

Services for teaching, research and co-innovation

SAP University Alliances is a global program that provides more than 3,000 universities with free SAP software licenses for academic purposes. Within this program the SAP University Competence Centers (UCC) host SAP solutions for teaching, research and co-innovation.

In addition, UCCs develop and manage academic teaching materials to assist lecturers and researchers. While UCCs assure 24/7 availability of complex system landscapes and support users closely, faculty members can fully concentrate on their core competencies: teaching and research.

By using our scenario-based and practical curricula on latest SAP solutions, lecturers and students can reach their full potential. Our comprehensive teaching materials consist of presentations, case studies and hands-on exercises. Additional teaching tools facilitate continuous student assessments and foster group discussions.

Our experts can support you through all phases.

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PILOT

SAP BTP Integration Suite

Teaching and Learning Environment

Also available:

- Global Bike Go
- HANA
- Development
- TS410
- S/4HANA
- SAC
- IBP
- ERPsim
- Global Bike
- Configuration
- I4.0
- BW/4HANA
- SAP DataSphere
- Signavio

SAP Integration Suite Curriculum (PILOT)

Built as a service within SAP BTP, the Integration Suite is an integration platform-as-a-service (iPaaS) that helps quickly integrating on-premise and cloud-based processes, services, applications, events, and data. The cohesive and comprehensive platform supports multiple application-to-application (A2A) and business-to-business (B2B) integration scenarios, with various applications and data sources from SAP and non-SAP, on premise, as well as cloud based. See www.sap.com/products/technology-platform/integration-suite.html for more information.

Motivation

In most companies, the IT landscape is increasingly complex with numerous on-premises, cloud and external systems from partners and governments. Building efficient process and data integrations to support the enterprise architecture is a difficult task. However, application integration is rarely taught in IT degrees and so, this curriculum offers a way to introduce this topic in a short time frame.

Target Audience & Environment

The curriculum is designed for bachelor level students (2nd 3rd year) in Computer Science, Information Technology, or Business IT degrees. To be able to properly teach this curriculum, the lecturer should be of technical background and have prior knowledge about application integration principles and patterns.

Content

6 exercises cover the development of integrations following standard patterns, and the monitoring and operations of the platform. Slides about application integration theory and patterns are provided as well. Finally, a use case gives a scenario for a mini project, allowing the students to build an integration independently and the teacher to evaluate them. In total, this curriculum provides enough material for roughly 30 to 40 hours of teaching and personal work from students.

Overview

Exercise 1
Navigation and Discovery

Exercise 2
Simple Interface
Development

Exercise 3
Event-based Integration
and Routing Patterns

Exercise 4
Simple Interface
Development

Exercise 5
Splitter, Enricher and
Request-Reply Patterns

Exercise 6
Error Handling, Persistence
and Paramatrization

Use Case
End-to-End Integration for a
Pharmaceutical Company

