Introduction to Application Programming on SAP S/4HANA

Duration: 3 Days **Course Code: S4DEV** **Delivery Method: Company Event**

Overview:

This course provides participants with an overview of the ABAP RESTful Application Programming Model (RAP). The goal is to create an SAP Fiori app touching every area needed to develop and deliver this app to the SAP Fiori launchpad.
After a short introduction to SAP S/4HANA and SAP Fiori, the first step is to create CDS projection views on top of existing data model views using the ABAP Development Tools (ADT). Exposing the CDS projection views as a business service makes it possible to consume the model data in a SAPUI5 app, which is built using SAP Fiori elements.
Using the behavior of a RAP business object, transactional processing is enabled in the app. Determinations, validations and actions are also added through this. As additional functionality draft-support and value helps are implemented. To make the app available in the SAP Fiori launchpad, catalogs with tiles and target mappings are created.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

- Developers
- Development Consultants

Objectives:

- This course will prepare you to:
- Understand the principles of SAP S/4HANA and SAP Fiori
- Discover and use the ABAP RESTful Application Programming Model
- Implement and provide basic apps based on SAP Fiori elements

Prerequisites:

Essential

- BC100 or equivalent programming knowledge

Recommended

- S4D400

Content:

Foundation

- Exploring SAP S/4HANA
- Exploring SAP Fiori

Data Modeling

- Working with ABAP Development Tools
- Exploring ABAP Core Data Services
- 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 the SAP Business Application Studio

Application Provisioning

- Managing SAP Fiori launchpad content
- Creating Technical Catalogs and Business Catalogs

Transactional Processing

- Enabling change operations and draft capabilities
- Exploring Determinations, Validations and Actions
- Adding Value Help

Additional Information:

Course based on software release SAP S/4HANA 2021 ABAP Platform 2021 AS ABAP 7.56 SAPUI5 1.96 SAP Business Application Studio

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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