

kod szkolenia: SAP/S4D437 / Std

Building Transactional Apps with the ABAP RESTful Application Programming Model



- This course is a deep dive into the ABAP RESTful Application Programming Model. The primary focus lies on the transactional behavior of business objects and their consumption in OData UI services.
- You will learn to define business objects which consist of just one data node, as well as business objects consisting of a hierarchy of nodes.
- When implementing the transactional behavior, you will first use the generic data access layer (managed approach). Later you will also integrate existing legacy code (unmanaged or partially managed approach).
- You will draft-enable your business object and produce and consume business events. Finally, you will enable the extensibility of your business object and learn how to extend existing business objects.
- The course is held on SAP BTP, ABAP environment. However, most of the content is equally suitable for SAP S/4HANA cloud editions and SAP S/4HANA 2020 or later. Some features shown in the course may not be available in older SAP S/4HANA releases.



Odbiorcy szkolenia

- Developer
- Development Consultant



Korzyści

- This course will prepare you to:
 - Exploring the ABAP RESTful Application Programming Model
 - Working with ABAP RESTful Application Programming Model business objects
 - Adding Basic Operations Update and Create
 - Developing Draft-enabled Services
 - Defining Compositions
 - Implementing Unmanaged Data Access
 - Integrating Business Events
 - Enabling and Using Extensibility



Program szkolenia

- Exploring the ABAP RESTful Application Programming Model
 - Exploring the Concept and Architecture
 - Defining a CDS-based Data Model
 - Defining an OData UI Service
- Working with ABAP RESTful Application Programming Model Business Objects
 - Defining RAP BOs and their Behavior
 - Using the Entity Manipulation Language (EML) to Access RAP BOs
 - Understanding Concurrency Control
 - Defining Actions and Messages
 - Implementing Authority Checks
- Adding Basic Operations Update and Create
 - Defining Static Field Control and Value Helps
 - Implementing Input Checks using Validations
 - Setting Values using Numbering and Determinations
 - Implementing Dynamic Feature Control
- Developing Draft-enabled Services
 - Understanding the Draft Concept
 - Implementing the Behavior of Draft-Enabled BOs
- Defining Compositions
 - Defining Composite RAP Business Objects
 - Defining Compositions in OData UI Services
 - Implementing the Behavior of Composite Business Objects
- Implementing Unmanaged Data Access
 - Exploring the Behavior Implementation Options

- Implementing Unmanaged Business Objects
- Implementing Data Access in Managed Business Objects
- Integrating Business Events
 - Raising and Handling Business Events
 - Working with Event Parameters
- Enabling and Using Extensibility
 - Exploring Extensibility Options
 - Enabling Data Model Extensibility
 - Developing Data Model Extensions
 - Enabling and Developing Behavior Extensions



Oczekiwane przygotowanie uczestnika

- Experience in object-oriented ABAP Programming
- Experience in modern, expression-based ABAP syntax
- Basic knowledge of data modelling in ABP dictionary and ABAP Core Data Services * The recommended way to acquire the necessary knowledge is through courses [S4D400](#), [S4D401](#), and [S4D430](#) or the [Acquiring Core ABAP Skills learning journey](#).



Czas trwania

5 dni / 38 godzin

Język

Szkolenie w języku polskim lub angielskim. Język szkolenia jest uzależniony od konkretnego terminu. W celu uzyskania szczegółowych informacji, ustalenia terminu, bądź informacji o wersji językowej prośba o kontakt z opiekunem handlowym.

- Materiały: angielski