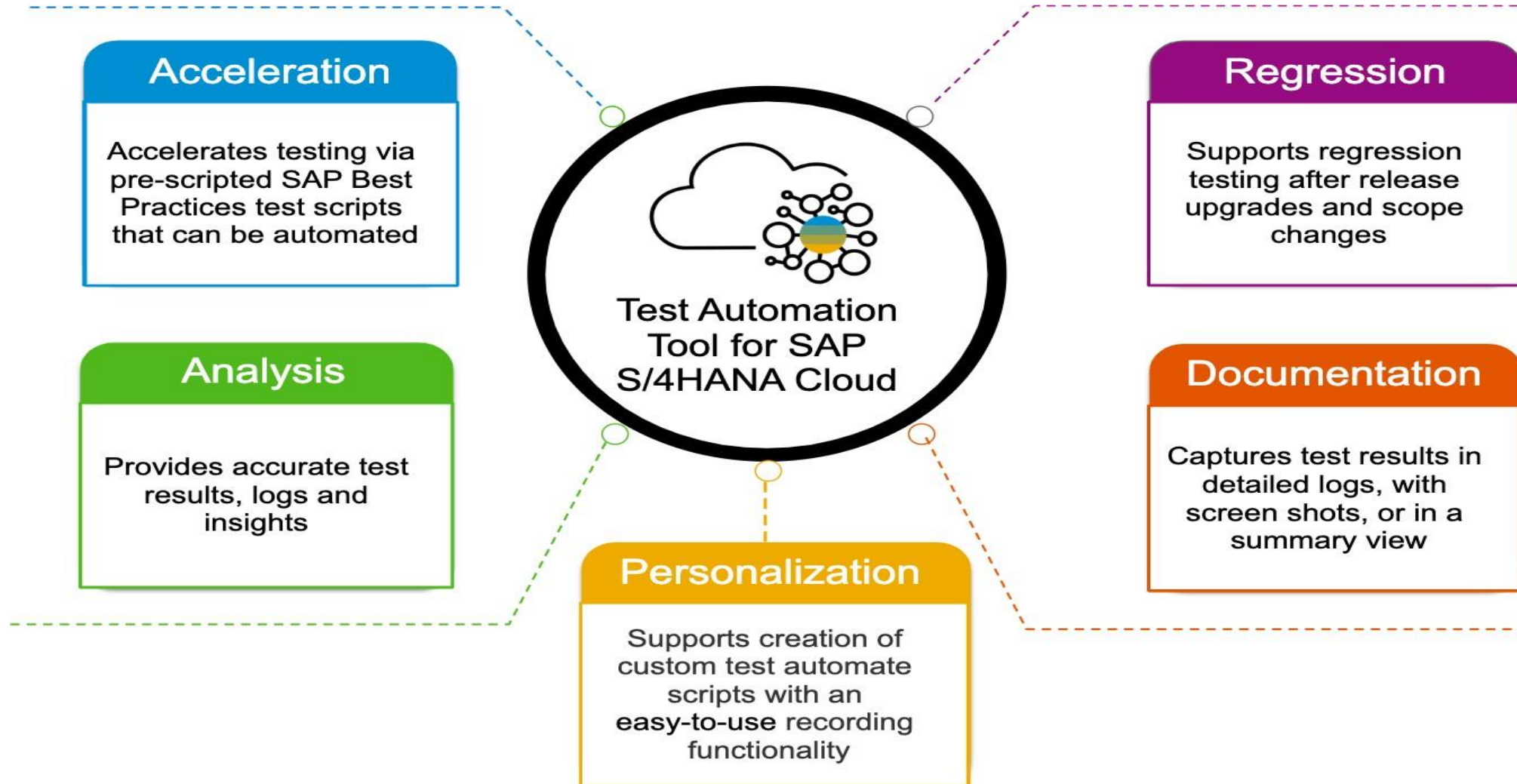
Title	Test Cases	Test Progress
J60 - 06 - Online Payments	2	100%
Scope: Forecast to Produce		
Business Process: Accounts Payable (J60)		
Saudi Arabia		

**Test Cases**

Test Cases (2)

Test Case Information	Last Changed	Test Progress	Execute
<input type="checkbox"/> J60 - 06 - Online Payments MANUAL	Feb 2, 2021, 8:12 AM Charlie Change	50%	Execute
<input type="checkbox"/> J60 - 06 - Online Payments MANUAL	Nov 27, 2020, 3:32 AM Agatha Bauer	100%	Execute

# Test Automation Tool for SAP S/4HANA Cloud



# Adapt Test Automates

## **Standard Test Automates/Processes:**

- Created and delivered by SAP according to SAP Best Practice processes.
- Users can view standard automates based on active scope items in their Q-System.
- Not editable or deletable by users.

## **Custom Test Automate/Process:**

- Users can create custom test processes by either copying from standard processes or creating new ones to align with specific business needs.
- Custom test processes are tailored to the organization's unique requirements.

## **Post Upgrade Test Automate/Process:**

- Created by SAP with the focus on testing key functionalities of applications based on active scope in the Q-system after an upgrade.
- Post upgrade tests are performed by SAP, contingent upon customer consent.

# Manage Your Test Processes

<

SAP

Manage Your Test Processes ▾

Test Processes (443)

Search by name or scope item 🔍

Inbound Storage Tank Management - Process...

Standard 3UK

Cross Country

Stock Transfer with Delivery

Standard BME

Cross Country

Make-to-Stock with Silo Material - Process Manufacturing

Standard 3UL

Cross Country

Warehouse Production Integration

Standard 3DV

Cross Country

Lean Incident Management Reporting

Standard 3FP

Cross Country

Manage Material Valuations (PUT)

Post-Upgrade Tests 1ZT

Test Process Details

Inbound Storage Tank Management - Process Manufacturing

Standard

Inbound Storage Tank Management - Process Manufacturing (3UK)

Process Steps (21)

Step Number	Name	Type	Business Role	Release Compatibility
1	Create Info Record for Material SG1010	Standard	DEFAULT	>
2	Stock Initiation for Batch #1 into Main Tank	Standard	DEFAULT	>
3	Create Purchase Order	Standard	DEFAULT	>
4	Post Goods Receipt for Purchase Order	Standard	DEFAULT	>
5	Display Material Stock before Quality Inspection	Standard	DEFAULT	>
6	Display Open Inspection Lot	Standard	DEFAULT	>
7	Record Inspection Results	Standard	DEFAULT	>
8	Make Usage Decision	Standard	DEFAULT	>
9	Display Material Stock after Quality Inspection	Standard	DEFAULT	>
10	Create Process Order for Mixing	Standard	DEFAULT	>
11	Execute Batch Determination in Process Order	Standard	DEFAULT	>
12	Review Process Order	Standard	DEFAULT	>
13	Goods Issue Via Pick List	Standard	DEFAULT	>
14	Manual Goods Issue - Instead of Picking List	Standard	DEFAULT	>

📄

📄

📄

+

Automated Testing

Analyze Automated Test Results

Test Result Dashboard

📊

Manage Your Test Process

Manage End to End ...

📝 443

Test Your Process

Manage Test Plans

🔍 2

Visible in Test Plan

Test Process Information

Edit Copy Download Adapt Test Process



# Test Data Containers

### Customized Process: Customer Project Management J11

Custom

11

1

Process StepsTDCs

Process Steps (11)

Step Number	Name	Type	Role	Release Compatibility
1	Create a New Customer Project	Custom (UI)	DEFAULT	
		Standard (UI)	DEFAULT	
		Standard (UI)	DEFAULT	
		Standard (UI)	DEFAULT	
		Standard (UI)	DEFAULT	

Bind TDC Field

Change Visibility

Edit

Copy

Delete

Download

Adapt Test Process

Visible in Test Plan

Test Process Information

### Process: Customized Process: Customer Project Management J11

Process Fields

Customized Process: Customer Project Managem...

1. Create a New Customer Project

Label	Value	Data Binding
<input type="radio"/> Customer		
<input type="radio"/> Customer Name	Ausländischer Kunde 50 (US)	
<input type="radio"/> Customer	10100001	
<input type="radio"/> List	\$LISTINDEX[1]	
<input type="radio"/> Project ID	\$TIMESTAMP	
<input type="radio"/> Project Name	\$TIMESTAMP	
<input type="radio"/> Stage	In Planning	

PROJECTS AND ENGAGEMENTS (80)

Auto Bind

Search

☐ Account Assignment Category Description

☐ Activity Type

☐ Billing Type

☐ Billing Type Down Payment Request

☐ Billing Type Invoice

☐ Business Partner Number

☐ CONDITION CURRENCY

☐ Company Code

☐ Company Code Intercompany

☐ Condition Type

Unbind All

Save

Cancel

Reusable containers of data so tests don't fail because they can't fetch available data



# Create Test Plans

SAP

Test Your Processes

Test Plans (0)

Search for Test Plan

REFRESH

Post-Upgrade Tests

Customer Tests

No data

Create Test Plan

Test Plan Name:

Automated Testing

Analyze Automated Test Results  
Test Result Dashboard

Manage Your Test Process  
Manage End to End ...

Test Your Process  
Manage Test Plans

443

2

Test Processes

Search by name or scope item

Name	Scope Item	Country	Type	Application Area
<input type="checkbox"/> Accelerated Customer Returns	BKP	XX	Standard	Sales
<input type="checkbox"/> Sales Order Processing - SEPA Direct Debit Handling	BKX	XX	Standard	Sales
<input type="checkbox"/> Market Data Feed from SAP Cloud Platform	154	XX	Standard	Finance
<input type="checkbox"/> Convergent Billing	1MC	XX	Standard	Sales
<input type="checkbox"/> List Incomplete Sales Documents (PUT)	SLS_LST_INCOMP50_01	XX	Post-Upgrade Tests	Sales
<input type="checkbox"/> Manage Sales Quotation (PUT)	SLS_MNG_SLSQT_01	XX	Post-Upgrade Tests	Sales
<input type="checkbox"/> Supplier Invoices List (PUT)	PRC_DSP_SUP_INV_LST_01	XX	Post-Upgrade Tests	Sourcing and Procurement
<input type="checkbox"/> Display Chart of Accounts (PUT)	FIN_DSP_CHT_ACCNT_01	XX	Post-Upgrade Tests	Finance
<input type="checkbox"/> Display Sales Order for Services - Blocking,Unblocking(PUT)	PS_DSP_SOS_01	XX	Post-Upgrade Tests	Project Services
<input type="checkbox"/> Create Supplier Invoice - Advance (PUT)	PRC_CRT_SUP_INV_ADV_01	XX	Post-Upgrade Tests	Sourcing and Procurement
<input type="checkbox"/> Release Billing Proposal - Timesheet Entry Deletion(PUT)	PS_RBP_04	XX	Post-Upgrade Tests	Project Services
<input type="checkbox"/> Manage Supplier Quotations (PUT)	PRC_MNG_SUP_QUO_01	XX	Post-Upgrade Tests	Sourcing and Procurement
<input type="checkbox"/> Enter Inventory Count(PUT)	SC_CHG_INV_CNT_01	XX	Post-Upgrade Tests	Supply Chain
<input type="checkbox"/> Create Purchase Order - Advanced	PRC_CRT_PUR_ORD_ADV_01	XX	Post-Upgrade Tests	Sourcing and Procurement

Save

Cancel

Start Exercise

## Post-Upgrade Tests

Test	Description
Post-Upgrade Testing (Automated)	A customer may grant SAP permission to carry out Post-Upgrade Testing (PUTs) on their behalf using the Test Automation Tool. If permission is granted and the prerequisites are completed, SAP will automatically execute post upgrade test scripts in the customer's Test system and the customer can review the completed test results to address any issues. PUTs are typically unit or string tests, but do not typically cover entire business processes.
Customer Testing (Automated)	A customer can use the Test Automation Tool to run automated scripts that align with the SAP Best Practice business processes. If a customer-specific configuration prevents the usage of the standard test process, the customer can make a copy of the existing process and customize it. Customers can also create entirely custom business processes from scratch with the tool.
Regression Testing (Manual)	If a predefined automated test script is not available or viable, customers can use SAP Cloud ALM Test Management to build and track completion of manual test cases.

# Test Result Analysis

<

SAP

Test Your Processes ▾

Search for Test Plan

🔍

✕

1FM\_1802\_HFC2\_AE

100%  
Coverage

Success

01/18/2018, 19:56:32

HF2\_J45\_NL

100%  
Coverage

Success

01/18/2018, 19:55:53

1E3\_CN

100%  
Coverage

Success

01/18/2018, 19:43:36

BFC test

100%  
Coverage

Success

01/18/2018, 19:37:27

22z\_po

100%  
Coverage

Success

Test Plans (2715)

Test Plan Details

1FM\_1802\_HFC2\_AE

Created By: Kishan I318964

Created On: 01/18/2018, 19:52:16

Success

Last Run By: Kishan I318964

Last Run On: 01/18/2018, 19:56:32

Processes

Variants

Logs

Test Processes (1)

Name	Type	Application Area	Status	Progress
Quality Management in Procurement	Standard	Supply Chain	<div></div>	<div>100%</div>

Re-Execute

Edit

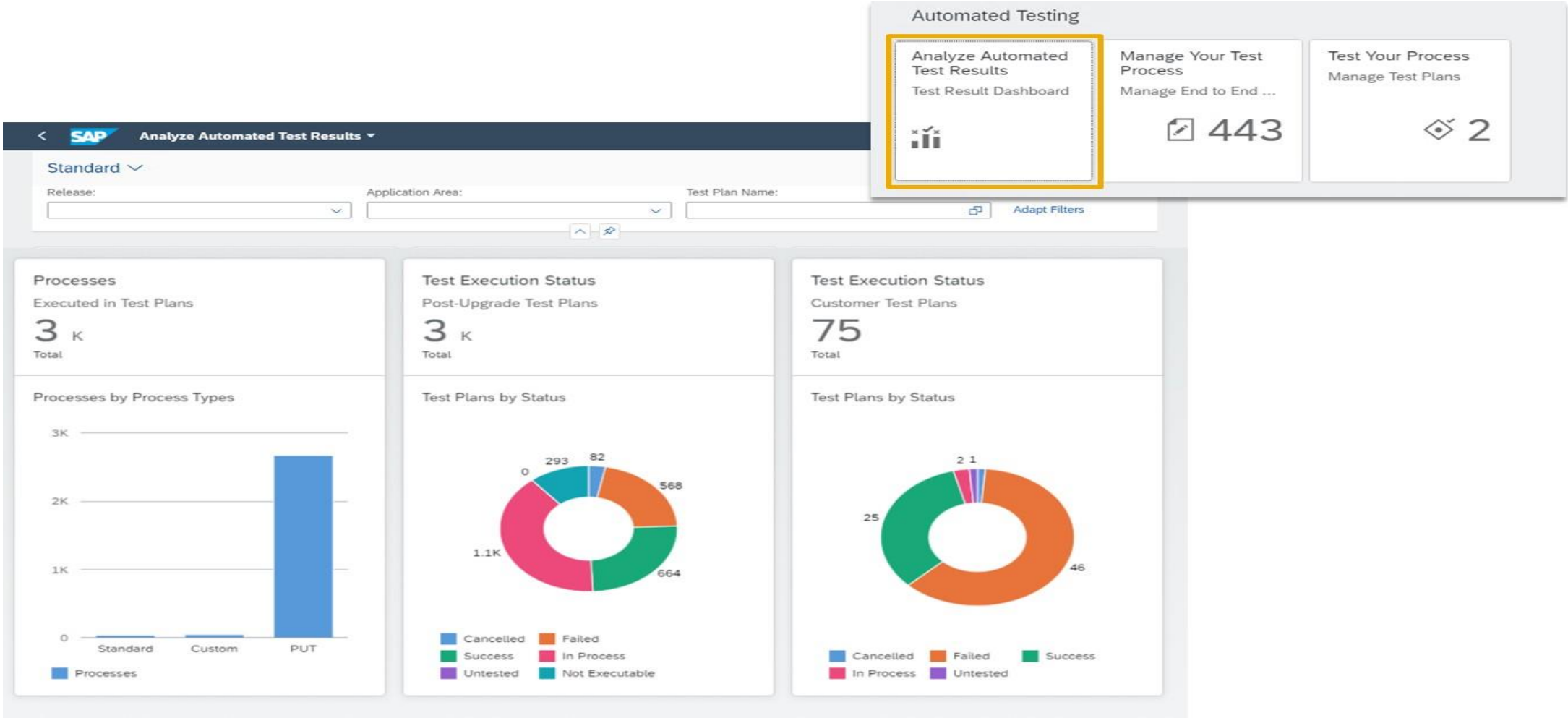
Copy

Delete

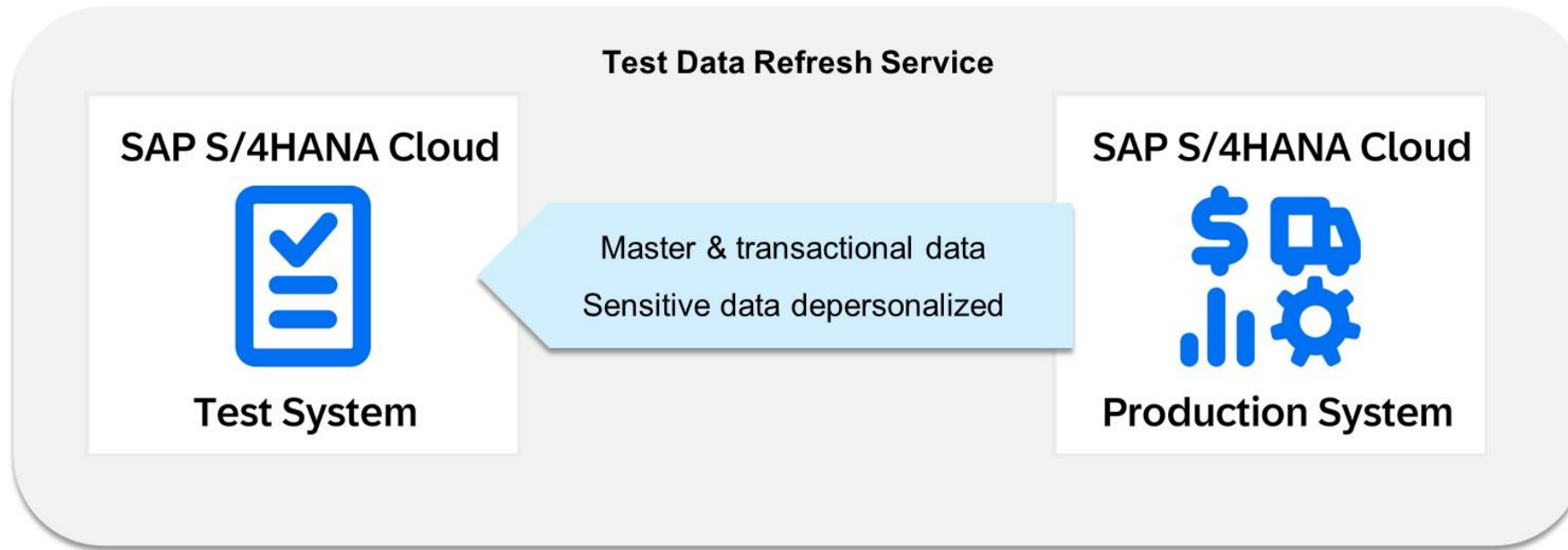
Download

Print

# Analyze Automated Test Results



# Test Data Refresh service for SAP S/4HANA Cloud Public Edition







## Test Data Refresh Service:

- Transfers application data from production system to test system.
- Ensures test system contains recent transactional and master data from production.
- Helps customers run business process tests against current production data.
- Sensitive data depersonalized to comply with GDPR.
- Additional fee may apply for this service.



# Thank You

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19/1, 46300 Petaling Jaya, Selangor, Malaysia

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