

# Extensibility for SAP S/4HANA

Course code: S4D425

This course covers the different extensibility approaches for SAP S/4HANA that are available to customers and partners: In-app extensibility focuses on adaptations created by key users that have a deep business knowledge but no technical expertise. In-app extensibility comprises adding new fields or custom logic and adapting the standard UIs. Creating custom UIs, and custom business objects is also supported. In contrast to in-app extensibility, side-by-side extensibility on SAP Business Technology Platform allows developers to build their own applications, enhancing and supplementing SAP S/4HANA and SAP S/4HANA Cloud. In on-premise environments with SAP S/4HANA, besides of the key user and side-by-side extensibility the classic extensibility approaches are still supported – but this know-how is covered by class BC425. Course based on software release: SAP S/4HANA 2020, ABAP Platform 2020, AS ABAP 7.55, SAP Business Application Studio, SAP BTP ABAP Environment.

## Who is the course for

- Application Consultant
- Developer
- Development Consultant
- Solution Architect
- System Administrator
- System Architect
- Technology Consultant
- User

## What we teach you

This course will prepare you to:

- explain the extensibility concept for SAP S/4HANA
- extend the SAP Fiori launchpad
- personalize SAP Fiori applications with end user tools
- use the extension options for key users
- explain the concept of side-by-side extensibility using SAP Business Technology Platform

## Required skills

### Essential

- S4DEV (Hands-on Introduction to Application Programming on SAP S/4HANA)

## Course outline

- SAP S/4HANA Extensibility Overview
- Get to know about the extensibility concept in SAP S/4HANA
- SAP Fiori Launchpad Adaption
- Personalize the SAP Fiori launchpad
- Manage the SAP Fiori launchpad content
- Extend the SAP Fiori launchpad
- Key User Extensibility
- Use variant management
- Use SAP Fiori runtime authoring
- Create data source extensions
- Create custom fields
- Enable custom database fields for usage in SAP Fiori applications
- Create custom logic
- Create custom business objects
- Create a UI for a custom business object

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# Extensibility for SAP S/4HANA

- Add custom logic to a custom business object
- Create custom libraries and methods
- Create custom code lists
- Transport extension items
- Side-by-Side Extensibility
- Describe essential features of side-by-side extensions
- Name the most important factors that influence the choice of the extensibility option
- Develop an extension for SAP S/4HANA with SAP BTP ABAP Environment

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