

UV 911.411
Enterprise Computing
WS2025/2026

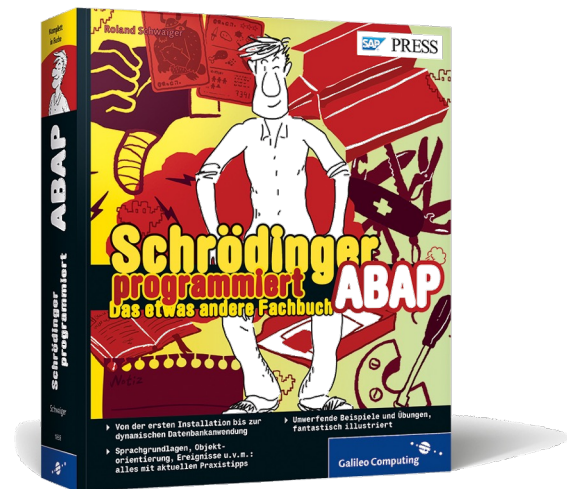
SW-Development with SAP-ABAP

Dr. Schwaiger Roland
NoR GmbH

Introduction



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The book to read (German)

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Dr. Roland Schwaiger

Located

Bad Dürrenberg, Hallein, AT

Background

Mathematics (University Salzburg)

Computer Sciences (University Salzburg, Bowling Green State University)

Project & Process Management (SMBS – University of Salzburg Business School)

Profession

Co-Founder and -CEO NoR GmbH

SAP Technical Consultant (Cert. SAP Development Consultant, SAP Cloud Developer)

SAP Trainer

Project Coach (Cert. Scrum Master)

Software Architect

Software Developer (SAP AG, Walldorf, DE and Customer Development Projects)

Author (check out Amazon and/or www.citeseer.com)

Lecturer (University Salzburg, FH Salzburg)

Passion

Learning

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Content/Organisation



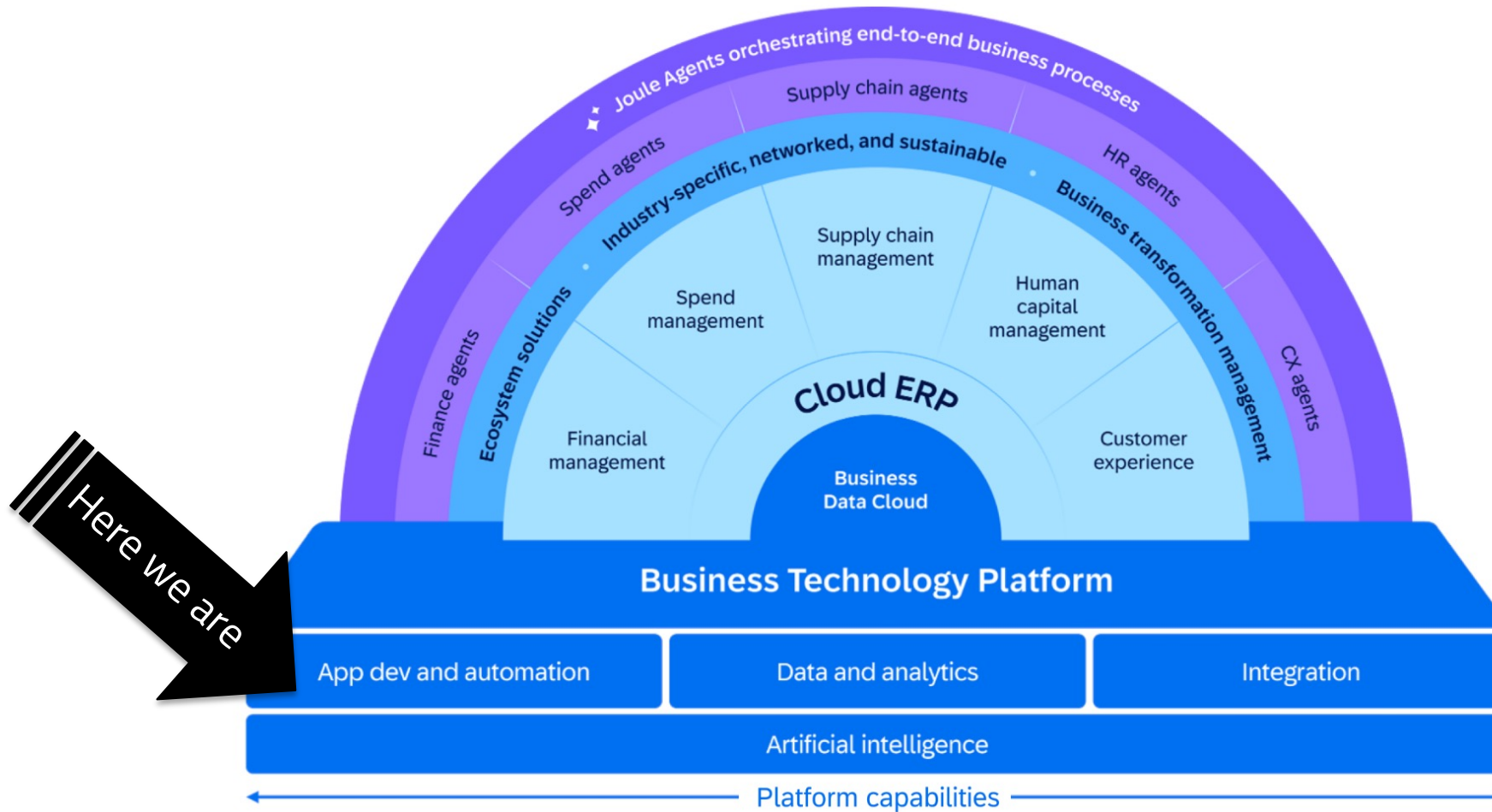
1. Motivation
2. Course Overview
3. Course Finish

- At the University
- 3 days en bloc (check nor.gmbh, rolandschwaiger.at)

Date: 04.02.2026 – 06.02.2026 (Day1 – Day3)

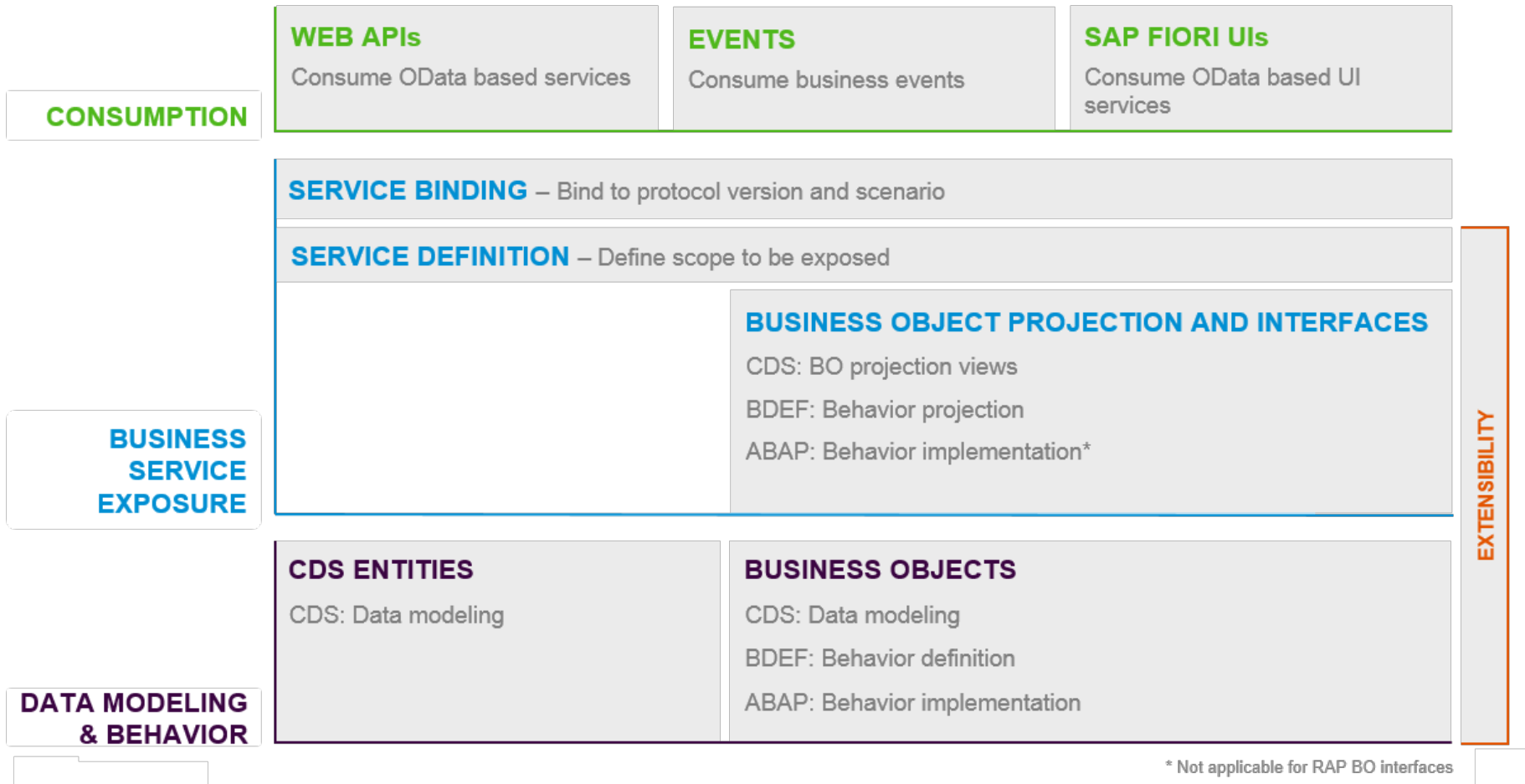
Time: 09:00-12:00 and 13:00-17:00

Motivation

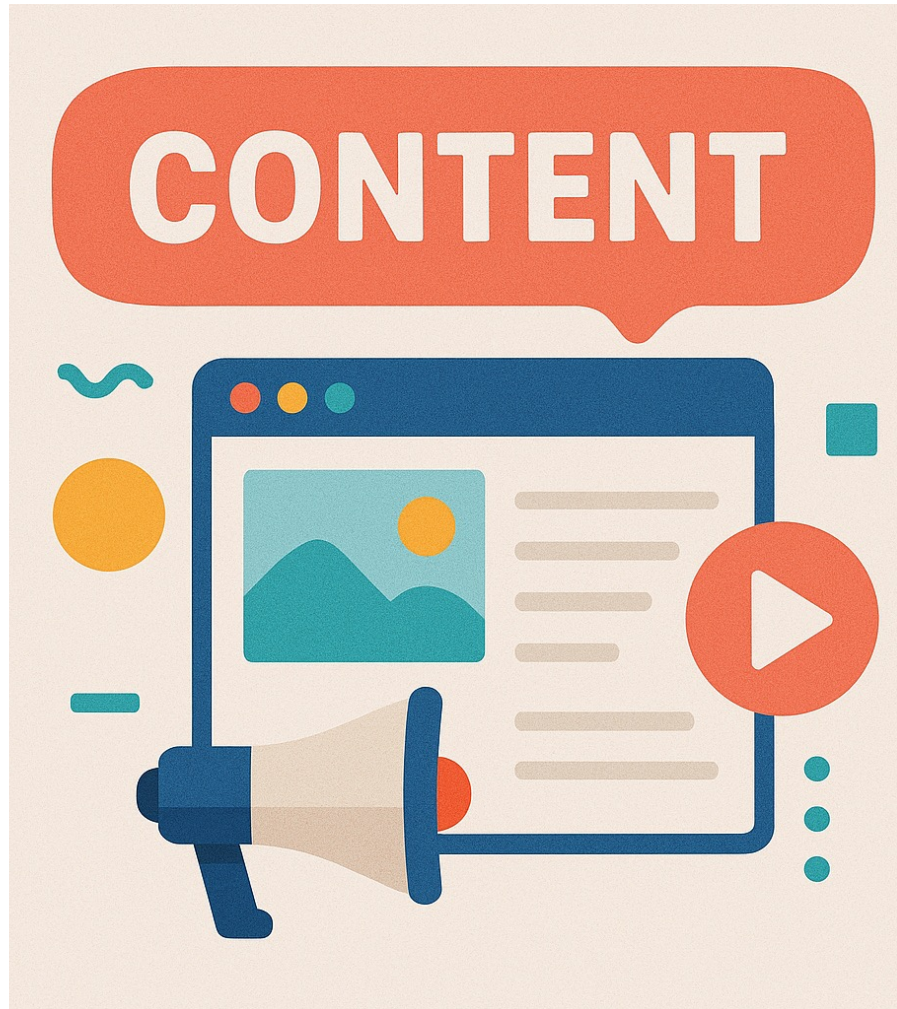


Motivation cont.

RAP - The big picture



Course Overview



Infrastructure BTP, Cockpit, Subaccount, Entitlements, Cloud Foundry, ABAP Environment

ABAP Cloud Program Package, OO Console Application

Dev Tools Eclipse ADT, Git, BAS, Class Builder, ABAP Editor, Dictionary

Data Types and Data Object DATA, TYPES, Tables, Structures, References

ABAP OO Class, Object, Method, Attribute, Exception

RAP Development CDS, Behavior, Service, Binding, UI Annotation

Database Create Tables, Read, Update, Delete

Finalizing the Course

The completion of the course takes place within the course block. This consists of:

- Implementation of repository objects as part of the course
- Final examination
 - Theoretical exam with ten questions covering the course content
 - Development of repository objects



First Assignment


Register for BTP Trial

- Follow instructions on <https://www.sap.com/products/technology-platform/trial.html>
- Send screen shot of your sub account to my e-mail address
- Due to 19.12.2025
- Precondition for participating the course



Second Assignment

Instantiate ABAP Environment on SAP BTP, Install Eclipse with ADT and Create an ABAP Cloud Project

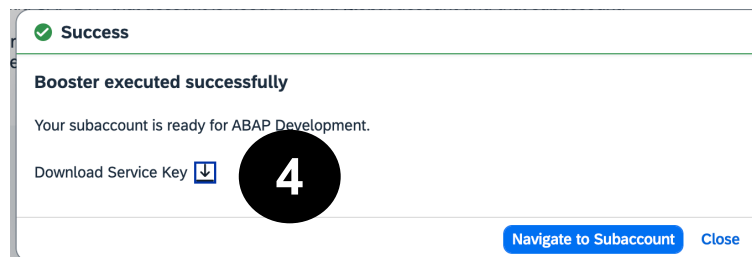
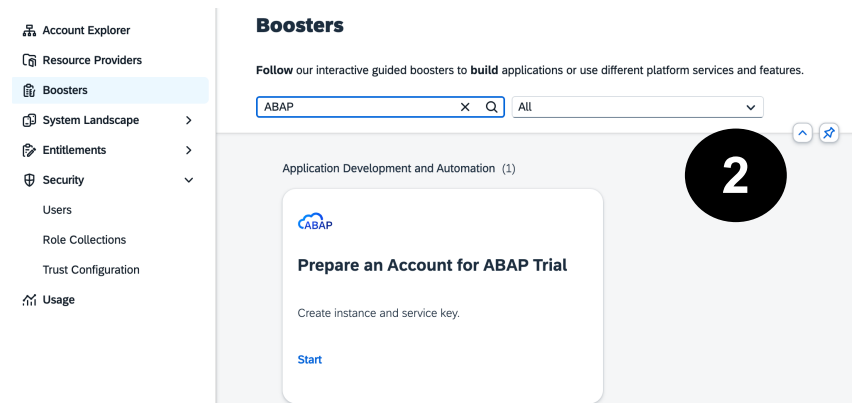
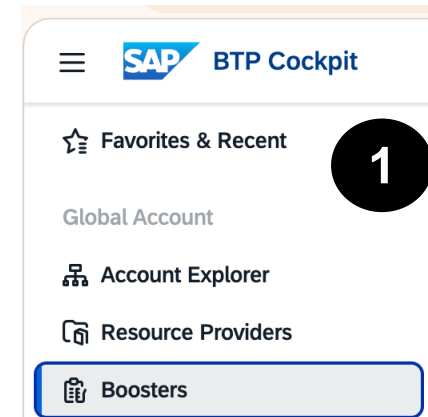
- Follow instructions on
 - Create ABAP Environment and save key:
 - See page 10
 - Install Eclipse:
<https://developers.sap.com/tutorials/abap-install-adt.html>
 - Create an ABAP cloud project in Eclipse:
 - <https://developers.sap.com/tutorials/abap-environment-create-abap-cloud-project.html>
 - See page 11
- Send a screen shot of your cloud project to my e-mail address, looks like > 
- Due to 31.01.2026
- Precondition for participating the course



Second Assignment

Instantiate ABAP Environment on SAP BTP

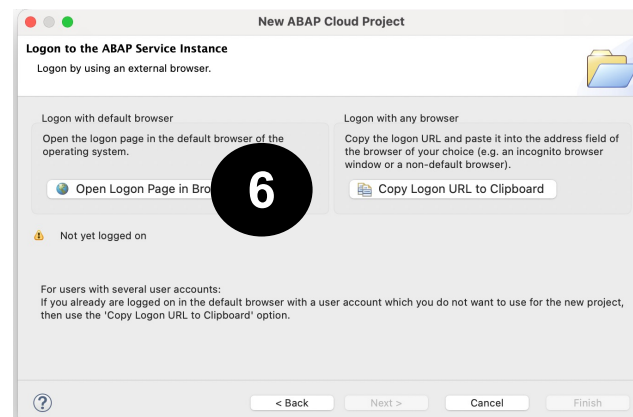
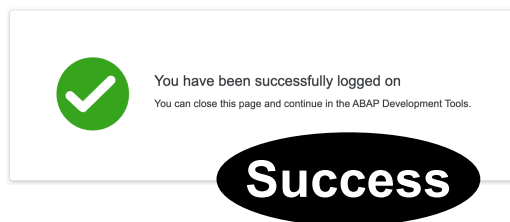
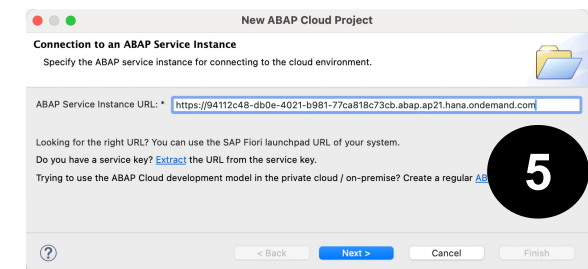
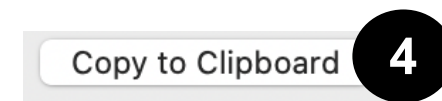
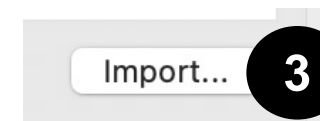
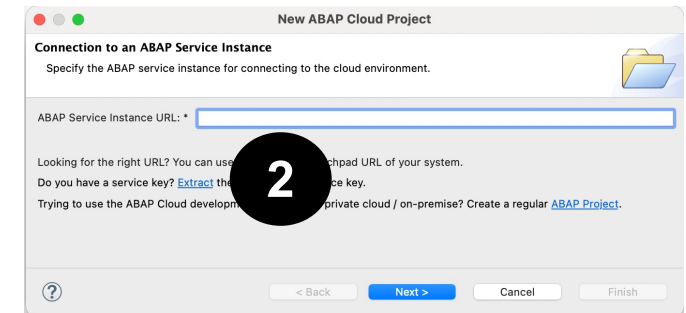
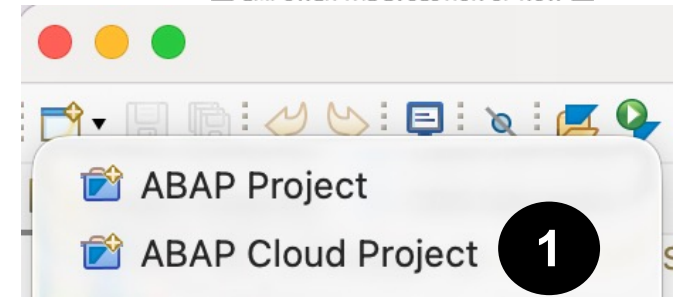
1. Select Booster
2. Search "Prepare an Account for ABAP Trial"
3. Select Tile, Press Start and wait for the Booster to finish
4. Download Service Key
5. Navigate to subaccount



Second Assignment

Create Cloud Project – Select URL

1. Select ABAP Cloud Project
2. Click the [Extract](#) link
3. Click the **Import** button on the “Extract Service Instance URL” screen. Select the key file you have downloaded before.
4. Click the **Copy to Clipboard** button and **Close**
5. Paste the URL in the “ABAP Service Instance URL” input field
6. Choose Next and Choose the button “Open Logon Page in Browser” (if this is not working then choose the second button and copy the url to the clipboard and paste it in your browser)



Literature List

www.wikipedia.org

developers.sap.com

help.sap.com

nor.gmbh,rolandschwaiger.at



Recommendation

