

Extensibility for SAP S/4HANA

Course Summary

Objectives

At the end of this course, students will be able 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.
- Apply extensions using ABAP development tools.
- Explain the concept of side-by-side extensibility using SAP Cloud Platform.

Topics

- SAP S/4HANA Extensibility Overview
- SAP Fiori Launchpad Adaption
- Key User Extensibility
- In-App Extensions with Classic Development Tools
- Side-by-Side Extensibility

Audience

Those who can benefit from this Extensibility for SAP S/4HANA course include:

- Application Consultant
- Developer
- Development Consultant
- Solution Architect
- Super/Key/Power User
- Technology Consultant

Prerequisites

Essential:

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

Recommended:

- Building Views in Core Data Services ABAP (CDS ABAP)
- SAP Gateway – Building OData Services
- Developing UIs with SAPUI5

Duration

Three days

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Course Outline

- I. *SAP S/4HANA Extensibility Overview*
 - A. Get to know about the extensibility concept in SAP S/4HANA
 - B. Explain In-App Extensibility
 - C. Explain Side-by-Side Extensibility
 - D. Realize which extensions, in-app and side-by-side, are available depending on the SAP S/4HANA versions

- II. *SAP Fiori Launchpad Adaption*
 - A. Personalize the SAP Fiori Launchpad
 - B. Manage the SAP Fiori Launchpad content
 - C. Extend the SAP Fiori Launchpad

- III. *Key User Extensibility*
 - A. Use Variant Management
 - B. Use SAP Fiori runtime authoring
 - C. Create data source extensions
 - D. Create custom fields
 - E. Enable custom database fields for usage in SAP Fiori applications
 - F. Create custom logic
 - G. Create custom business objects
 - H. Create a UI for a custom business object
 - I. Add custom logic to a custom business object
 - J. Create custom libraries and methods
 - K. Create custom code lists
 - L. Transport extension items

- IV. *In-App Extensions with Classic Development Tools*
 - A. Know how AMDP enhancement works
 - B. Implement a BADl of an ABAP Managed Database Procedure
 - C. Explain the concept of CDS view enhancements
 - D. Enhance a CDS View
 - E. Explain metadata extensions
 - F. Redefine Gateway services
 - G. Redefine a data service
 - H. Explain Extension Points in SAPUI5
 - I. Describe other types of extensibility in SAPUI5 applications

- V. *Side-by-Side Extensibility*
 - A. Comprehend the main uses case
 - B. Get an overview of the main side-by-side scenarios
 - C. Categorize application types into archetypes
 - D. Retrace how to create new user interfaces on SAP Cloud Platform
 - E. Retrace how to create a new custom application on SAP Cloud Platform
 - F. Retrace how to create a new event driven extension between SAP S/4ANA Cloud and SAP Cloud Platform