

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/

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% 

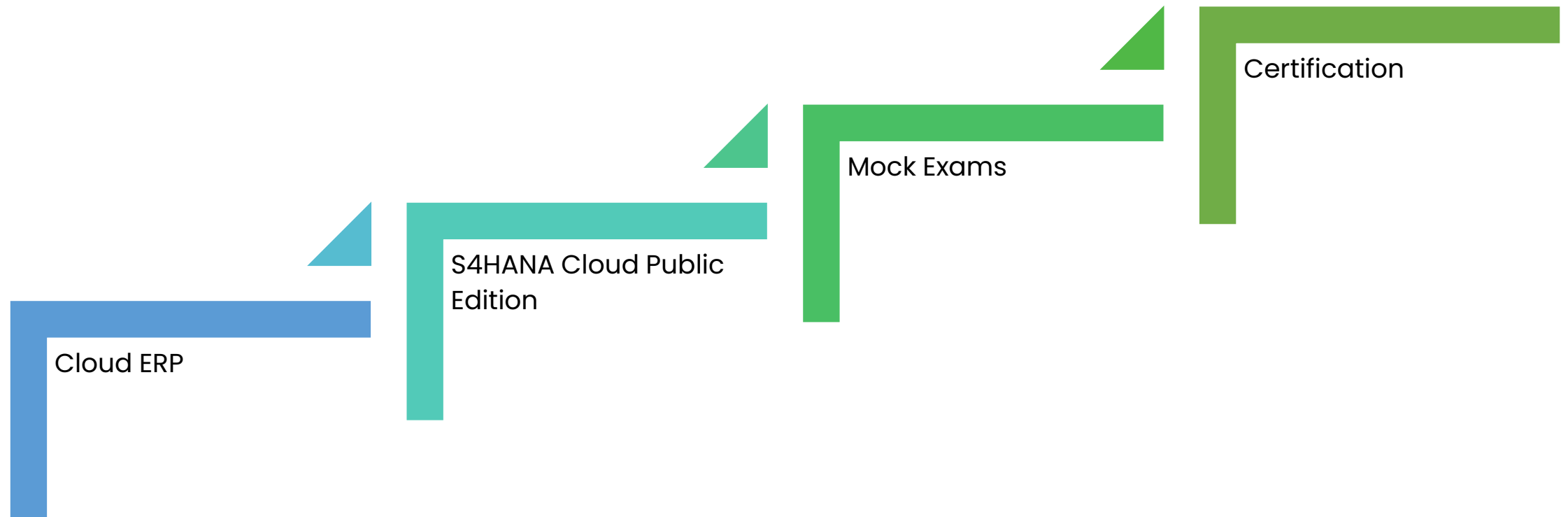
Configuration and the SAP Fiori Launchpad 11% - 20% 

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

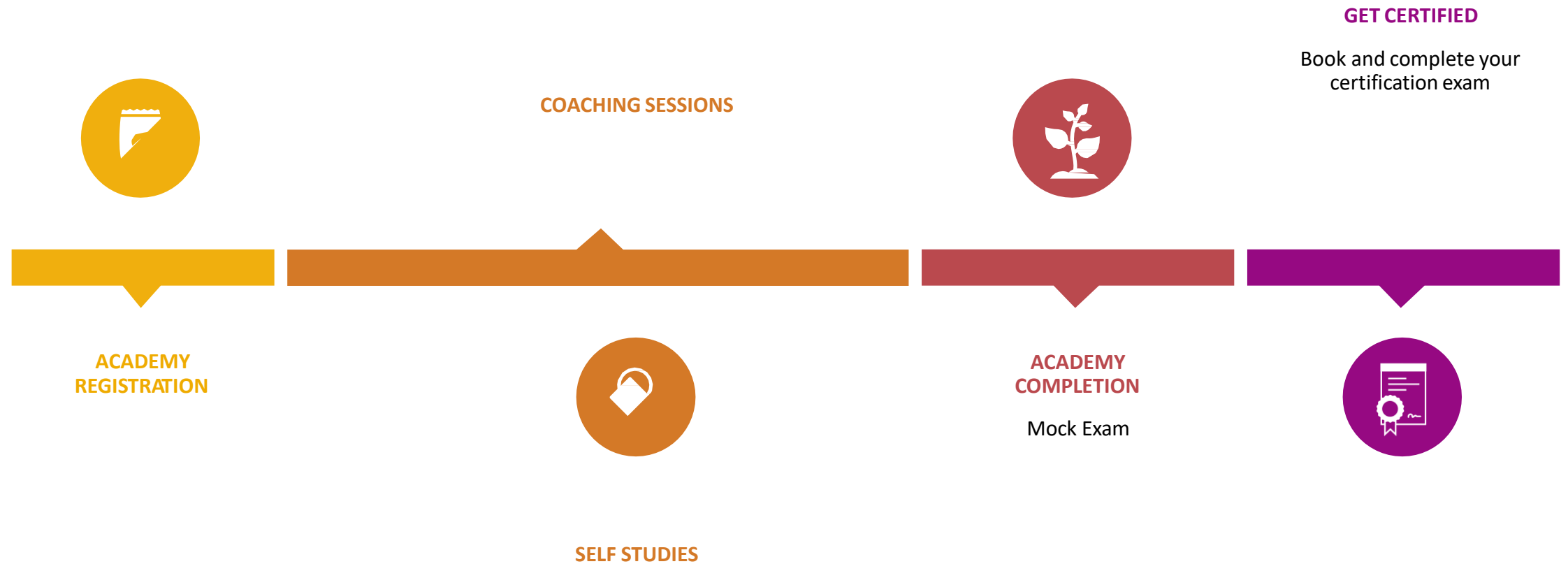
[Exploring SAP Cloud ERP](#)

[Start learning](#)

Certification Course Academy



Certification Journey



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

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

Schedule

Day	Weekday	Time	Type	Topic
6-May-2024	Monday	9AM to 1PM SGT	Coaching Session	Beginner – Cloud ERP
20-May-2024	Monday	9AM to 5PM SGT	Coaching Session	Intermediary – S/4HANA Cloud Public Edition
27-May-2024	Monday	9AM to 1PM SGT	Mock Exam	
3-Jun-2024	Monday	9AM to 1PM SGT	Coaching Session	<ul style="list-style-type: none">• Final Revision• Book Exam

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

Day 1 Quiz

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

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

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

Implementing with a Cloud Mindset



6 Lessons



1 hr 10 mins

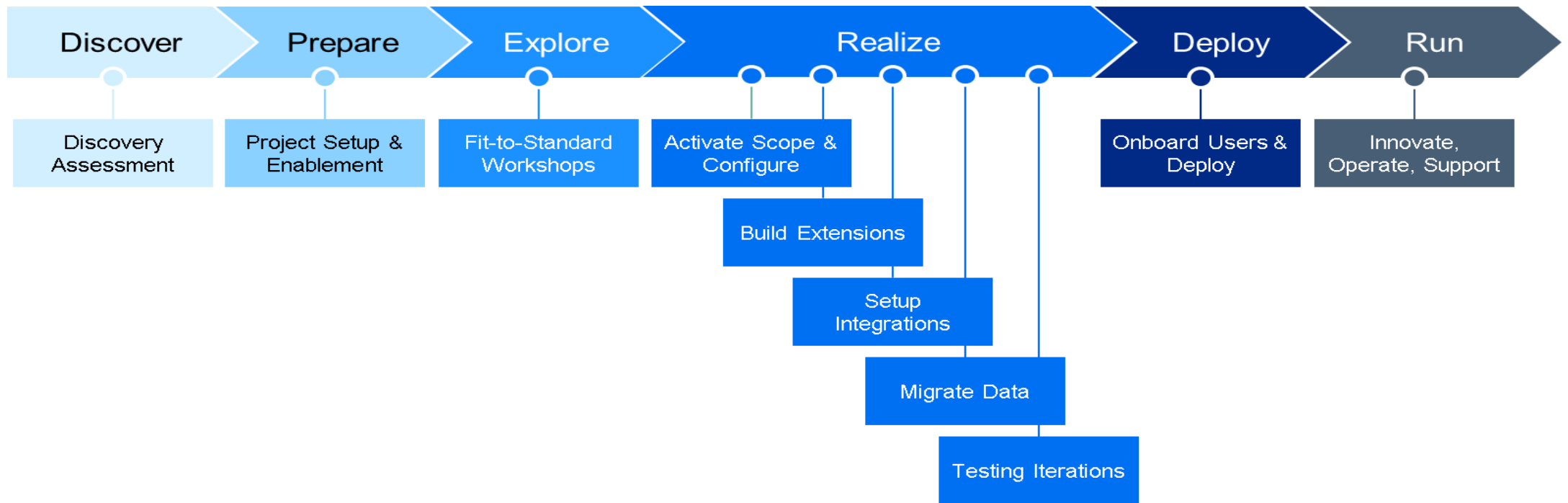
After completing this unit, you will be able to:

- 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



Exploring SAP's Cloud Integration Technologies

Cloud Integration Technologies

Evaluate integration landscape with the
Integration Solution Advisory Methodology



Identify integration
requirements



1

Search for SAP-built integration processes in **SAP Signavio Process Navigator**

2

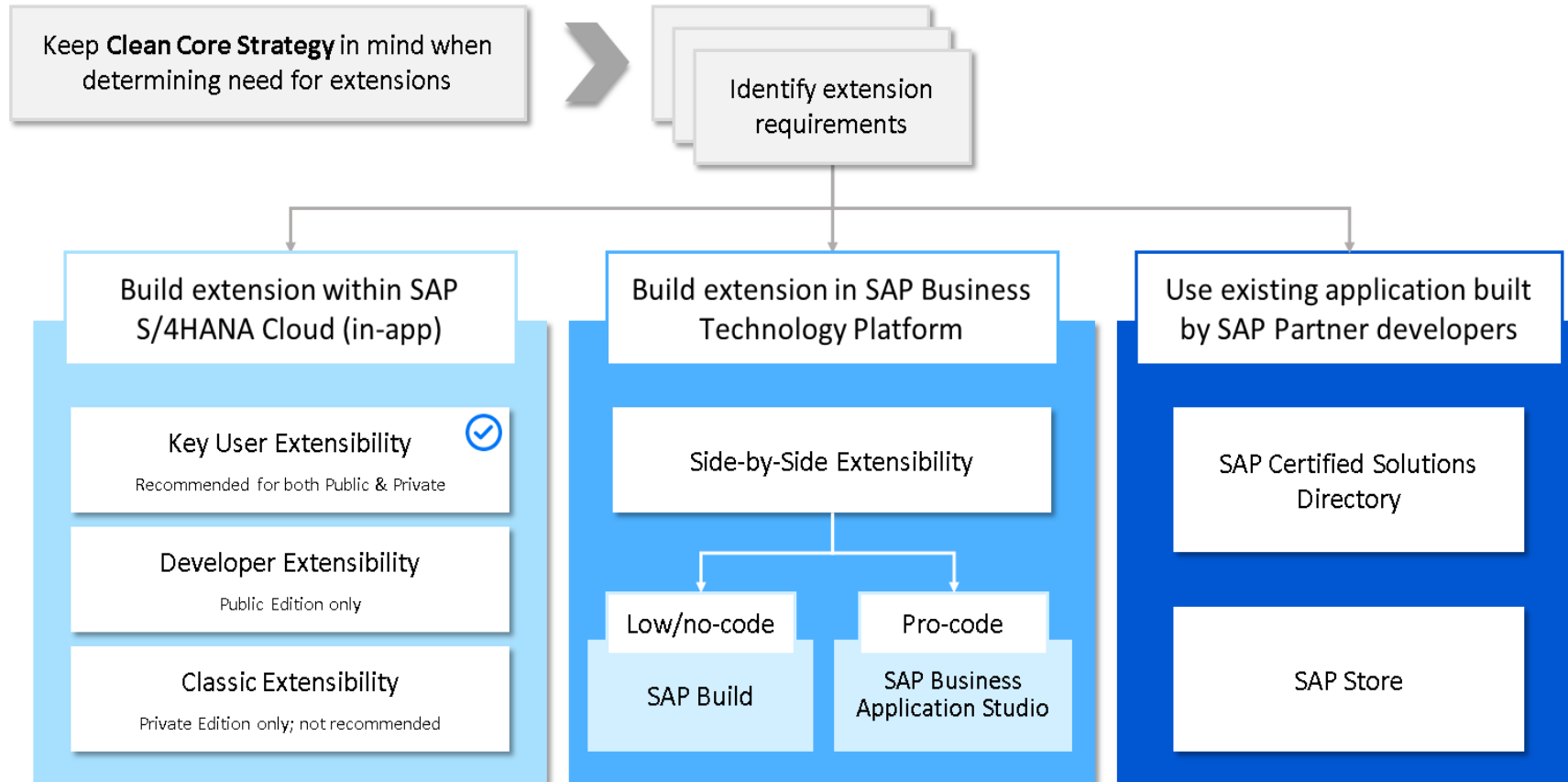
Search for partner-built integration packages in **SAP Business Accelerator Hub**

3

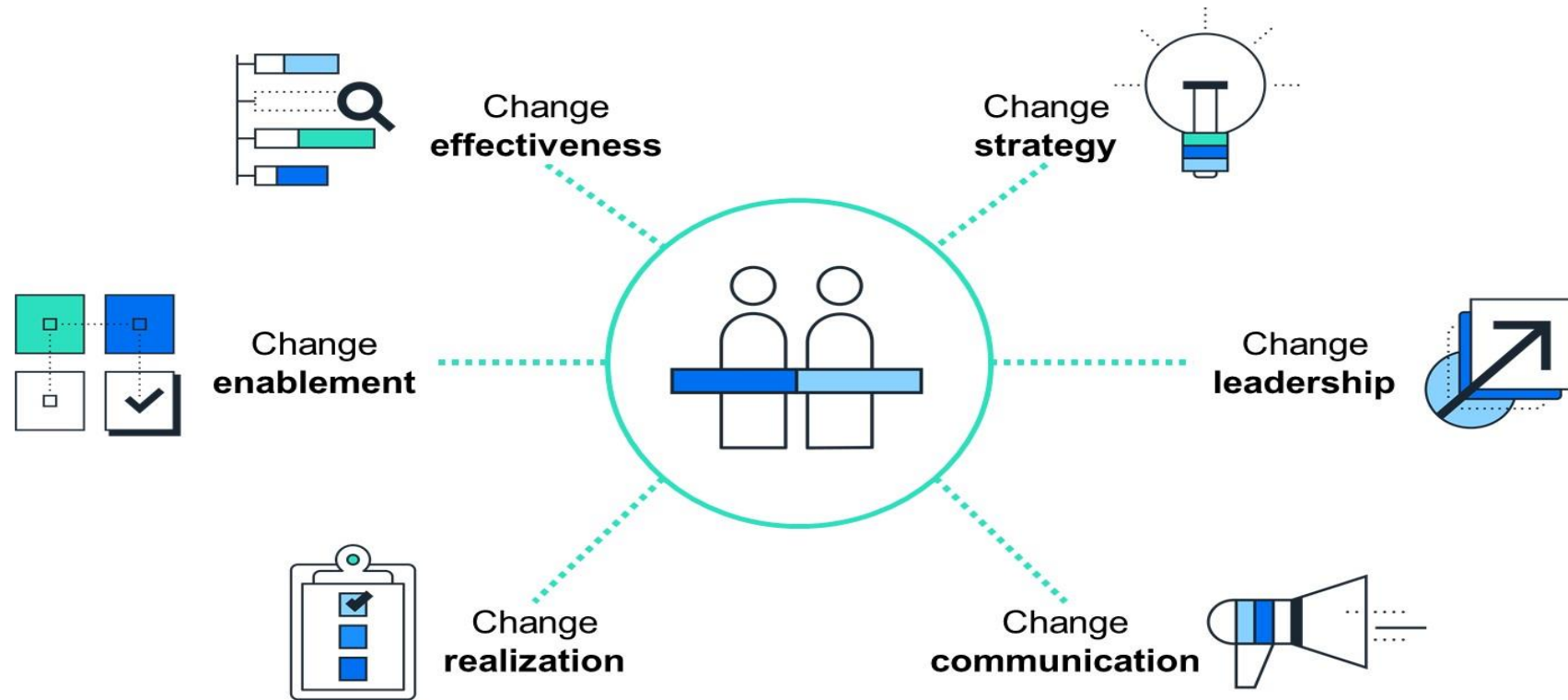
Build custom integrations with APIs and/or adapters from **SAP Business Accelerator Hub**

Utilizing the Clean Core Strategy and Extensibility Tools

Extensibility Types and Tools



SAP's Organizational Change Management Framework



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



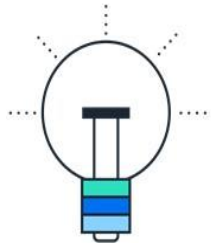
Lowest SaaS-based TCO



Pre-configured best practices
to realize results right away



Market-leading localization



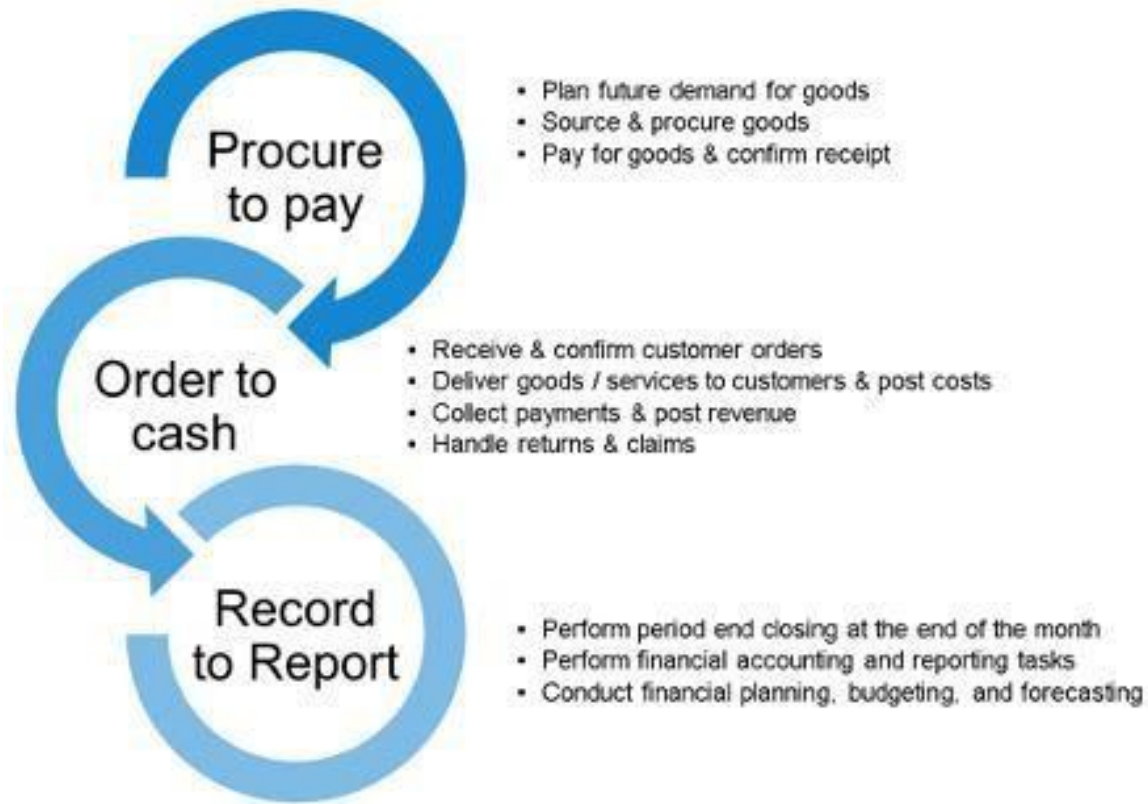
Continuous feature delivery



Unmatched time-to-value to
deliver on business priorities

Solution Scope and Business Process Story

Finance-led administrative ERP

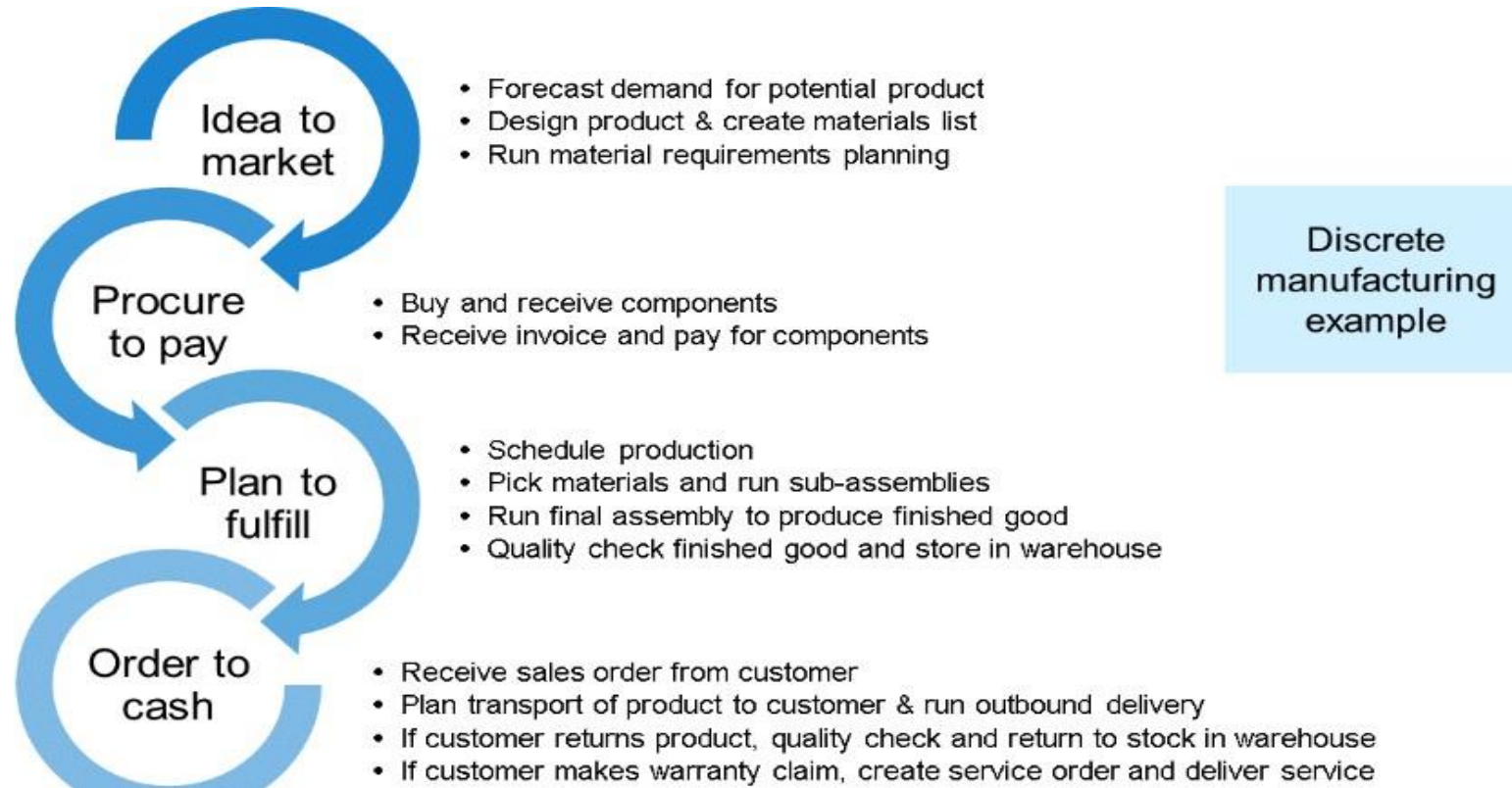


Service-Centric Industries



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)

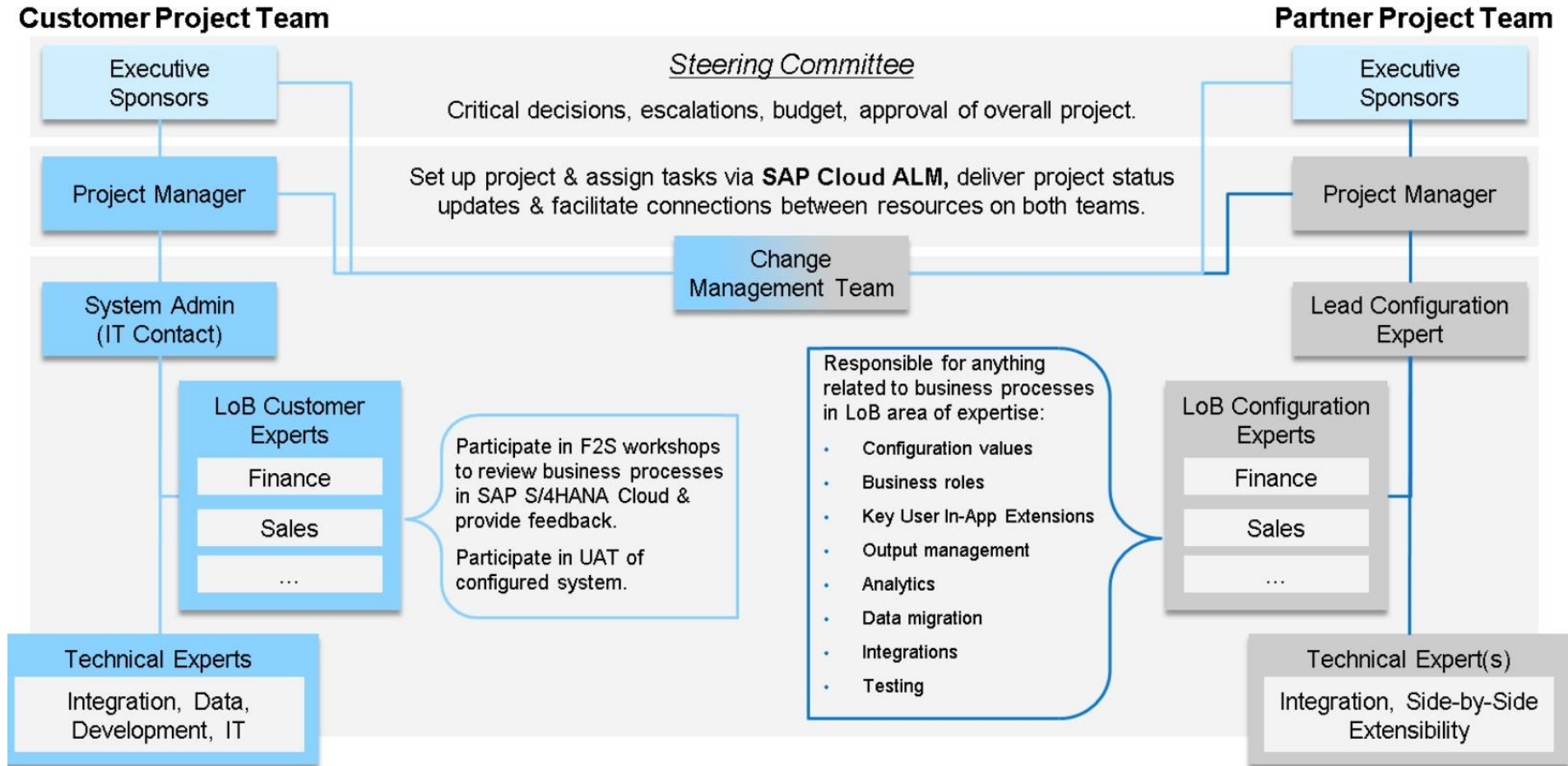
Customer Executive Sponsors:

- 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



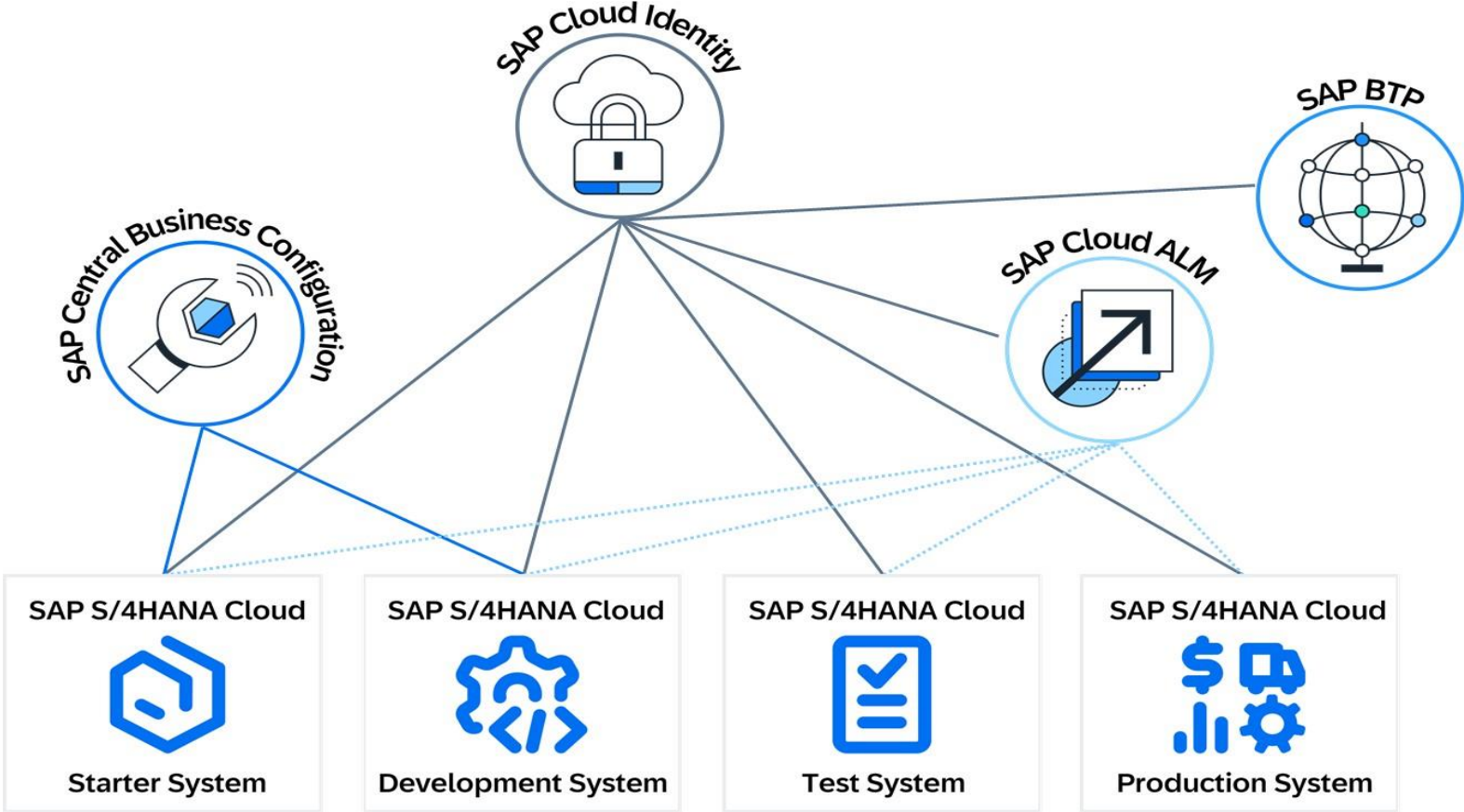
Defining System Landscapes

 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

SAP for Me

Search

Home

Calendar

DASHBOARDS

Customer Success

Finance & Legal

Partner Solutions

Partnership

Products & Portfolio

Sales & Marketing

Services & Support

Systems & Provisioning

Users & Contacts

Collapse Sidebar

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 Inquiries

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

Status	Percentage
Unlabeled	15.8%
Unlabeled	10.5%
Unlabeled	5.3%
Unlabeled	68.4%

SAP for Me mobile app

iOS



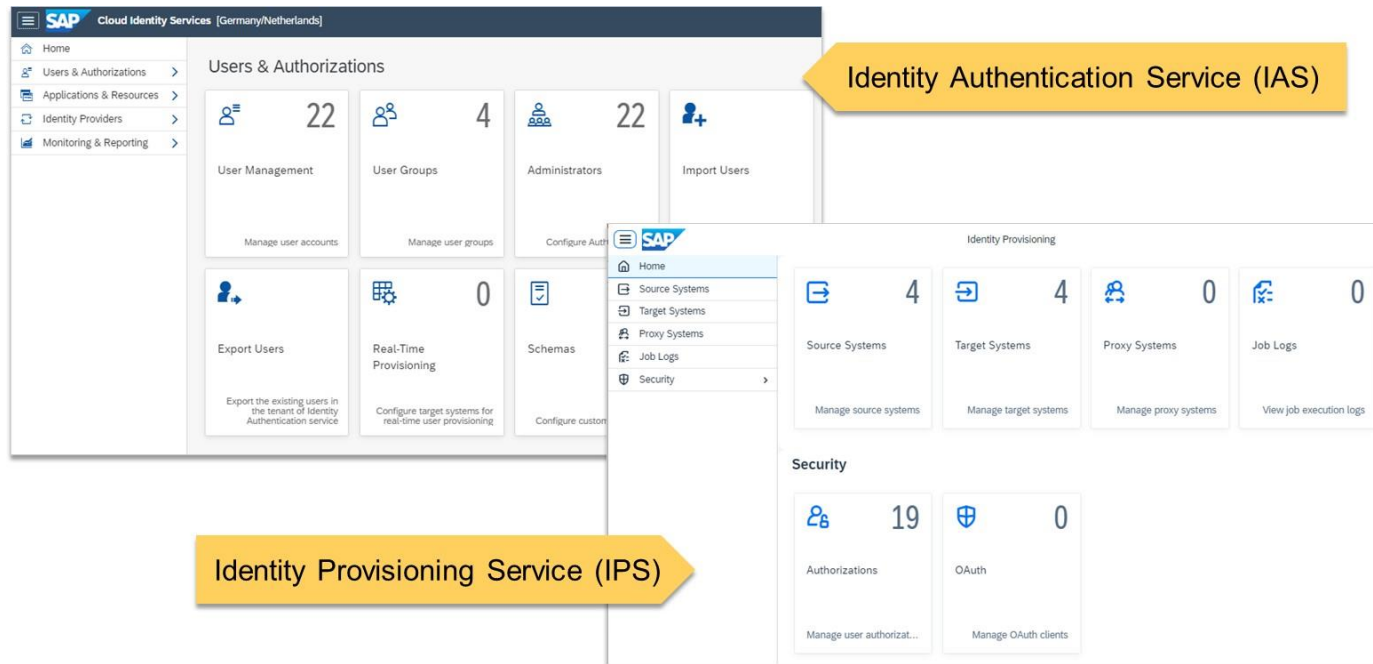
Android



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.

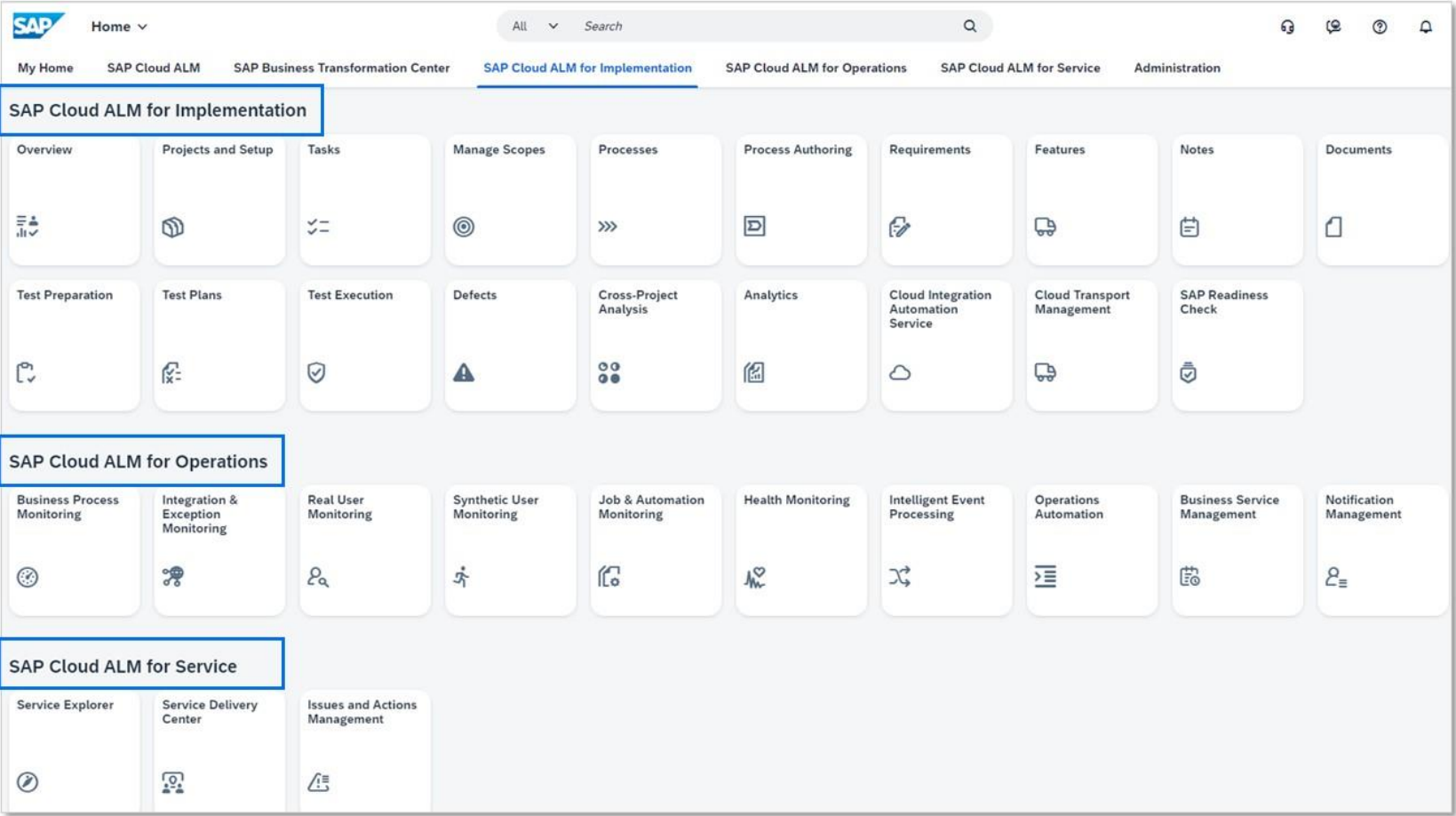
• Identity Authentication Service (IAS):

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

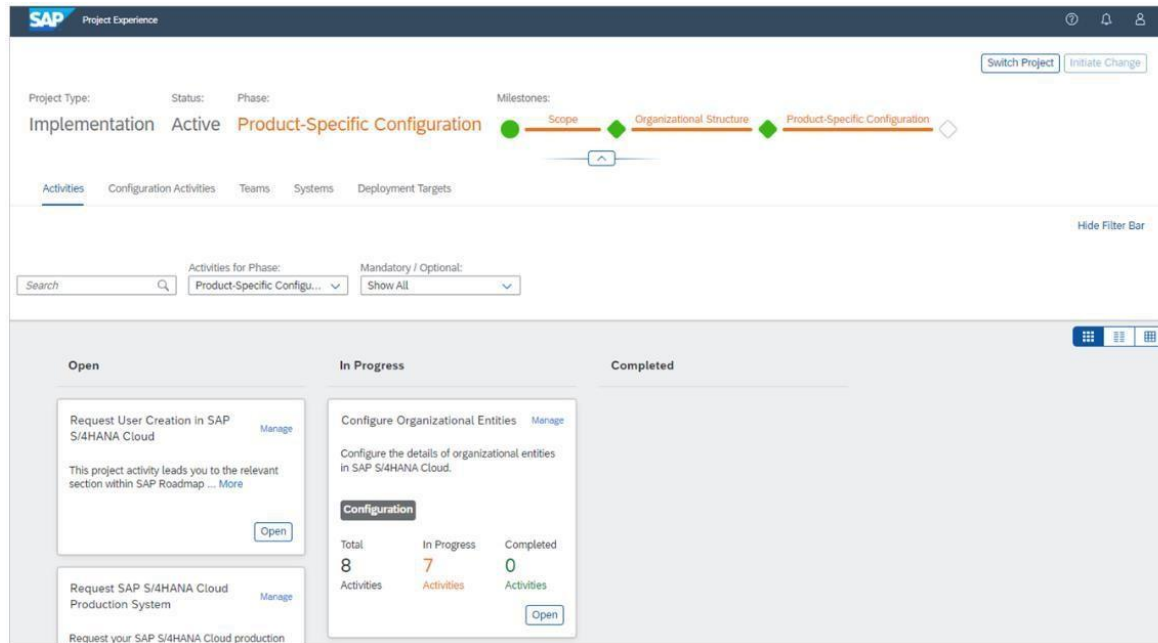
• Identity Provisioning Service (IPS):

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

SAP Cloud ALM



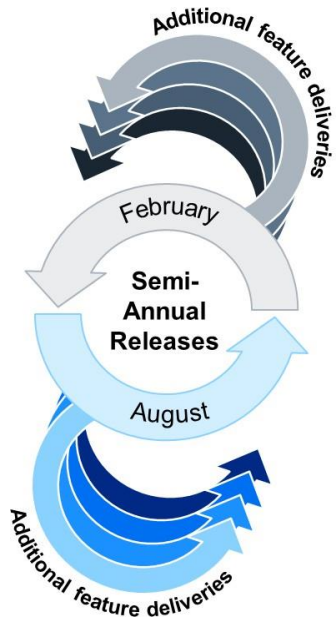
SAP Central Business Configuration



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

Labels for the format components:

- YY: Last two digits of year (e.g. 2024)
- MM: Numerical month (e.g. August = 08)
- X: 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.

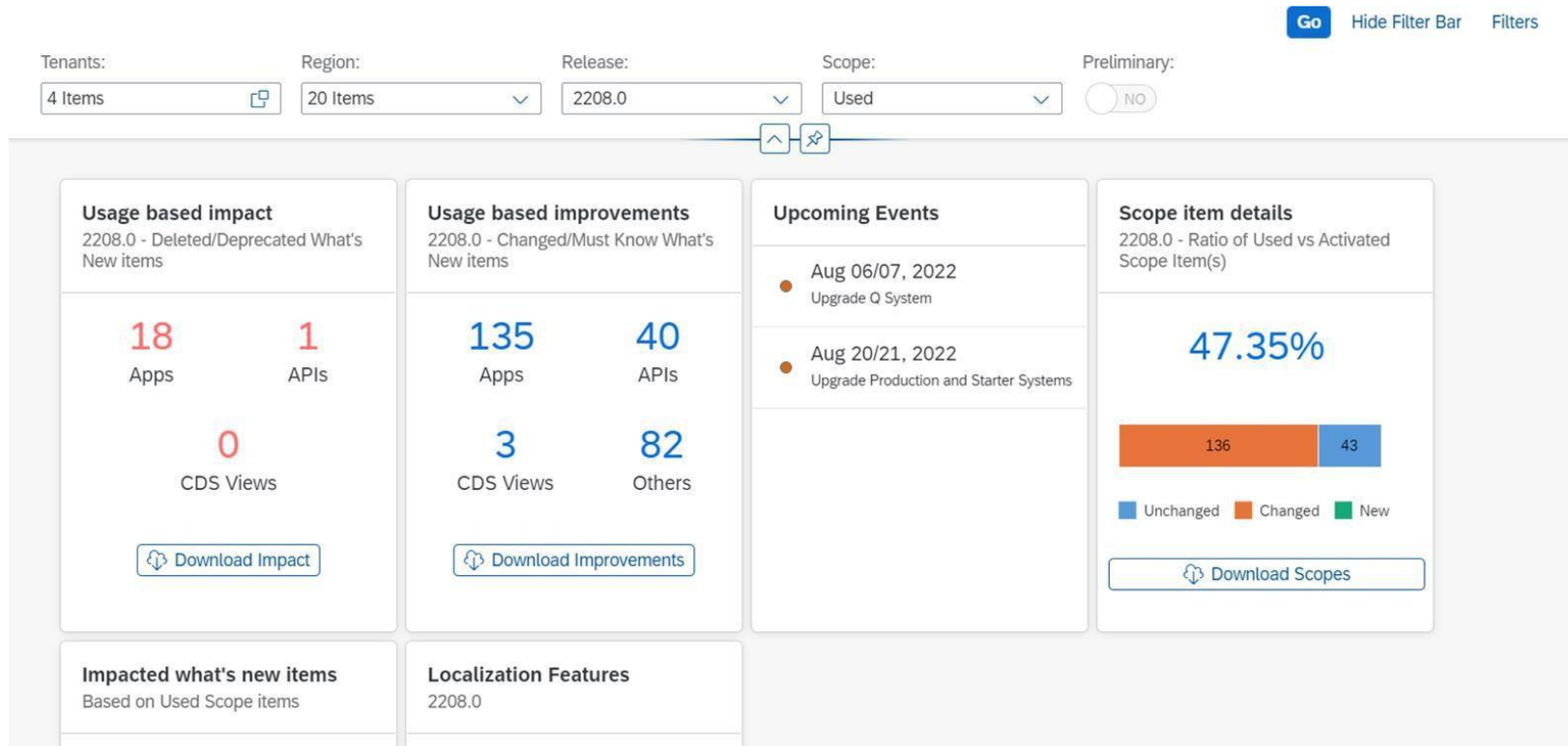
Release Reference:

- 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, In-house SAP, Learning Framework, SAP Employee Support & Talent Enablement).

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

Home Calendar

DASHBOARDS

Customer Success

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]

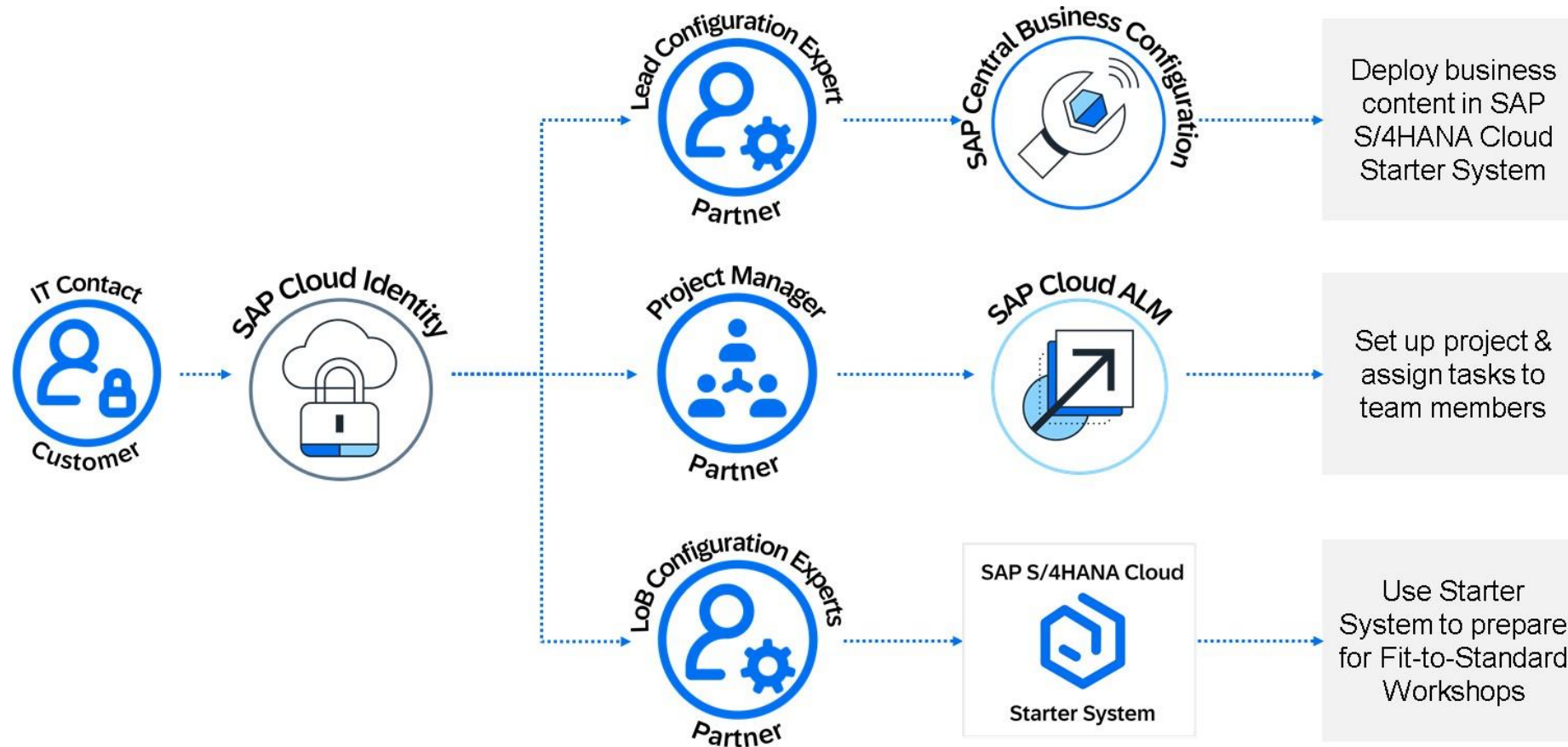
PRODUCT	ENTITLEMENT ROLE	DATA CENTER PREFERENCE	CONTRACT START	CUSTOMER	BPO END CUSTOMER	ENTITLED MATERIALS	
> Embedded Launch Activities (4)	Customer Demo	System Determined	16.03.2023 End: 15.03.2026	SAP Test Account - aPaul P... 1208936	SAP End Customer Test 3000000		Start Provisioning
> Embedded Launch 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)



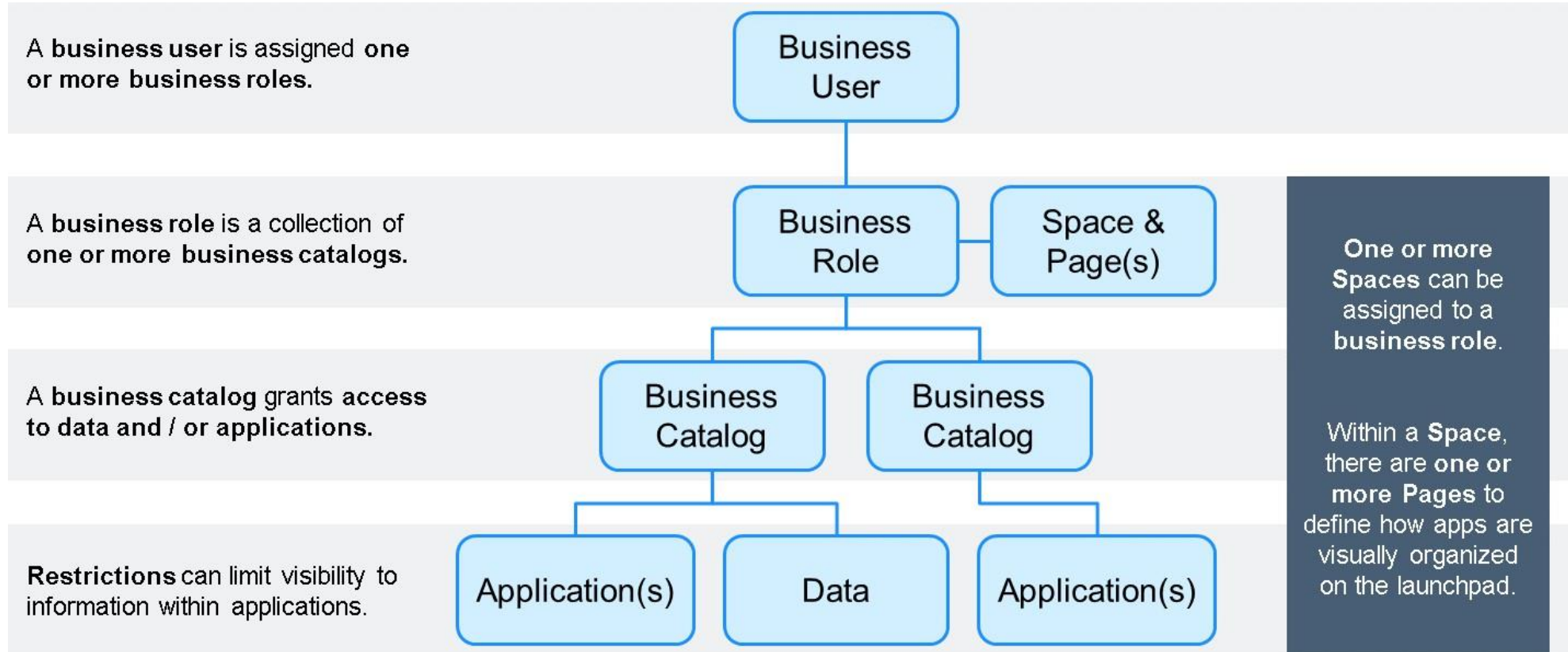
[Start Exercise](#)

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

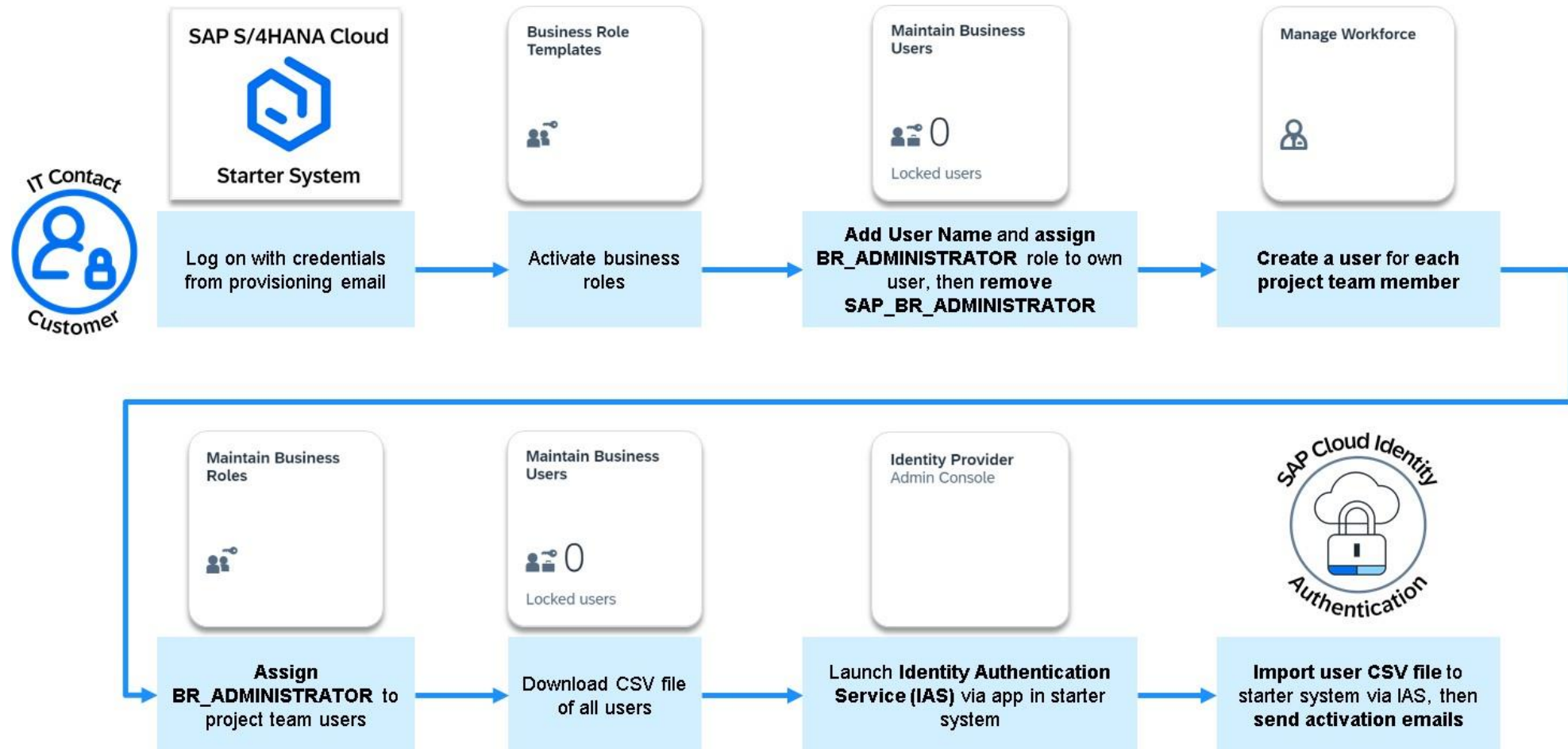


User Creation and Authorization in the SAP S/4HANA Cloud Starter System

Role-Based Authorization in SAP S/4HANA Cloud



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



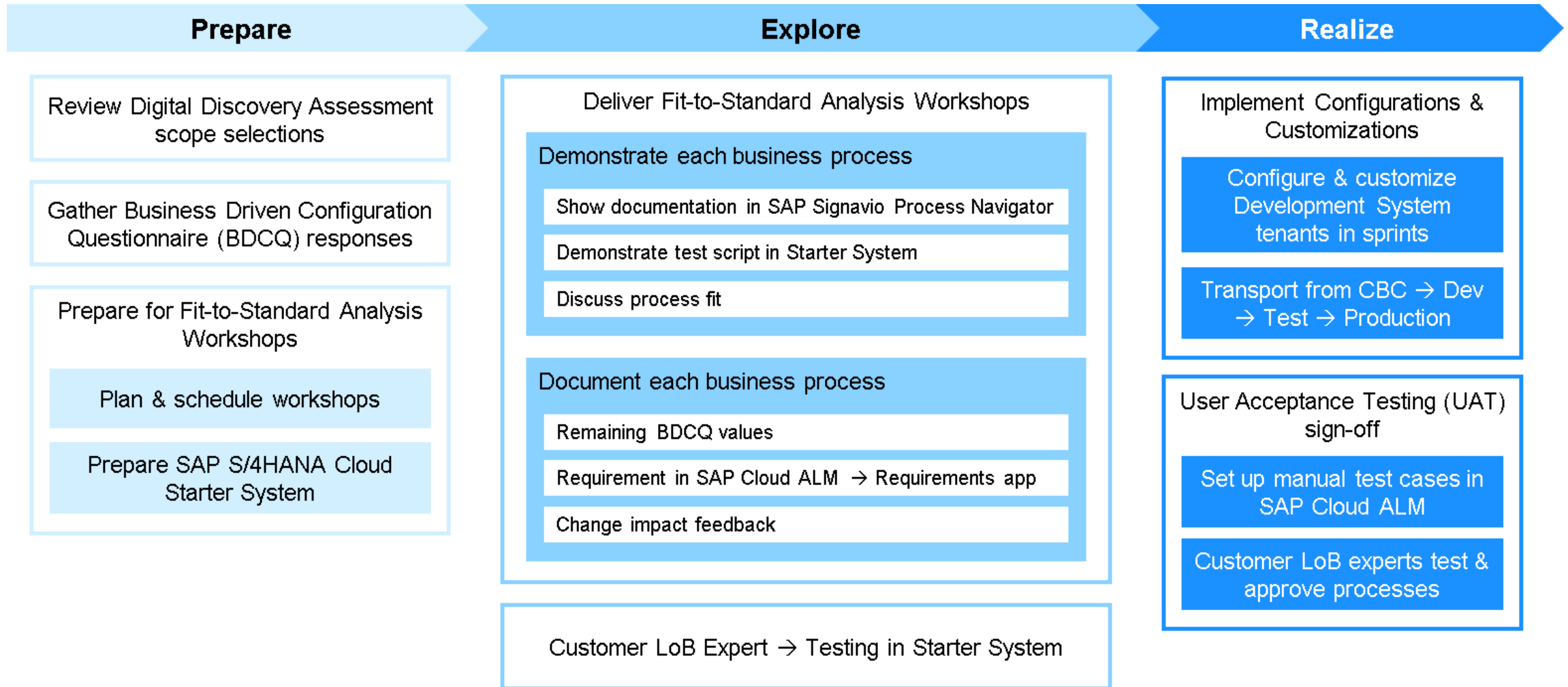
Gathering Data in Fit-to-Standard Workshops

 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.	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 for configuration in internal projects.			
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 project team member, the system determines the role type for the project team member. SAP defines project roles for project team members.			

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

Processes

>>>

SAP Processes

Solution Process Scope

Manage Scopes Process Hierarchy Authoring Analytics

Search Project: Scope: S/4HANA Cloud x Status: Process Hierarchy: Solution Scenario: Country/Region: Business Process Group:

Solution Processes (79)

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)					
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)					

SAP Processes

Customer Project Management - Project-Based Services (J11)

Solution Process

General Information Description Accelerators (3) Related

Context

Project: S/4HANA Cloud Implementation_KW

Scope: S/4HANA Cloud

SAP Requirements

New Requirement

Requirement

Description User Stories (0) Project Tasks (0) Features (0) Test Cases (0) Process Hierarchy (0) References (0) Add >

Title: * Requirement for Customer Project Management - Project-Based Services (J11)

B f U G E Paragraph Verdana 12 pt

Save Save and Close Cancel

Create

- Requirement
- User Story
- Project Task
- Note

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)

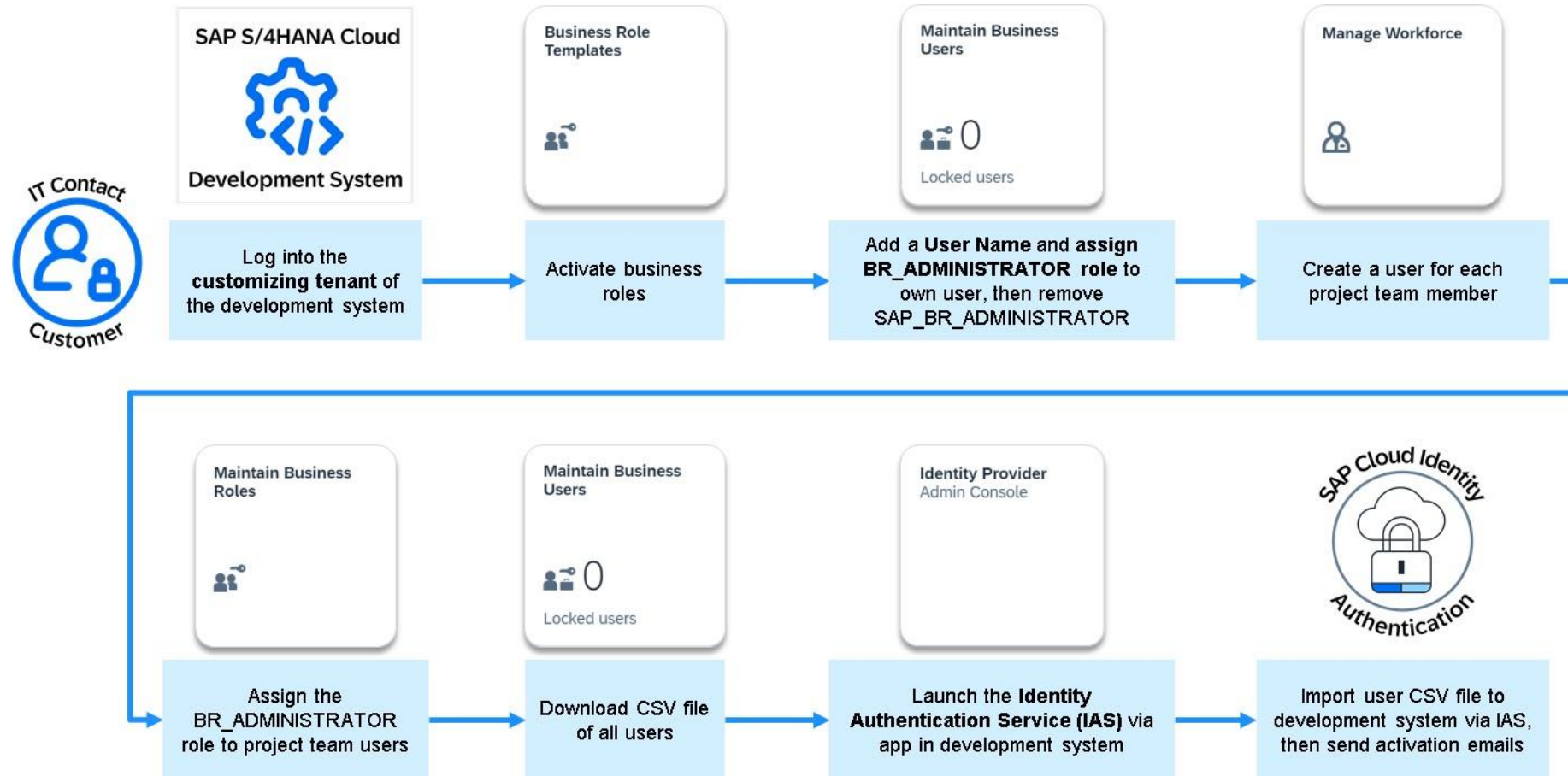
Configure Business Processes (3SL)

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 ▼ 4 hr. ago Show More

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 ▼ Manage 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 ▼ Create Group Add Apps

Favorites **Recent Activities** **Frequently Used**

6 Display BOM

7 Maintenance

Find Document

Display document

Change Document

Insights ▼ Manage Tiles Show More

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

Purchase Contract Changes
Total Purchase Contr...
11
3 hr. ago

Purchase Orders Created After Invoices
18

Employees can personalize what displays in each section

My Home Settings

A maximum of 8 pages can be displayed.

Layout

Pages

Insights Tiles

Insights Cards

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

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 **+**

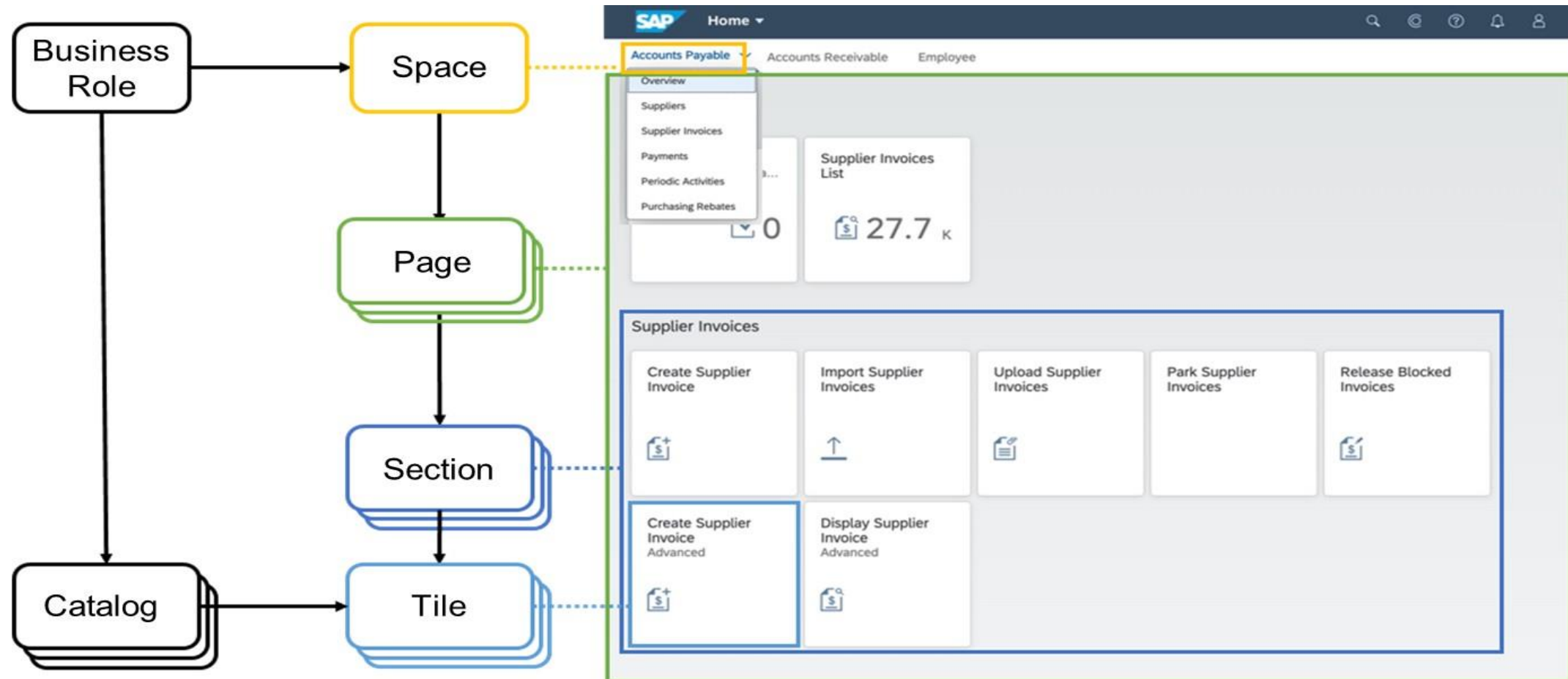
Project Staffing Analysis **+**

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. 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'. The main content area is divided into 'To Dos' and 'Insights' sections. The 'To Dos' section contains three cards: 'Procurement Purchase Requisition' for a laptop replacement (2,450.00 EUR), 'Expense Report Approval' for a travel report (843.37 EUR), and 'Time Off Requests' for a 3-day vacation. The 'Insights' section shows 'Incoming Sales Orders' (289.1 K), 'Purchase Requisition Item Types' (1), and 'Open Purchase Orders' (4500000045). The Joule assistant overlay features a diamond logo, a greeting 'Hello Jonathan, How can I help you?', a text input field with a hint to talk naturally, and several action buttons like 'Request Feedback', 'View My Display Name', 'Fetch Weather', and 'Create Position'.

SAP Fiori Launchpad Header:

- SAP Logo
- Home ▾
- Search, Help, and Notification icons
- User Profile: JB

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

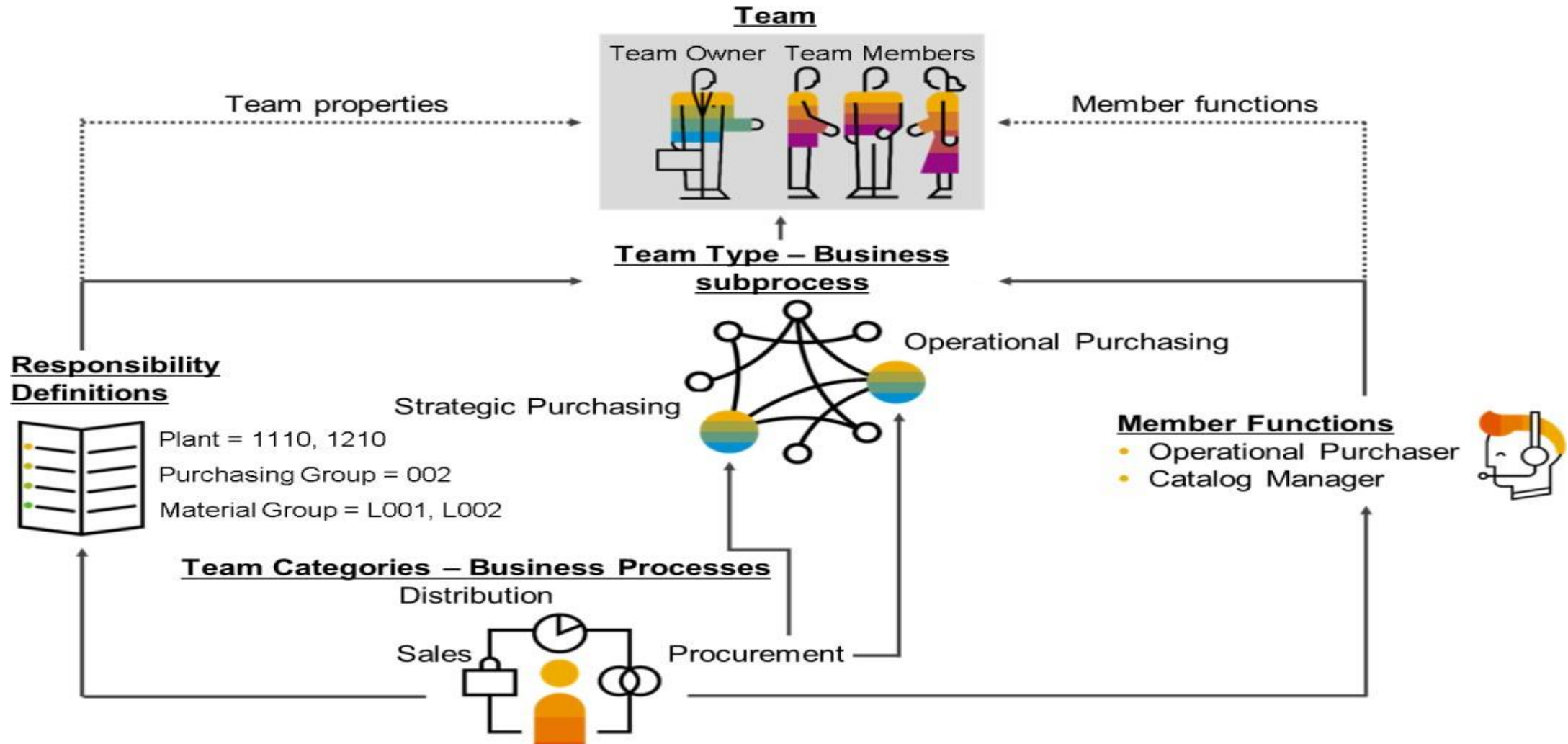
Insights:

- Incoming Sales Orders** (By Month | EUR)
289.1 K (4 Months)
Target: 296.1K, Deviation: -8.6%
- Purchase Requisition Item Types**
1
By Item Type
- Open Purchase Orders**
4500000045 (In Approval)
4500000033

Joule AI Assistant Overlay:

- Header: Joule
- Logo: Diamond with stars
- Greeting: Hello Jonathan, How can I help you?
- Text Input: Talk to me naturally. For example, 'request feedback'
- Buttons: Get started with Joule, Request Feedback, View My Display Name, Fetch Weather, Create Position
- Footer: How can I help you? (with arrow icon)

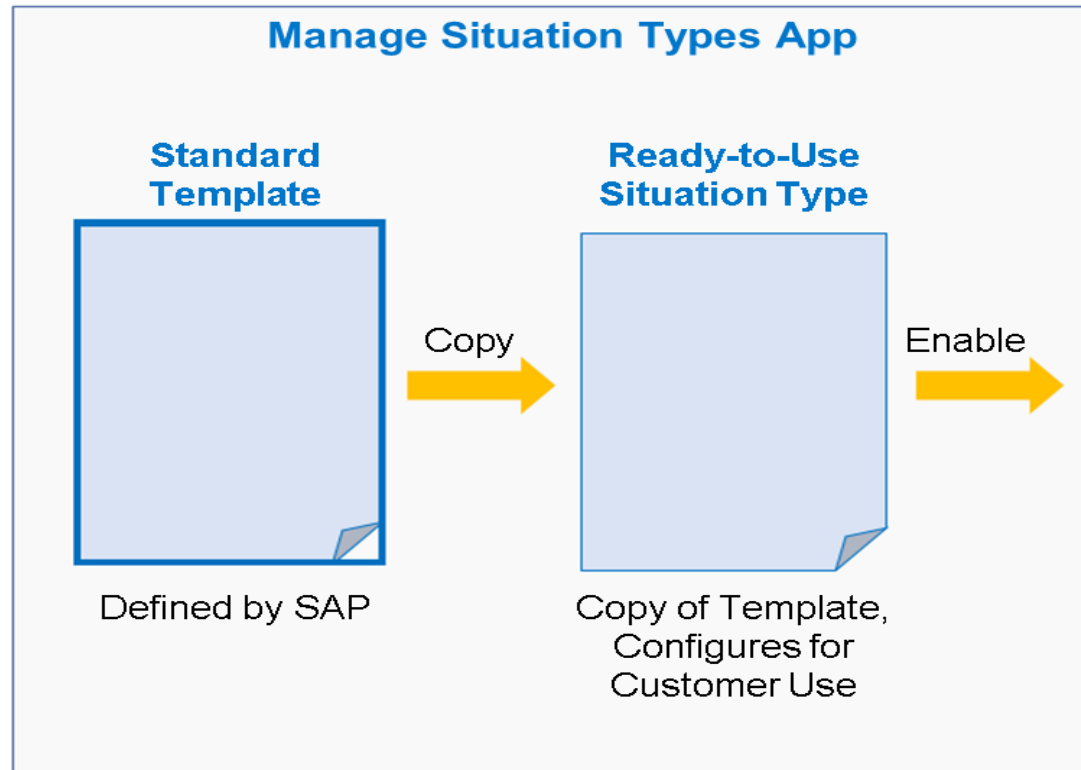
Responsibility Management



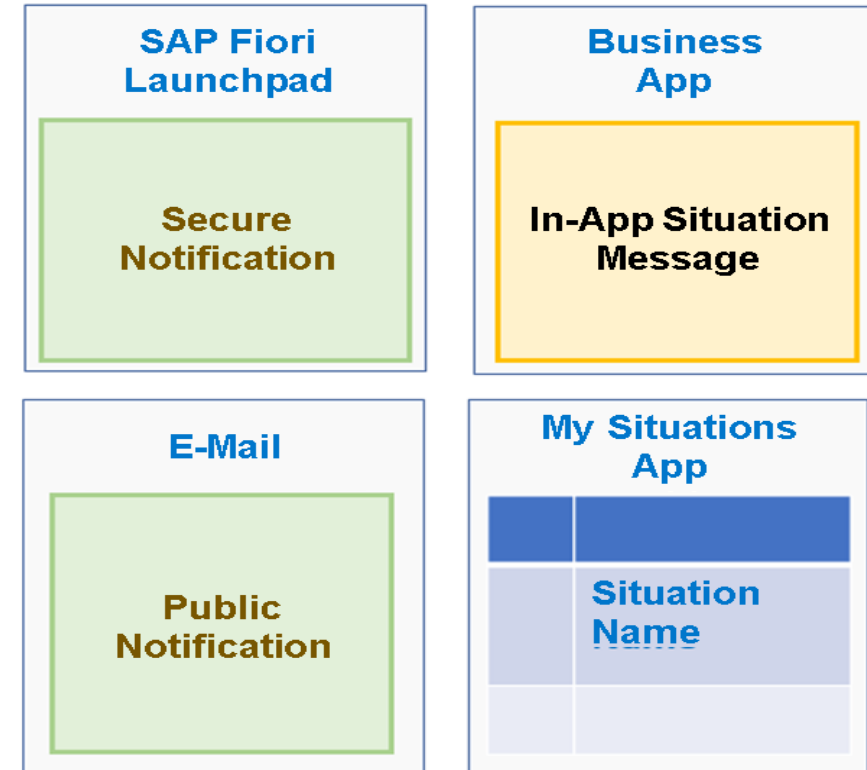
Situation Handling



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

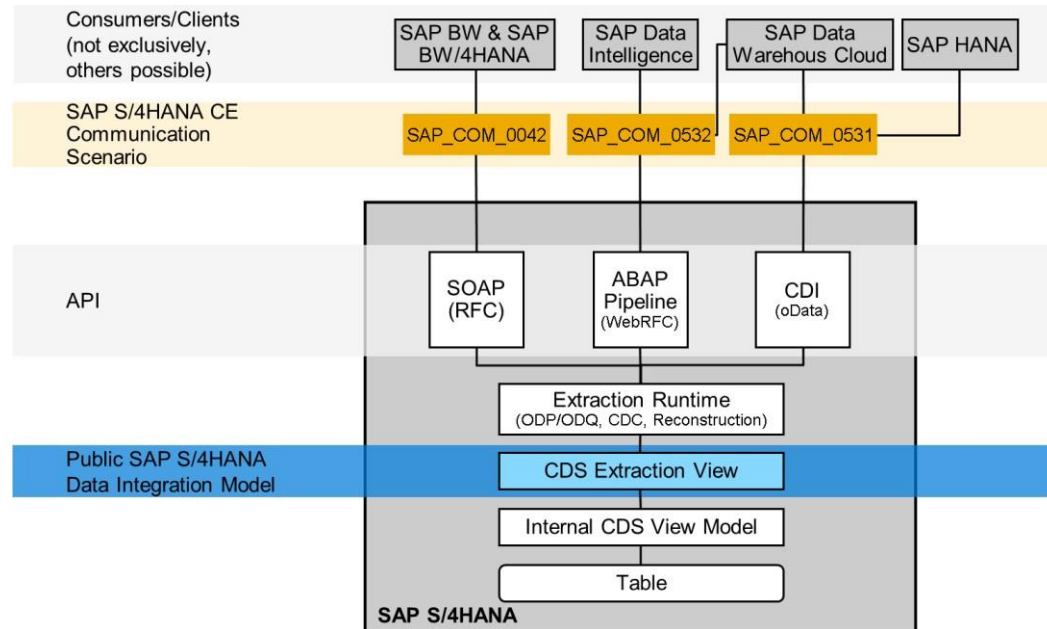
EXCEPTION HANDLING

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

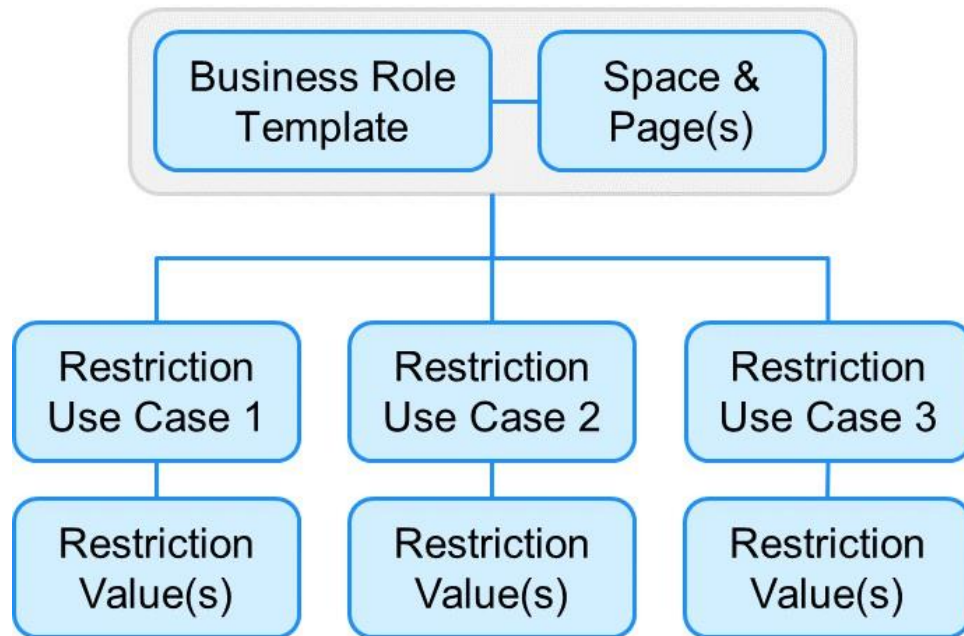
Application(s)

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

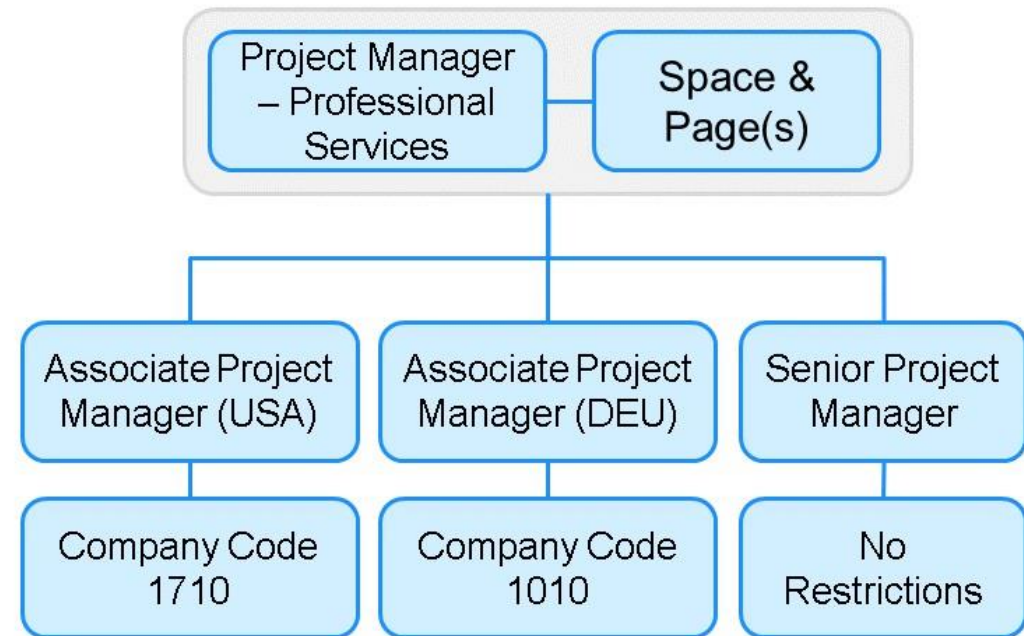
Within a **Space**, there are **one or more Pages** to define how apps are visually organized on the launchpad.

Business Role Customization Use Cases

Use Case Template



Example Use Case



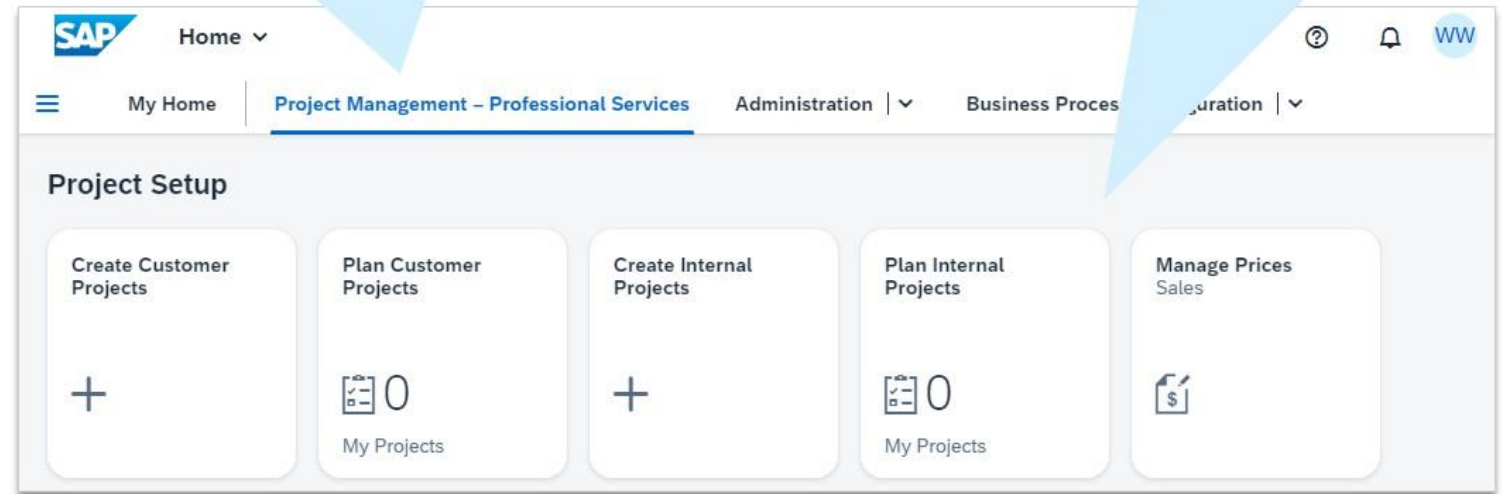
Customizing Launchpad Spaces and Pages



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 permitted 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

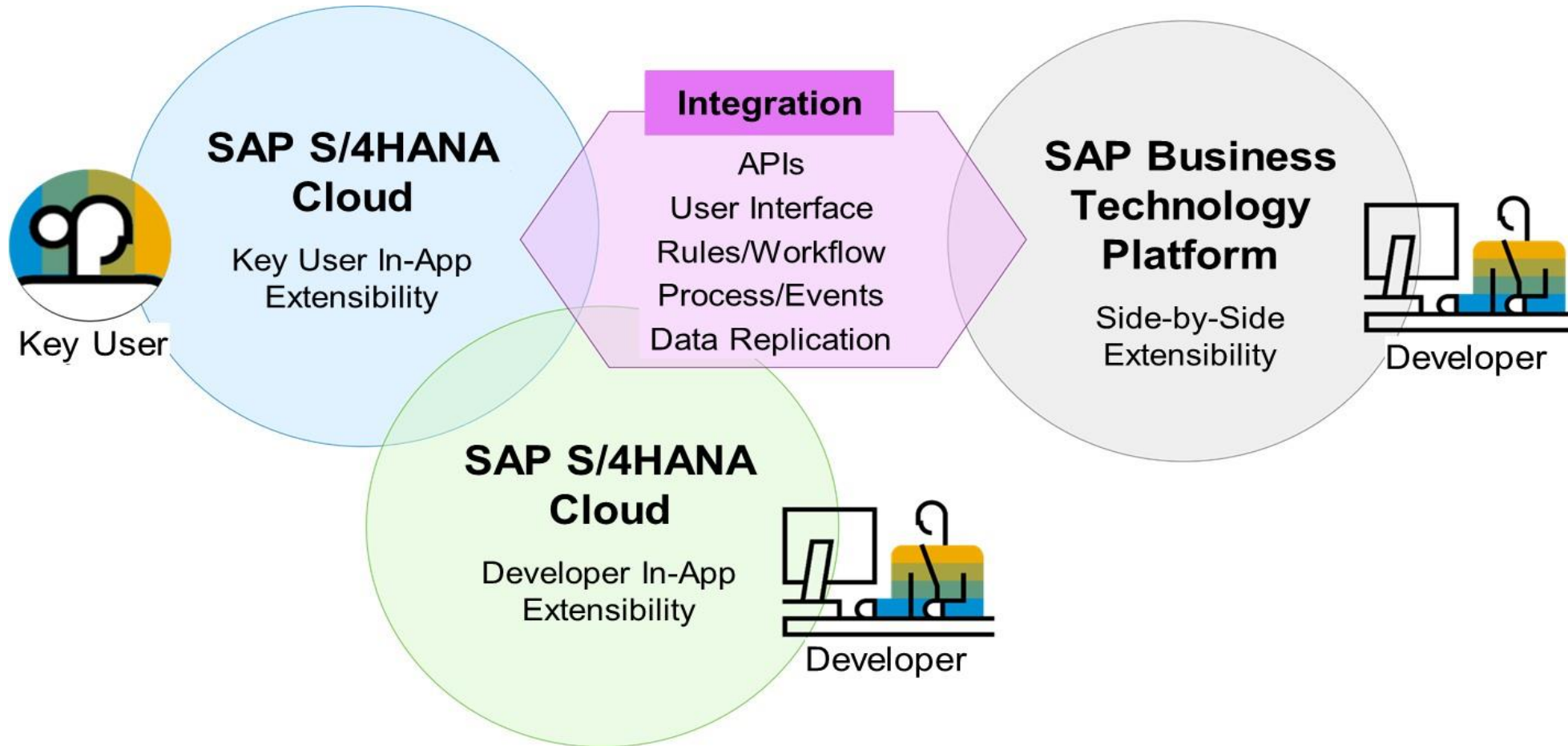
Customizing Applications

 4 Lessons  1 hr 40 mins

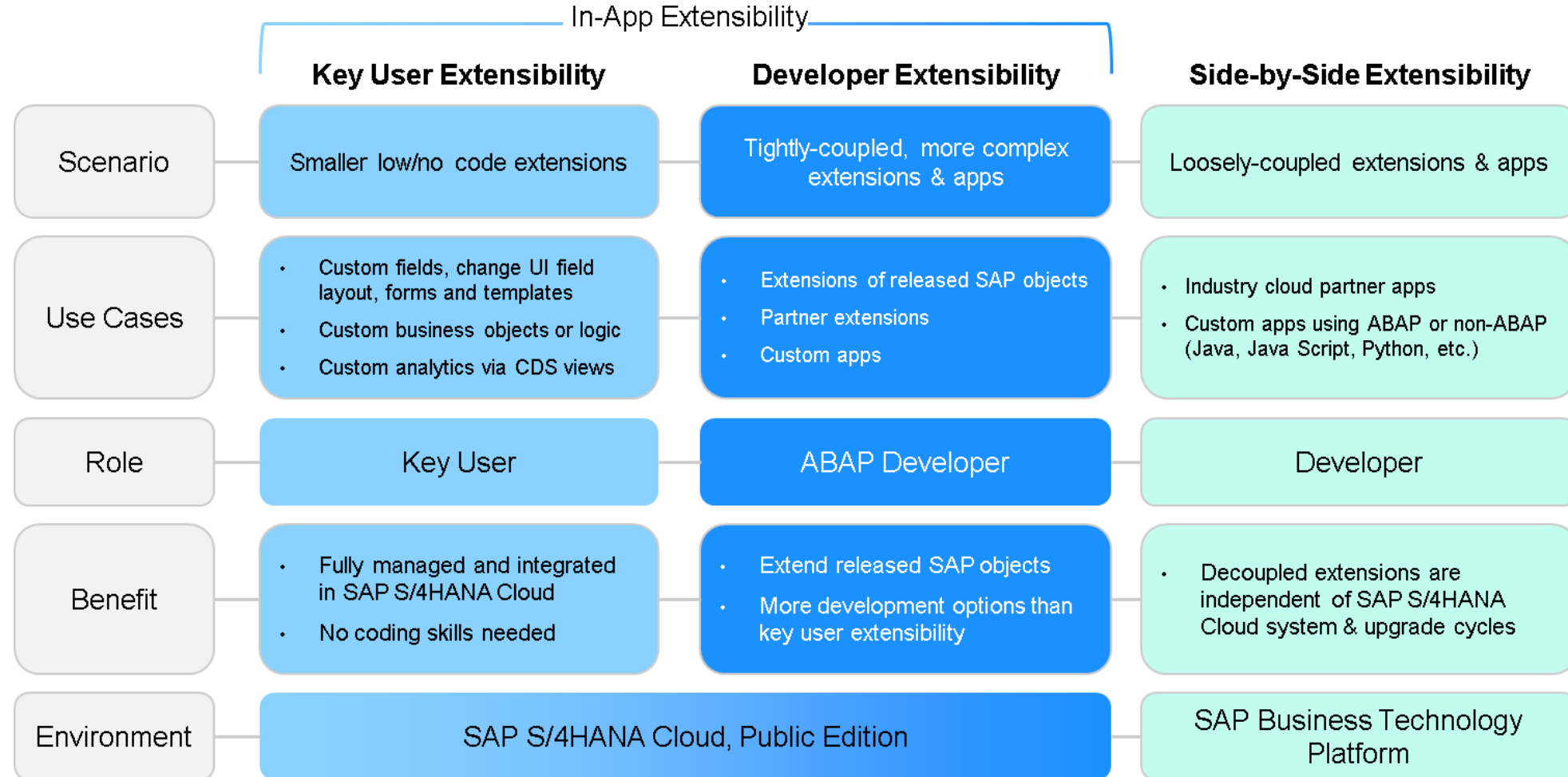
After completing this unit, you will be able to:

- 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 (BAdI)
- 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

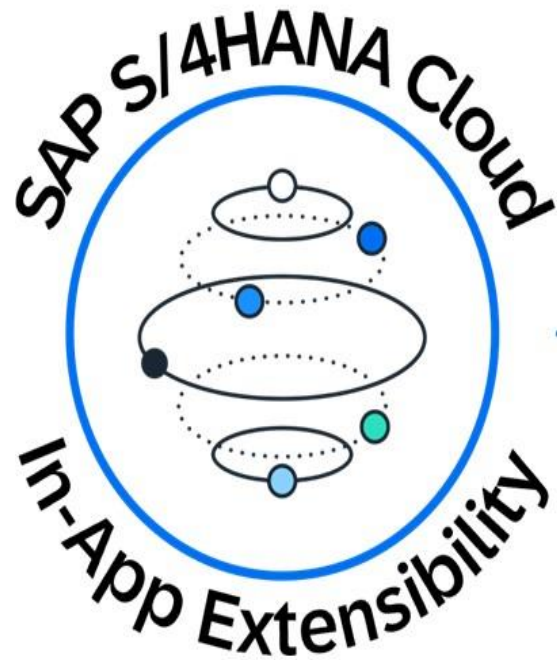
Lifecycle Stable Extensions in SAP S/4HANA Cloud



Extensibility Use Cases



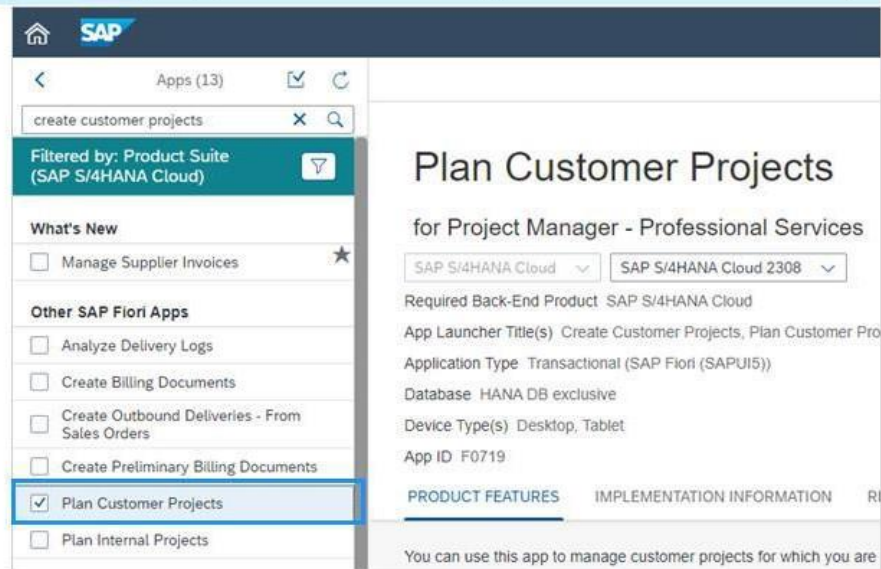
In-App Extensibility in SAP S/4HANA Cloud, public edition



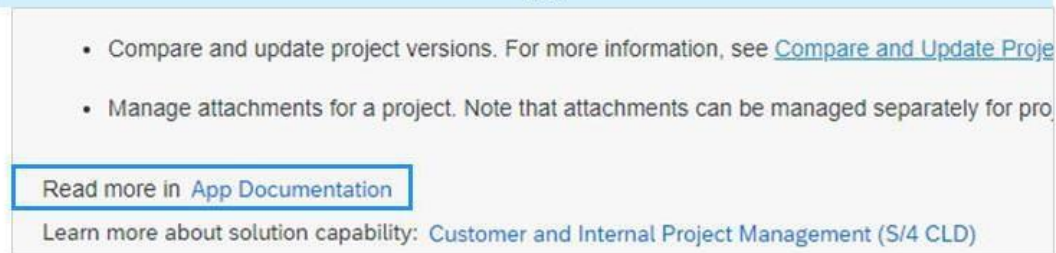
- Adapt existing user interface (UI)
- Create custom fields
- Create/extend forms & email templates
- Create custom business logic
- Create custom UIs
- Create custom business objects
- Create custom analytics

Does this app support the in-app extensibility framework?

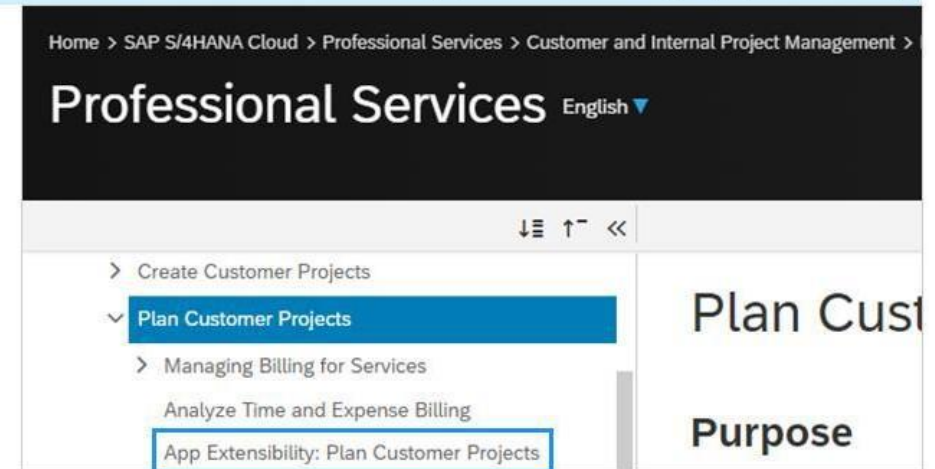
1 Look up app in SAP Fiori Apps Reference Library



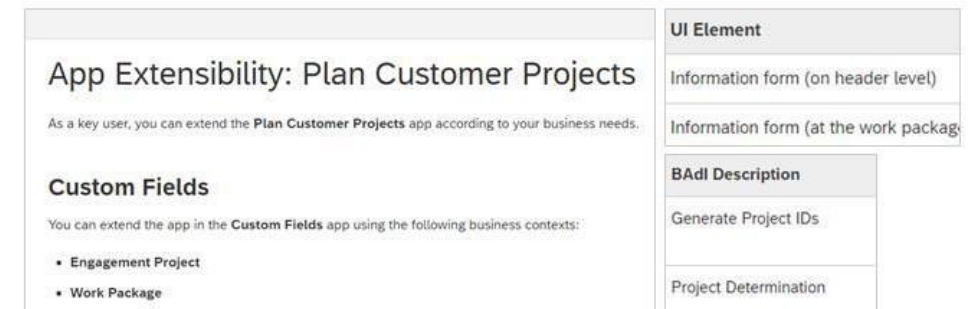
2 Scroll down to *Read more in App Documentation* & click link



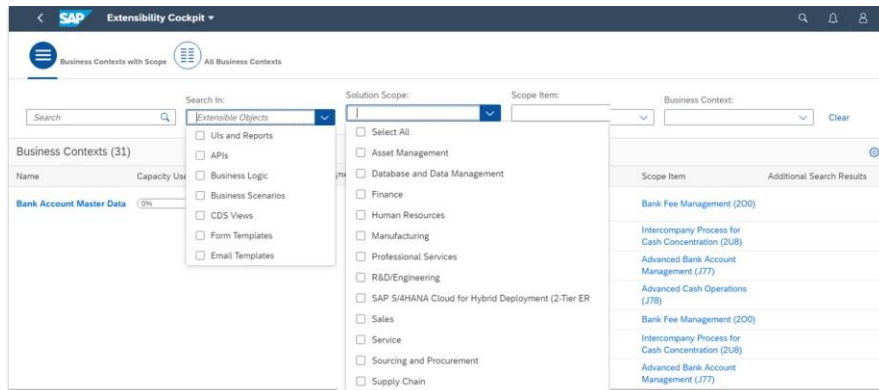
3 Select the section titled App Extensibility: [App name]



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:

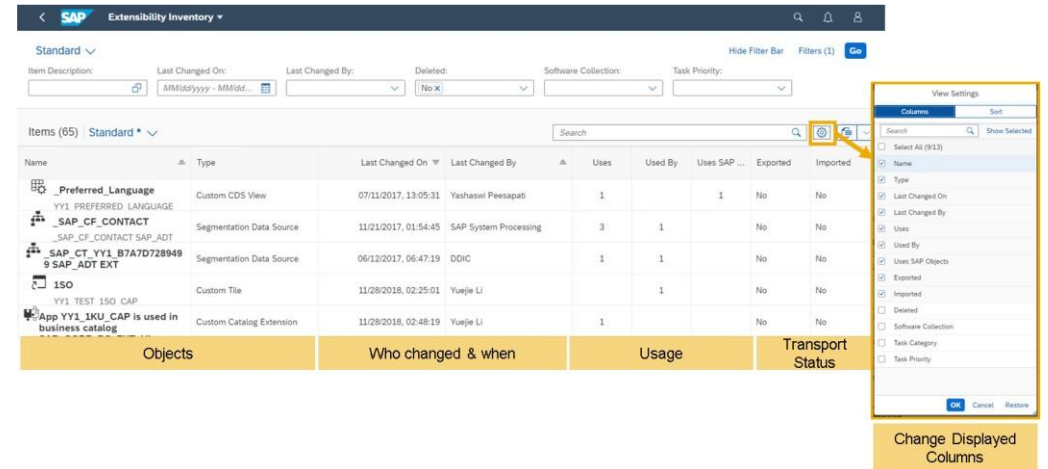
- Seamlessly integrates into SAP environments.

• 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.](#)

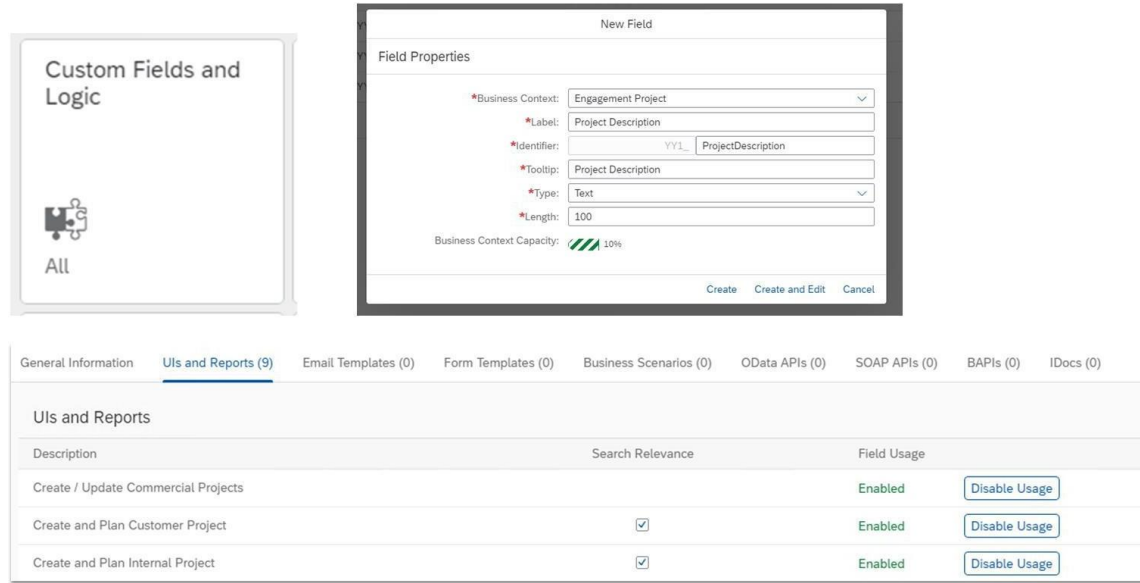
Creating App Variants

- 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 sections. The top section, titled 'New Field', shows the 'Field Properties' dialog with the following fields: Business Context (Engagement Project), Label (Project Description), Identifier (YY1_ ProjectDescription), Tooltip (Project Description), Type (Text), and Length (100). A 'Business Context Capacity' indicator shows 10% usage. The bottom section, titled 'Uls and Reports', shows a table with columns for Description, Search Relevance, and Field Usage. The table lists three entries: 'Create / Update Commercial Projects', 'Create and Plan Customer Project', and 'Create and Plan Internal Project'. The first entry has 'Field Usage' set to 'Enabled' and a 'Disable Usage' button. The other two entries have 'Search Relevance' checked and 'Field Usage' set to 'Enabled' with 'Disable Usage' buttons.

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 application 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 a prefix "YY1_" and a value "SENDEMAILFORCUSTOMERPROJEC".

At the bottom of the dialog are "Create" and "Cancel" buttons. The background interface shows the title "Send Email for Customer Projects" and a status "Not Published" with a "Draft Available" indicator. Below the dialog, there are two code editors: "Draft Logic" and "Example Logic", both containing the same ABAP code snippet:

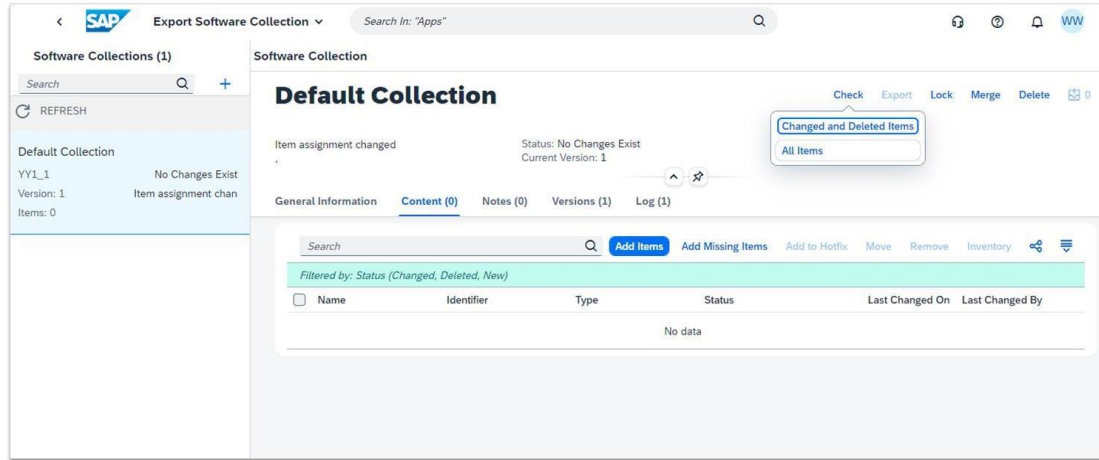
```
1 data: lv_check type abap_bool.  
2  
3 lv_check = abap_true.  
4  
5 ev_check = lv_check.  
6  
7
```

At the bottom right of the interface are buttons for "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

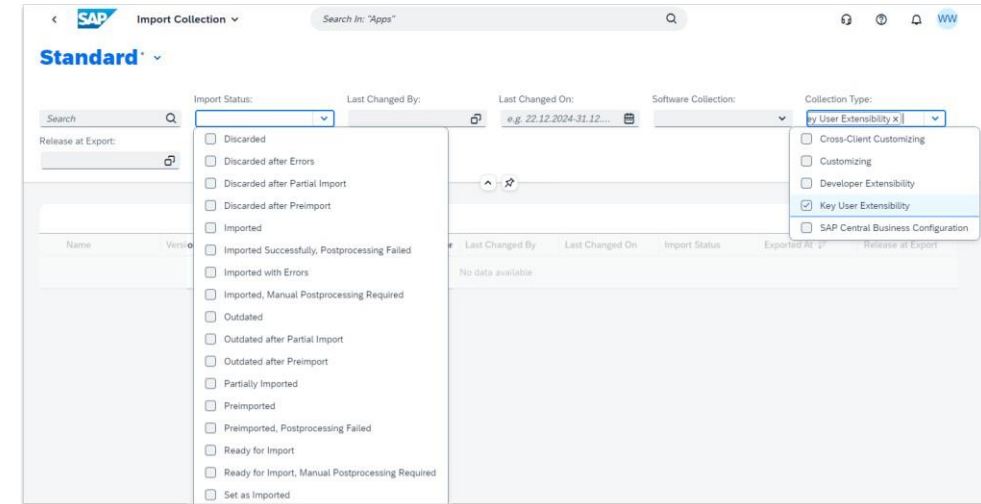
Export Software Collection app



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.

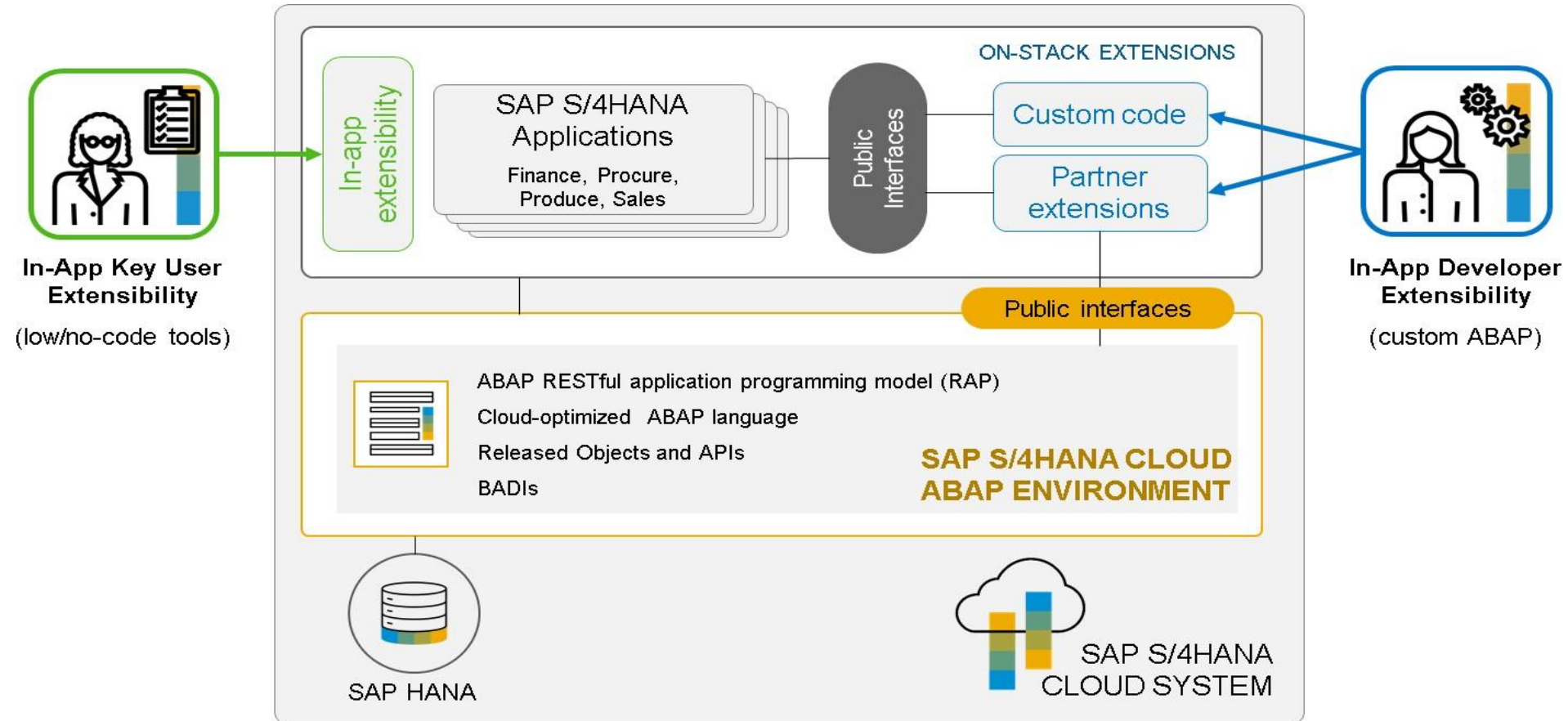
Import Collection App



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

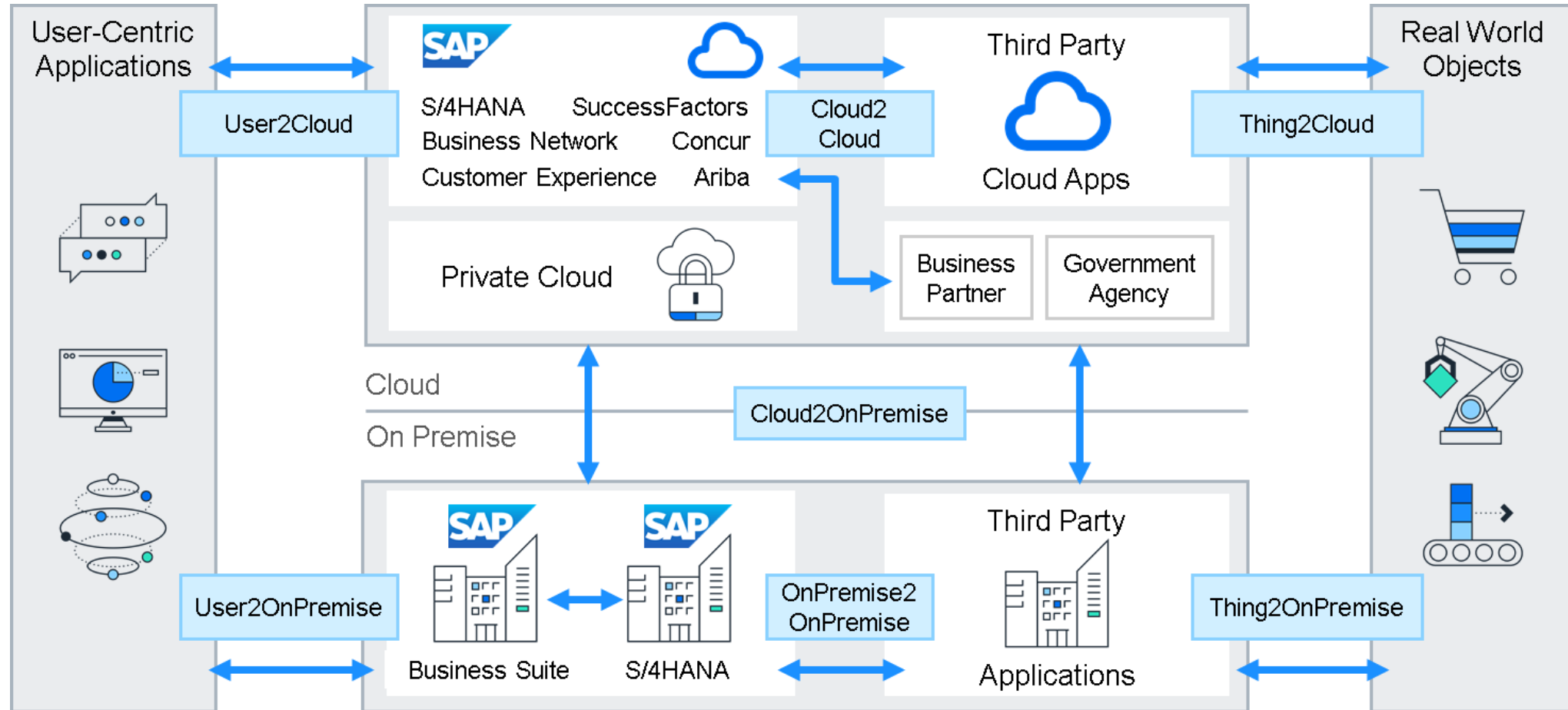
 4 Lessons  50 mins

Exercise 7: Set up an Integration Scenario

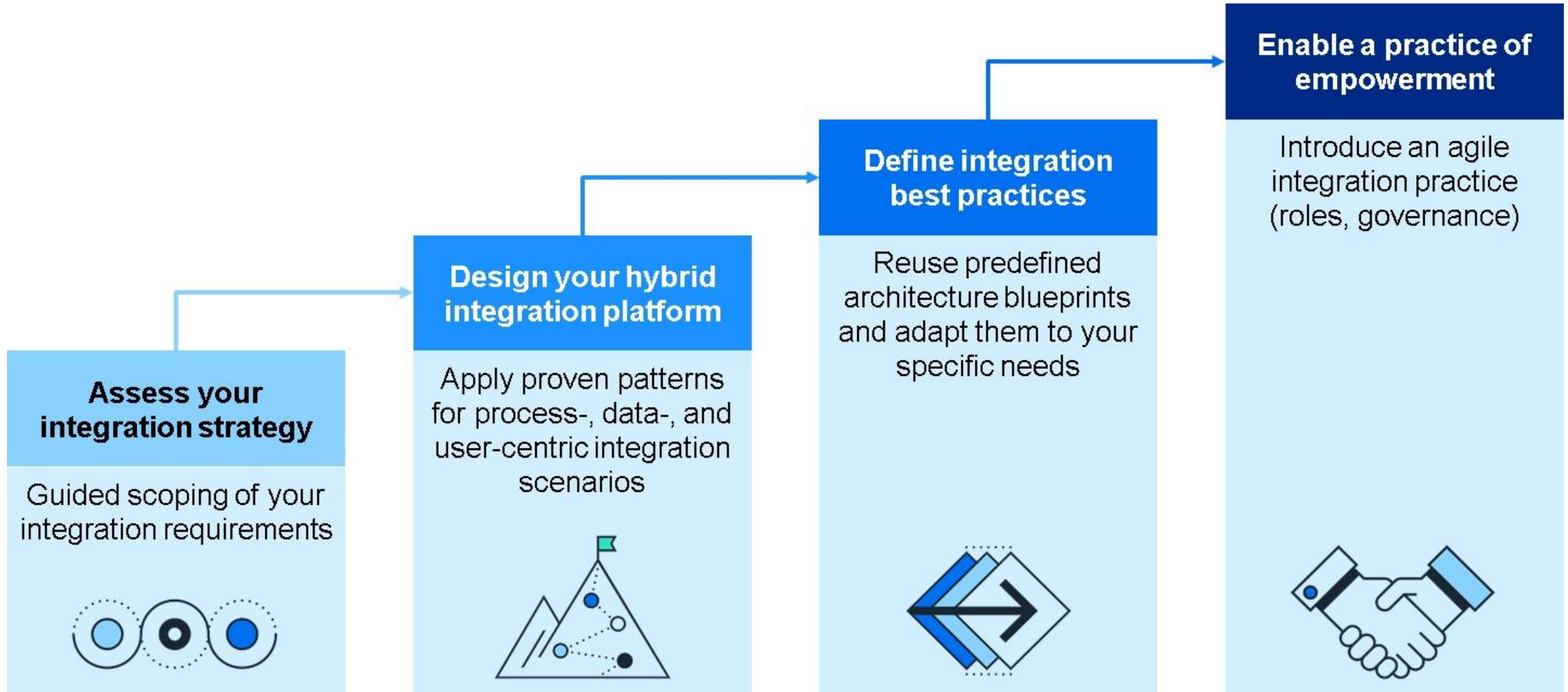
After completing this unit, you will be able to:

- 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



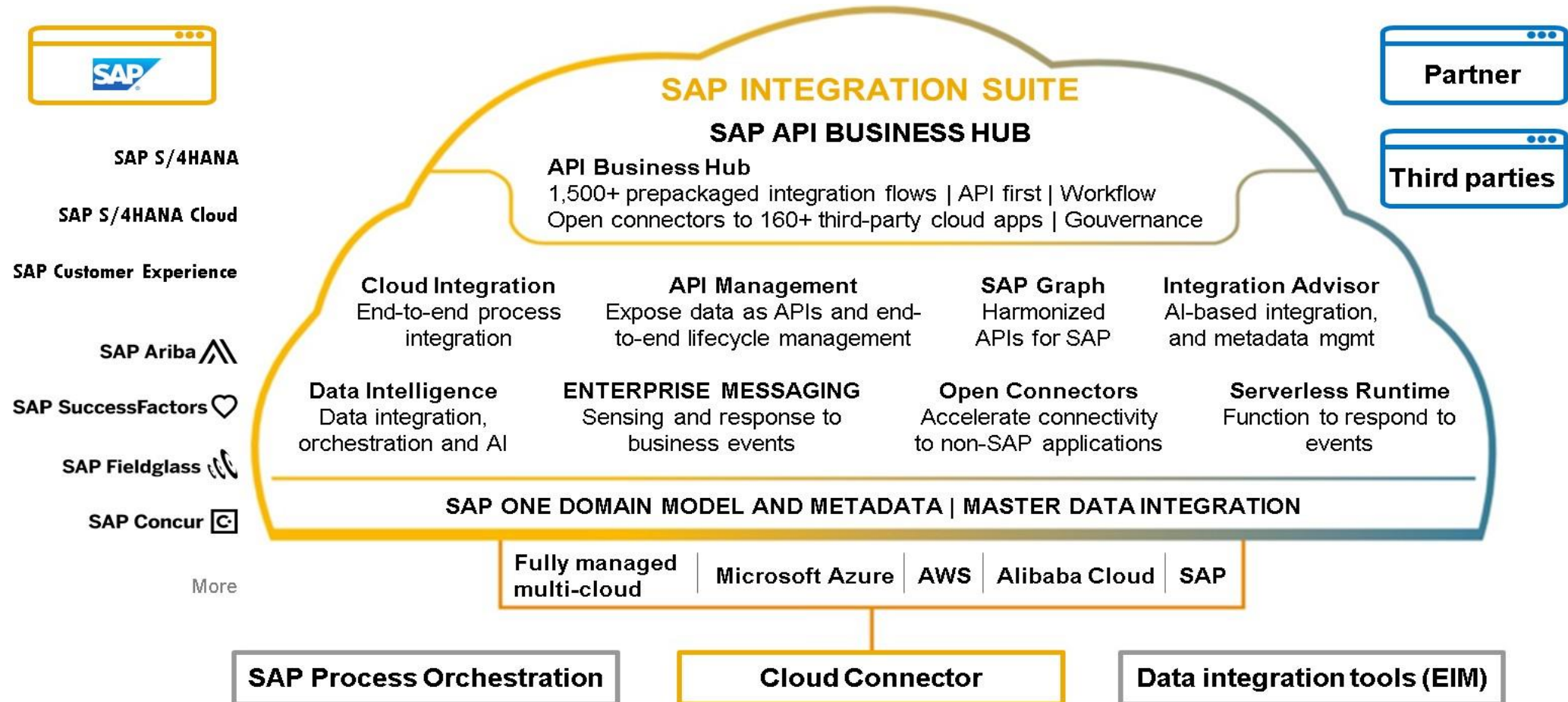
3 | Holistic integration



4 | AI-driven integration

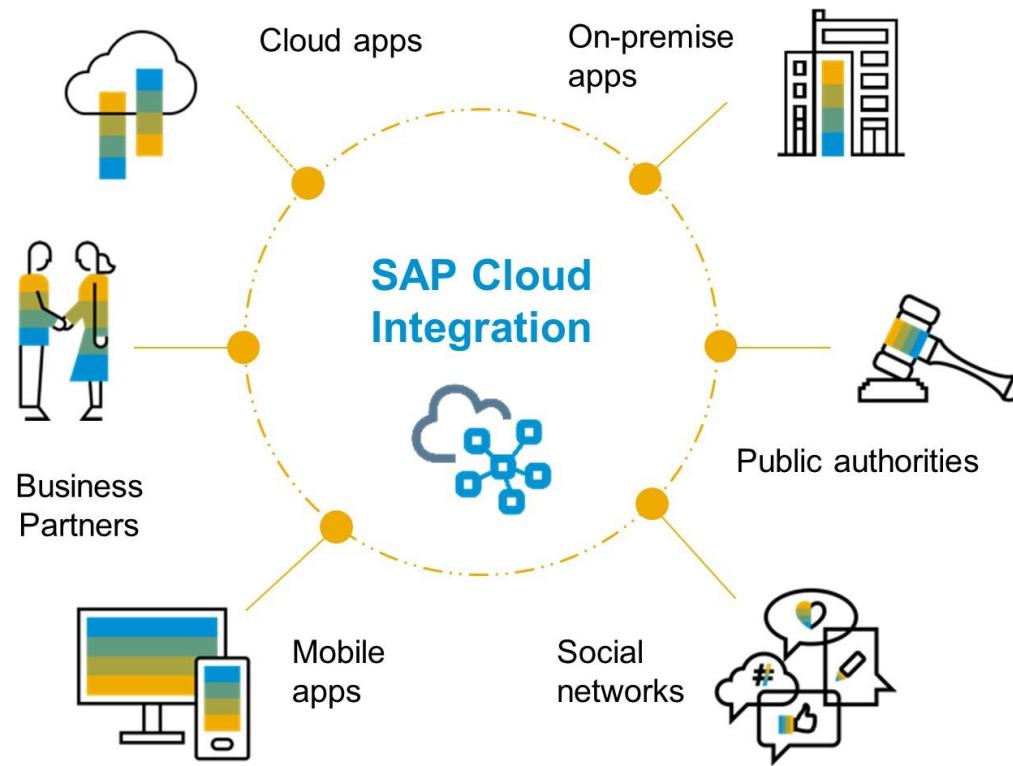


SAP Business Technology Platform Integration Suite

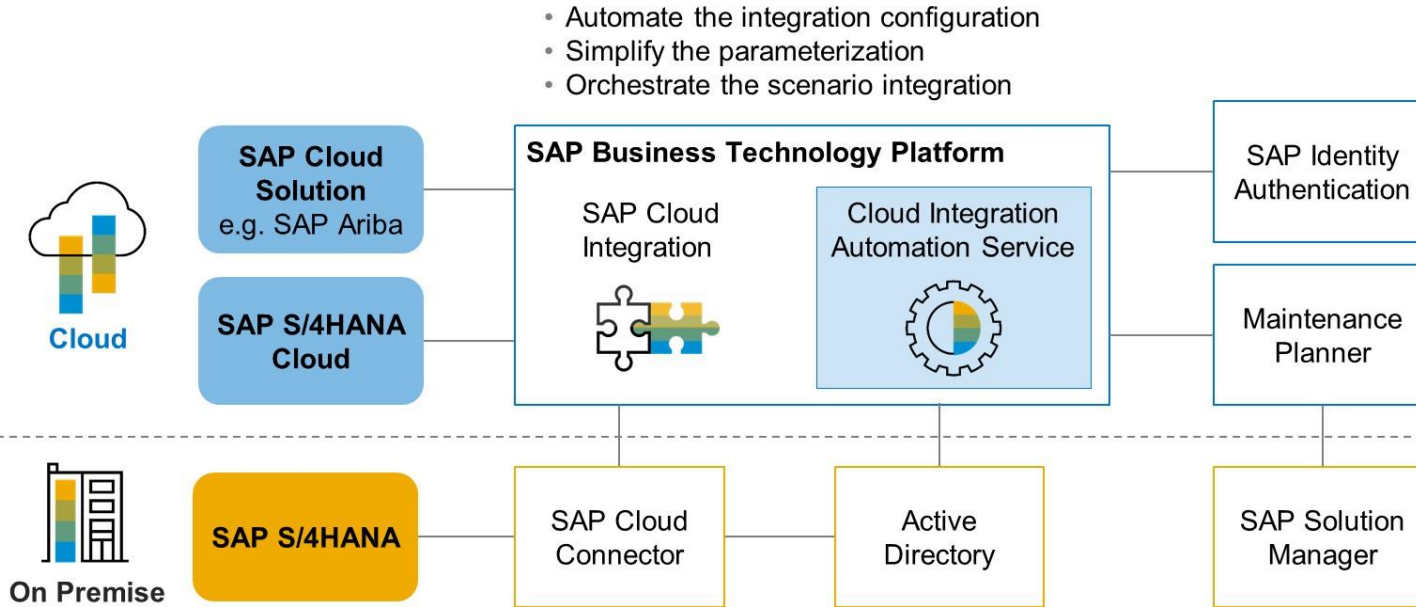


Learn more about the SAP Integration Suite in the [SAP Discovery Center](#).

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.

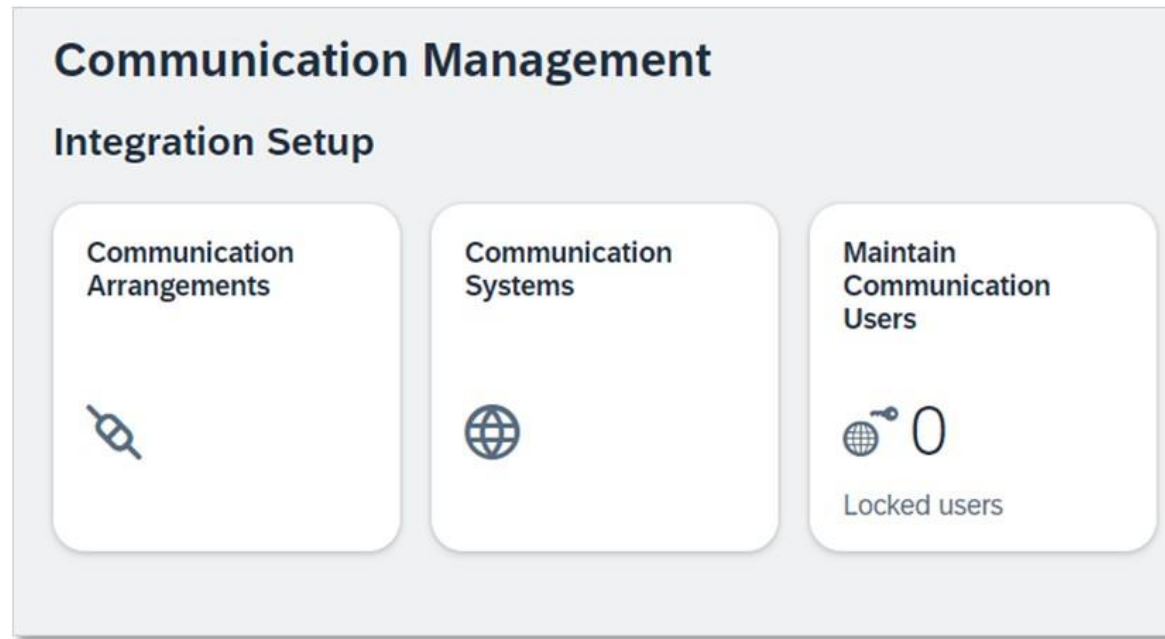
• Semiautomated Tasks:

- 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:

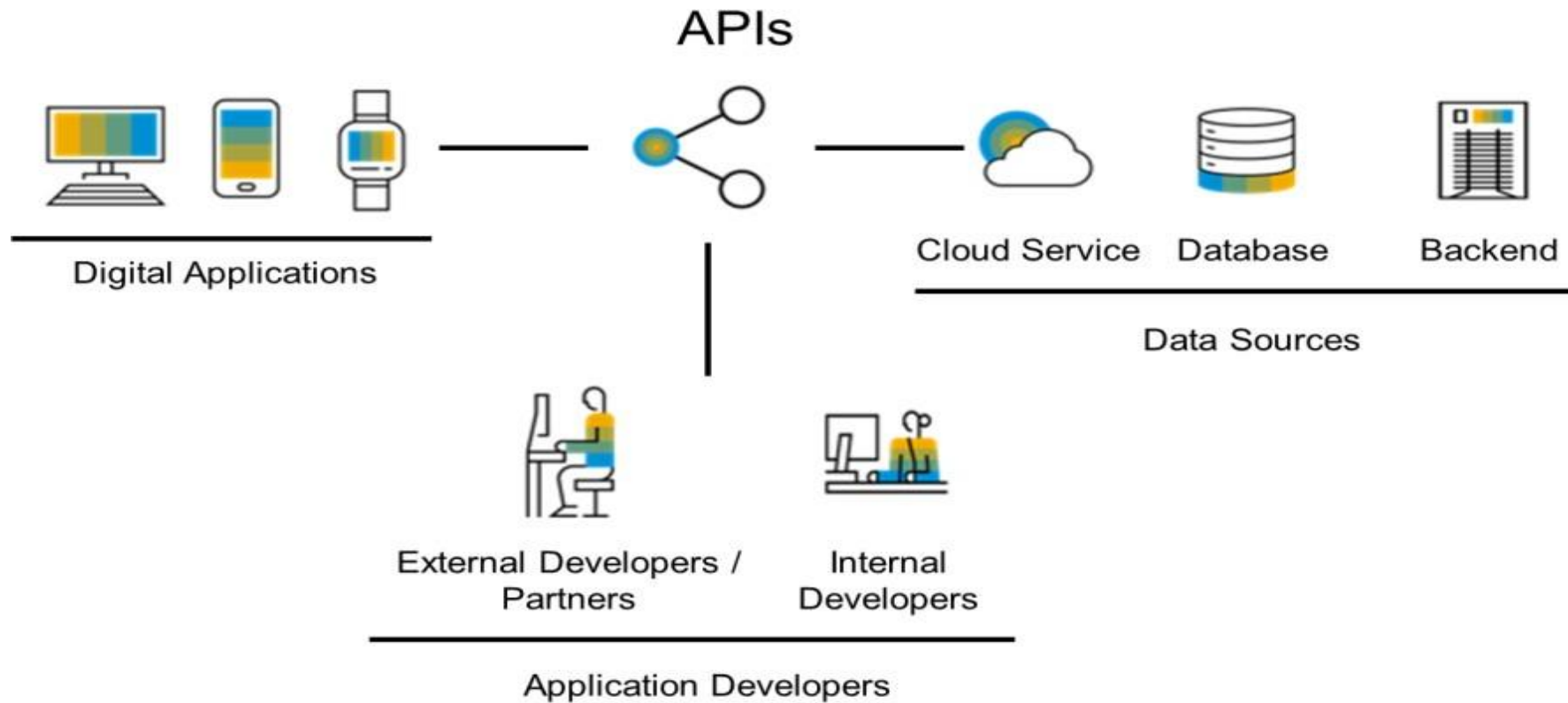
- Creates Business Technology Platform extensions to connect to SAP S/4HANA Cloud.

Custom Communication Scenarios App:

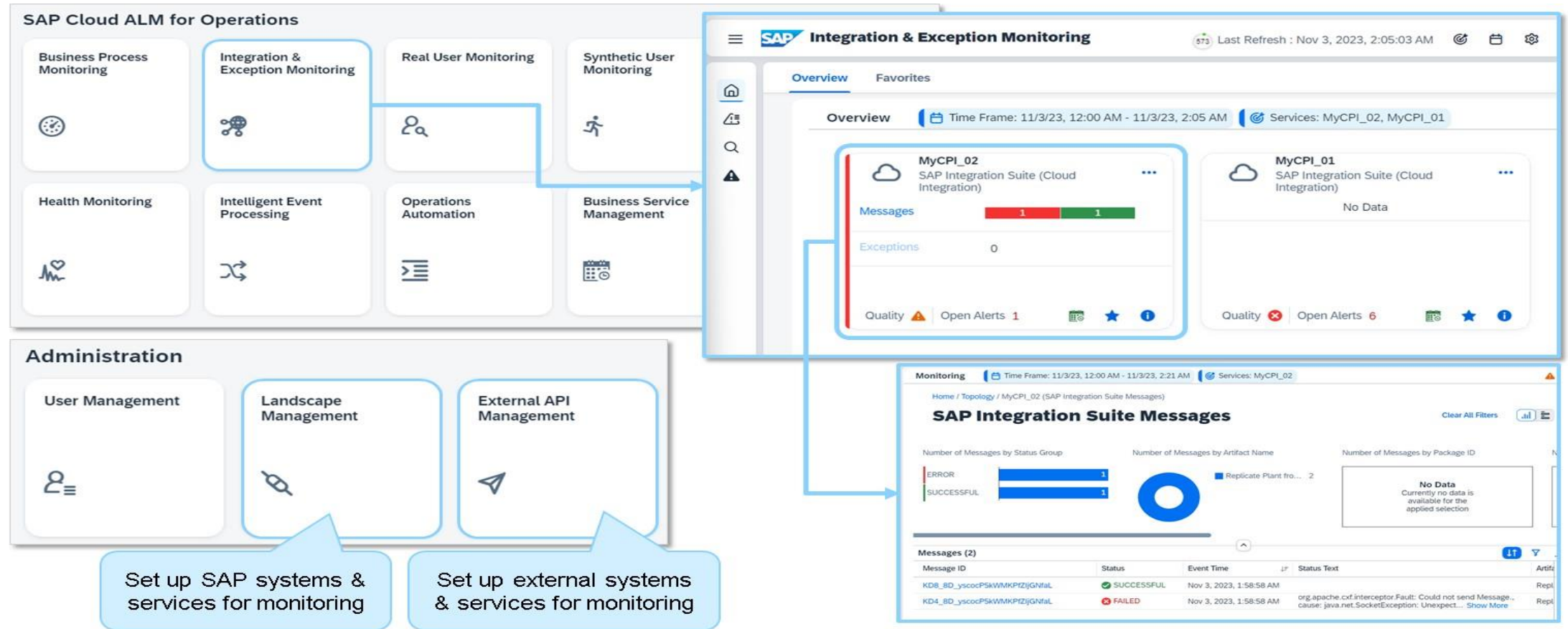
- Creates custom scenarios for later use in the Communication Arrangements app.
- Bundles inbound and outbound communication design-time artifacts.
- Forms the basis of communication between systems.

[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

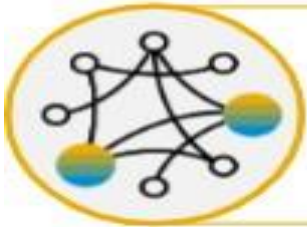
SAP S/4HANA Migration Cockpit



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

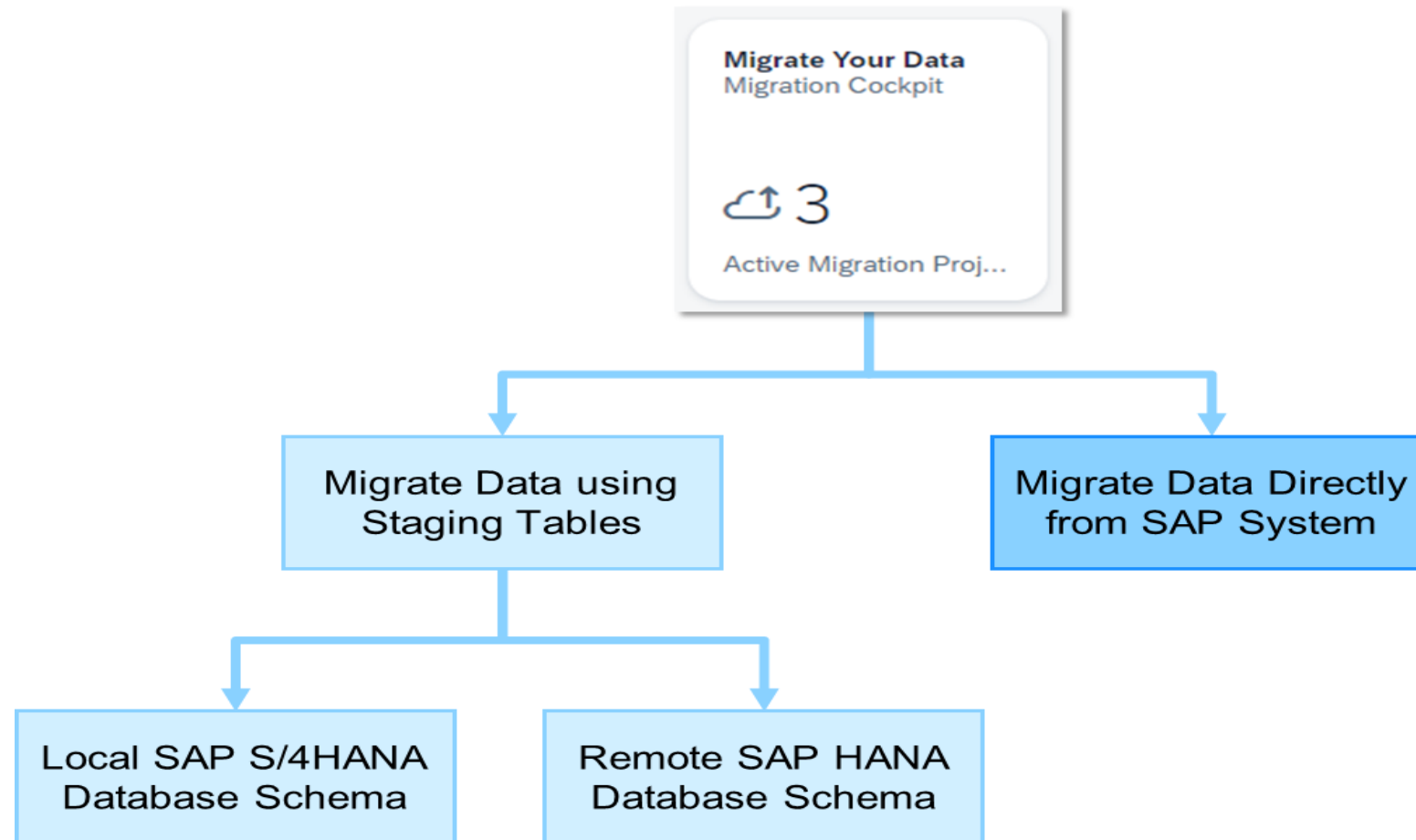


SAP Value Assurance for
data migration



Lower migration time and
costs

Methods of Migration



Transfer Data Using Template Files

1 General Data

2 Migration Objects

1. General Data

Here, you specify general information for your project. Note that it will not be possible to change the mass transfer ID or the database connection after you create the project.

Migration Approach: Migrate Data Using Staging Tables

Name: *

Mass Transfer ID: *

OVE

Display Next Available

Database Connection: *

Local SAP S/4HANA Database Schema

Remote SAP HANA Database Schema

test_

Migration Approach: Migrate Data Using Staging Tables

Mass Transfer ID: OK1

Database Connection: DEFAULT

Show All

Search

Actions

Download Template

Migration Object	Data	Mapping Tasks	Simulation	Migration	Migration Progress
Activity type	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
Bank	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
Material (deprecated)	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	

Migrate Your Data
Migration Cockpit

2
Active Migration Proj...

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

Guided
migration
procedure

Upload File

Upload File

Prepare

Mapping Tasks

Simulate

Migrate

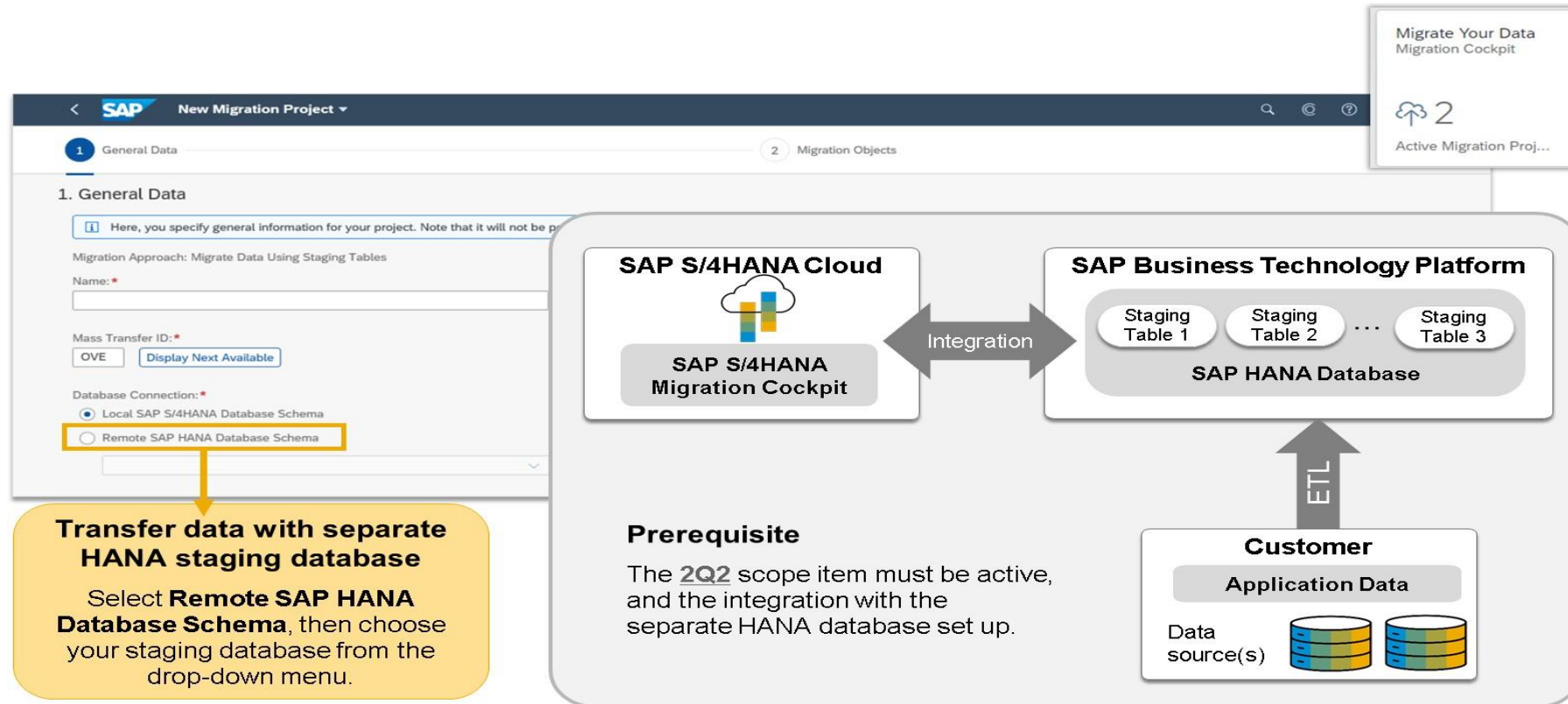
Create Correction File

Upload File

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
Bank	0	1	0	1	100%	Statistics
CO - Cost center	2,000	0	0	2,000	100%	Statistics
CO - Profit center (deprecated)	1,000	0	0	1,000	100%	Statistics
Customer	1,100	0	0	1,100	100%	Statistics

Extended Statistics in the Data Migration Status App

The screenshot illustrates the process of enabling extended statistics in the SAP Data Migration Status app. It shows the main interface with a table of migration objects, a context menu for statistics, and a detailed dialog for setting extended statistics.

Data Migration Status

Standard

Search Migration Period: Migration Project: Object Name: Record Status:

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

Select Categories Export Statistics

Set Extended Statistics

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

Search

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

Save Cancel

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

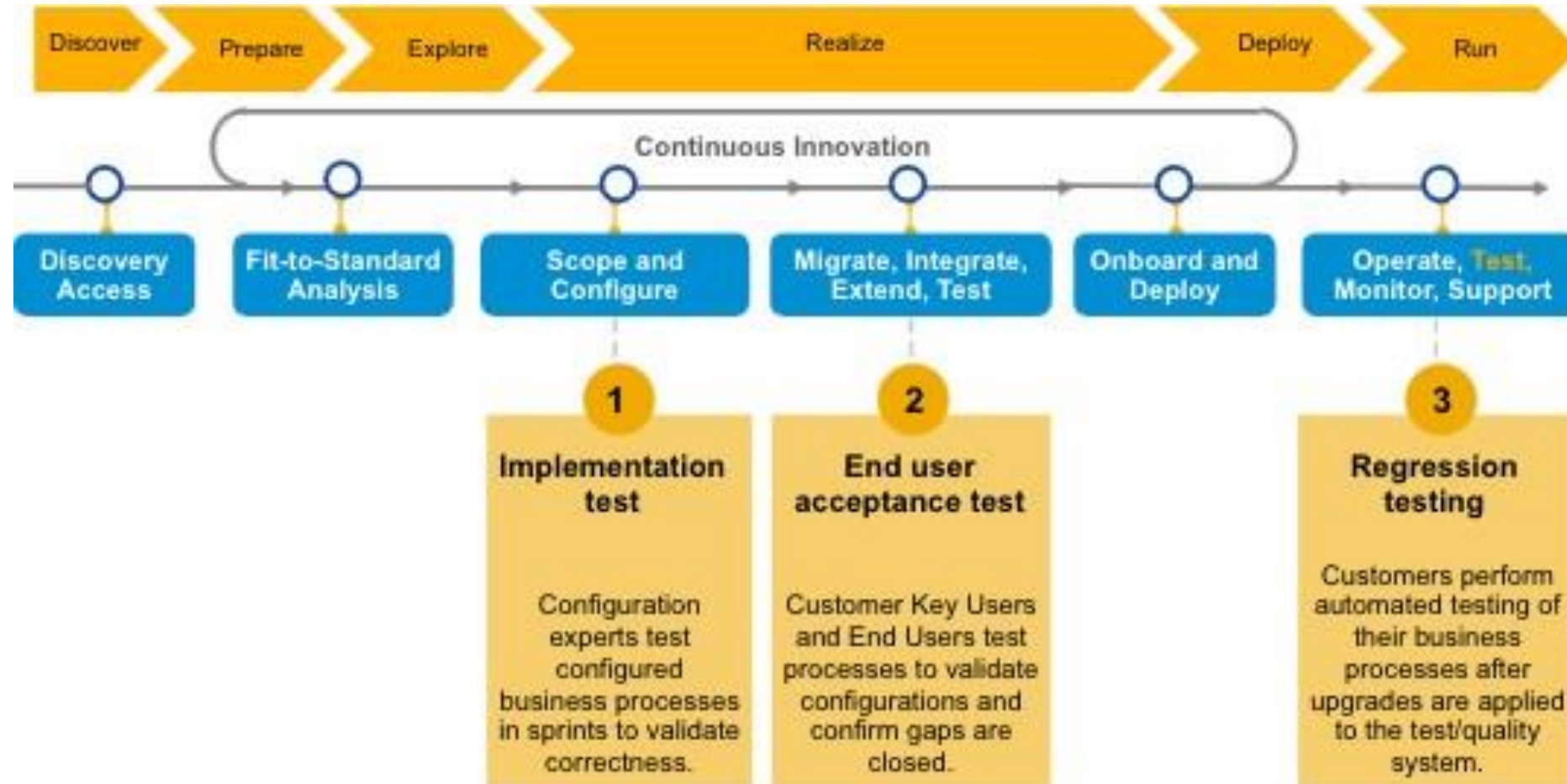
Exercise 11: Copy and Edit a Standard Test Automate Process

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 partnership between SAP Cloud ALM and 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)

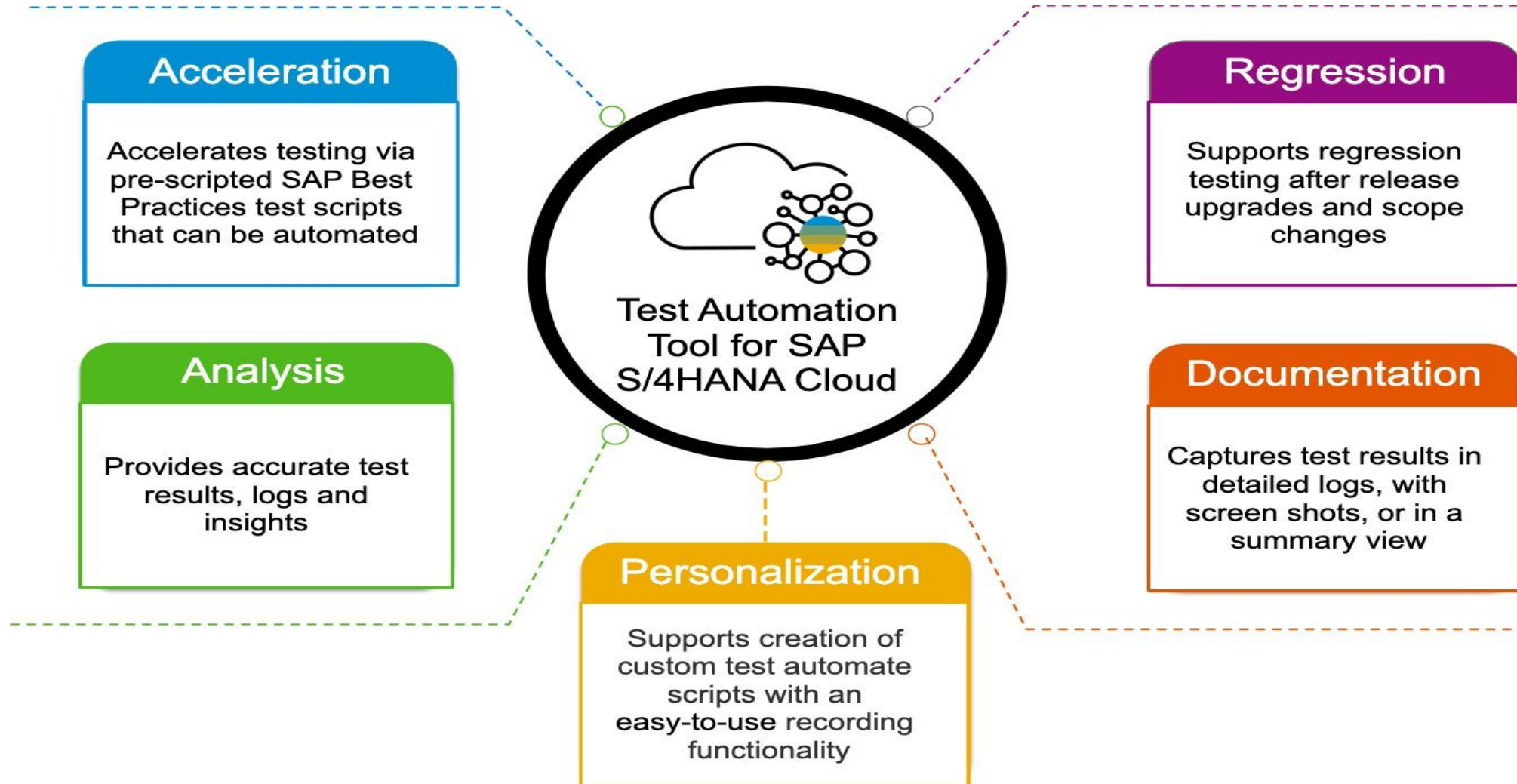
Title	Test Cases	Test Progress
J60 - 06 - Online Payments	2	100%
Scope: Forecast to Produce Business Process: Accounts Payable (J60) Saudi Arabia		

Test Cases

Test Cases (2)

Test Case Information	Last Changed	Test Progress	
<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

Q

🗕

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)

Visible in Test Plan

Test Process Information

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	>

🗕

🗕

🗕

+

Edit Copy Download Adapt Test Process

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

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

Field Binding

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

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 ▾

Test Plans (2715)

- 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 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

1
Processes

0
Variants

1
Logs

Test Processes (1)

Name	Type	Application Area	Status	Progress
Quality Management in Procurement	Standard	Supply Chain		100%

Re-Execute

Edit

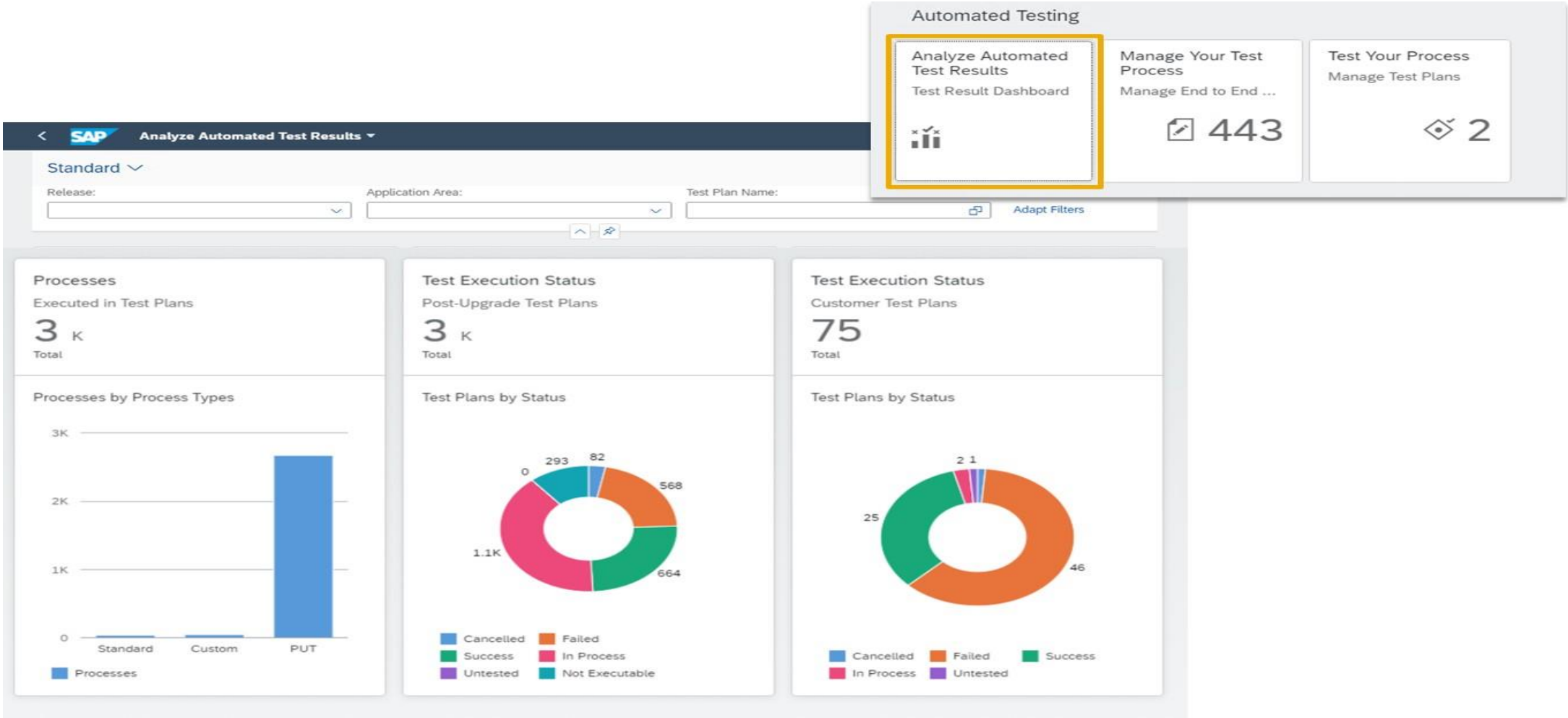
Copy

Delete

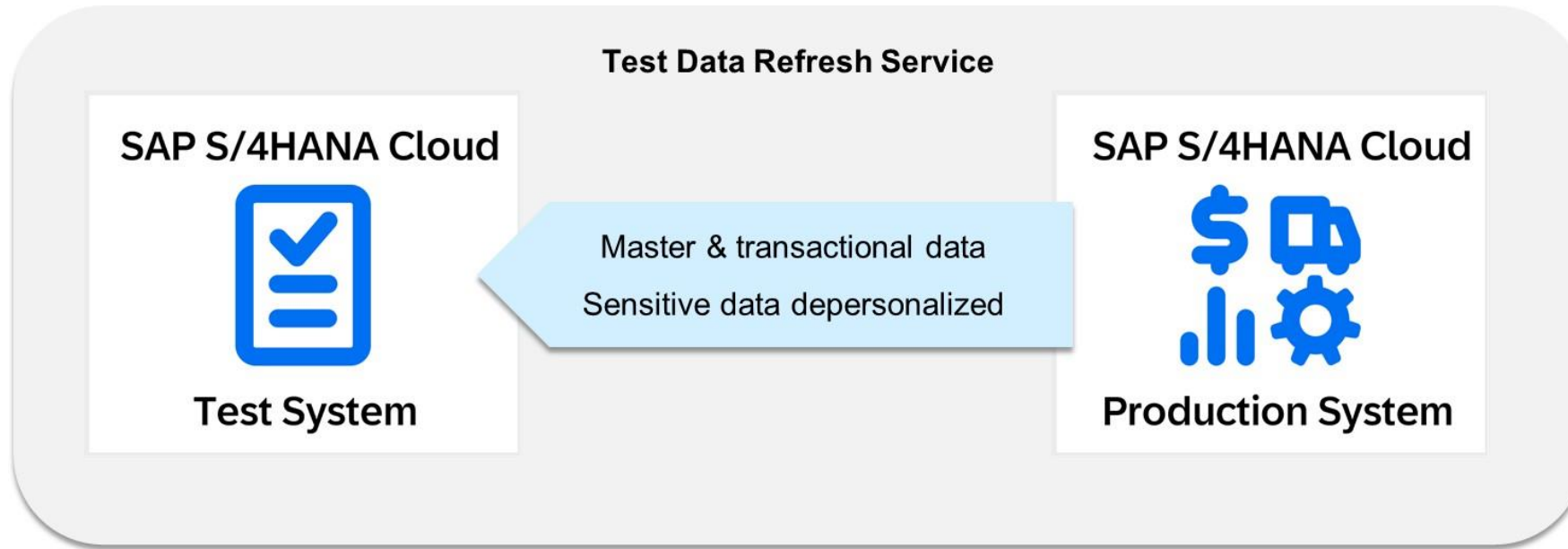
Download

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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