S4DEV - Introduction to Application Programming on SAP S/4HANA Training

Duration: **3 Day**

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This {*training} provides an overview of the **ABAP RESTful Application Programming Model (RAP)**. The objective is to create an **SAP Fiori app** by covering all steps required to develop and deliver it to the **SAP Fiori launchpad**.

After a brief introduction to **SAP S/4HANA** and **SAP Fiori**, the course begins with creating **CDS projection views** using **ABAP Development Tools (ADT)**. These are then exposed as business services for consumption in an **SAPUI5** app built with **SAP Fiori elements**.

Transactional processing is enabled by using the behavior of a RAP business object, including determinations, validations, and actions. Draft-support and value helps are also implemented. Finally, the app is made available in the **SAP Fiori launchpad** by creating catalogs, tiles, and target mappings.

Prerequisites

Essential:

- BC100 or equivalent programming knowledge

Recommended:

- S4D400

Who Should Attend

- Developers
- Development Consultants

What You Will Learn

By the end of this {*training}, you will have gained knowledge and skills in the following areas:

- Understand the principles of SAP S/4HANA and SAP Fiori
- Discover and apply the ABAP RESTful Application Programming Model
- Implement and deliver basic apps using SAP Fiori elements

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Training Outline

Foundation

- Exploring SAP S/4HANA
- Exploring SAP Fiori

Data Modeling

- Working with ABAP Development Tools
- Exploring ABAP Core Data Services (CDS)
- Creating CDS Views

Data Service

- Exploring Business Services
- Working with Business Services

User Interface

- Developing SAP Fiori UIs
- Consuming Business Data using SAP Fiori Elements
- Working with SAP Business Application Studio

Application Provisioning

- Managing SAP Fiori Launchpad Content
- Creating Technical and Business Catalogs

Transactional Processing

- Enabling Change Operations and Draft Capabilities
- Exploring Determinations, Validations, and Actions
- Adding Value Help