



# **Trends and Concepts in the Software Industry II**

## **Analyzing Customer Adoption of Enterprise Cloud Platforms**

Prof. Hasso Plattner, Michael Perscheid, Ralf Teusner, Franziska Dobrigkeit  
Introduction 28th October 2021

Image courtesy of [www.bluecoat.com/](http://www.bluecoat.com/)

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# Goals

## Trends and Concepts in the Software Industry II

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- Learn about cloud transformation projects
- Identify enablers and barriers to cloud transformation in general and the adoption of the SAP Business Technology Platform in particular
- Develop concepts to lower the adoption barriers and enhance the development experience

# Course Overview

Block Week: February / March 2022



Pre Phase	INTRODUCTION	28.10.2021	<b>Introduction and information session</b>
	2-DAY KICK-OFF WORKSHOP	18.11. & 19.11.2021	<ul style="list-style-type: none"> <li>•Expert Sessions</li> <li>•Hands-on Exercises</li> <li>•Preparation for case studies</li> </ul>
	SELF DEPENDENT GROUP WORK & EXERCISES	December January February	<ul style="list-style-type: none"> <li>•Your own schedule</li> <li><b>Case studies, identify positive experiences and issues in your cases</b></li> <li>•User and Expert interviews + further desk research</li> <li>•Synthesis of results</li> <li>•Your own schedule</li> </ul>
	INTERMEDIATE PRESENTATIONS	Feb 2022	<b>Present your insights</b> <ul style="list-style-type: none"> <li>•Short presentation and discussion</li> </ul>
Block Week	SEMINAR WEEK BUILDING & PRESENTING A SOLUTION	Feb / Mar 2022	<ul style="list-style-type: none"> <li>•Presentation: case studies and insights, initial prototype ideas</li> <li>•Expert sessions: technology aspects</li> <li>•Ideation and Implementation of a prototype</li> <li>•Test / evaluation with case study contacts</li> <li>•Final presentations</li> <li>•5 days</li> </ul>
Post Phase	DOCUMENTATION	tba	<b>Document your work</b> <ul style="list-style-type: none"> <li>•Written report</li> <li>•Video or screencast to experience your prototype</li> </ul>

Chart 3

# Course Overview

## General Information



### ■ 6 ECTS points

### ■ Modules

#### □ IT-Systems Engineering MA

- ITSE-Analyse
- ITSE-Entwurf
- BPET-Konzepte und Methoden
- BPET-Spezialisierung
- BPET-Techniken und Werkzeuge
- OSIS-Konzepte und Methoden
- OSIS-Spezialisierung
- OSIS-Techniken und Werkzeuge

#### □ Data Engineering MA

- DATA-Konzepte und Methoden
- DATA-Techniken und Werkzeuge
- DATA-Spezialisierung
- SCAL-Konzepte und Methode
- SCAL-Techniken und Werkzeuge
- SCAL-Spezialisierung

#### □ Digital Health MA

- SCAD-Concepts and Methods
- SCAD-Technologies and Tools
- SCAD-Specialization
- APAD-Concepts and Methods
- APAD-Technologies and Tools
- APAD-Specialization

#### □ Cybersecurity MA

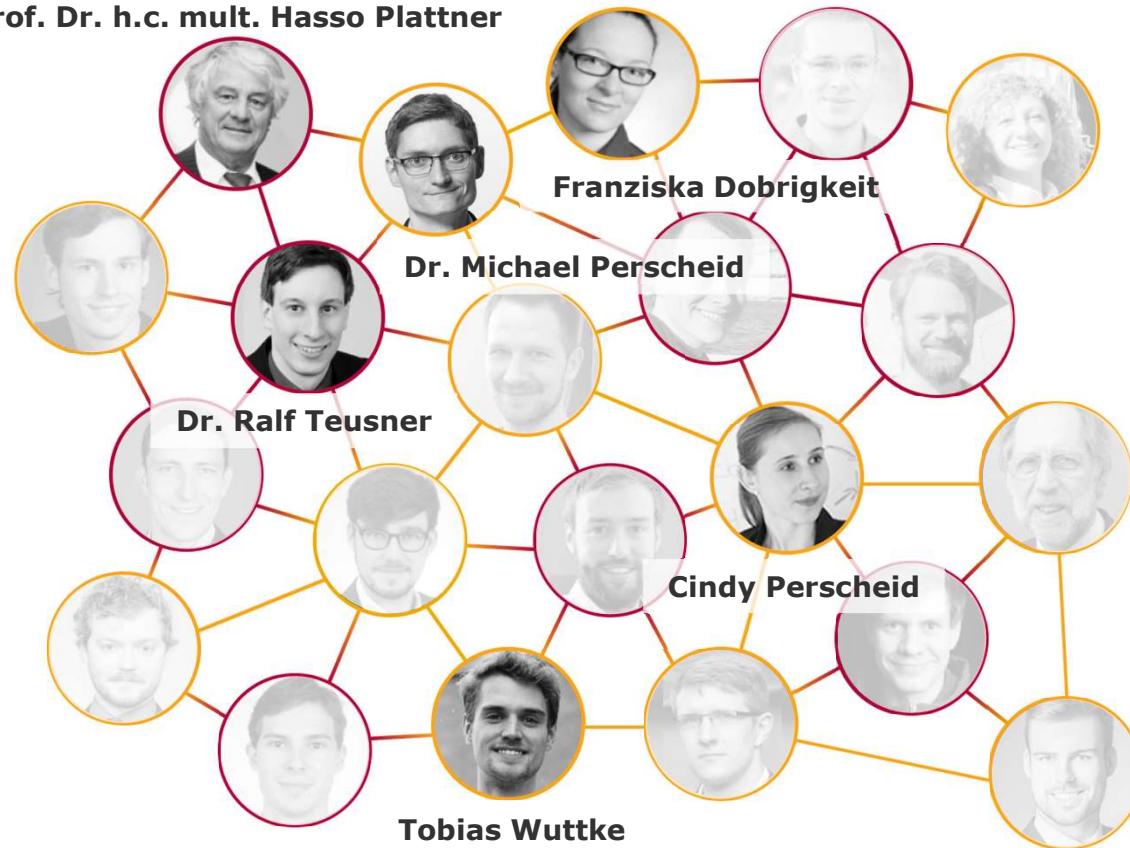
- IDMG-Konzepte und Methoden
- IDMG-Techniken und Werkzeuge
- IDMG-Spezialisierung

# Teaching Team

General Information



**Prof. Dr. h.c. mult. Hasso Plattner**



# Preparation

## Enterprise Clouds and Cloud-Native Development

- Knowledge about enterprise clouds and cloud native development is beneficial

- Materials

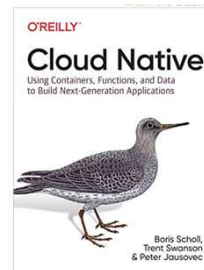
- MOOC: [Enterprise Goes Cloud](#)
- EBook Collection "[Kubernetes up and running](#)"



- *Reznik, Dobson & Gienow: Cloud Native Transformation Practical Patterns for Innovation*  
<https://cnpatterns.org/>



- *Scholl, Swanson & Jausovec: Cloud Native Using Containers, Functions, and Data to Build Next-Generation Applications*



# Preparation

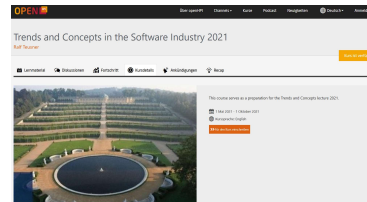
## Enterprise data management and in-memory databases



- Prior knowledge about the fundamentals of in-memory database technology & enterprise data management is beneficial

- Materials

- MOOC: [In-Memory Data Management](#)



- Plattner*: A Course in In-Memory Data Management  
The Inner Mechanics of In-Memory Databases

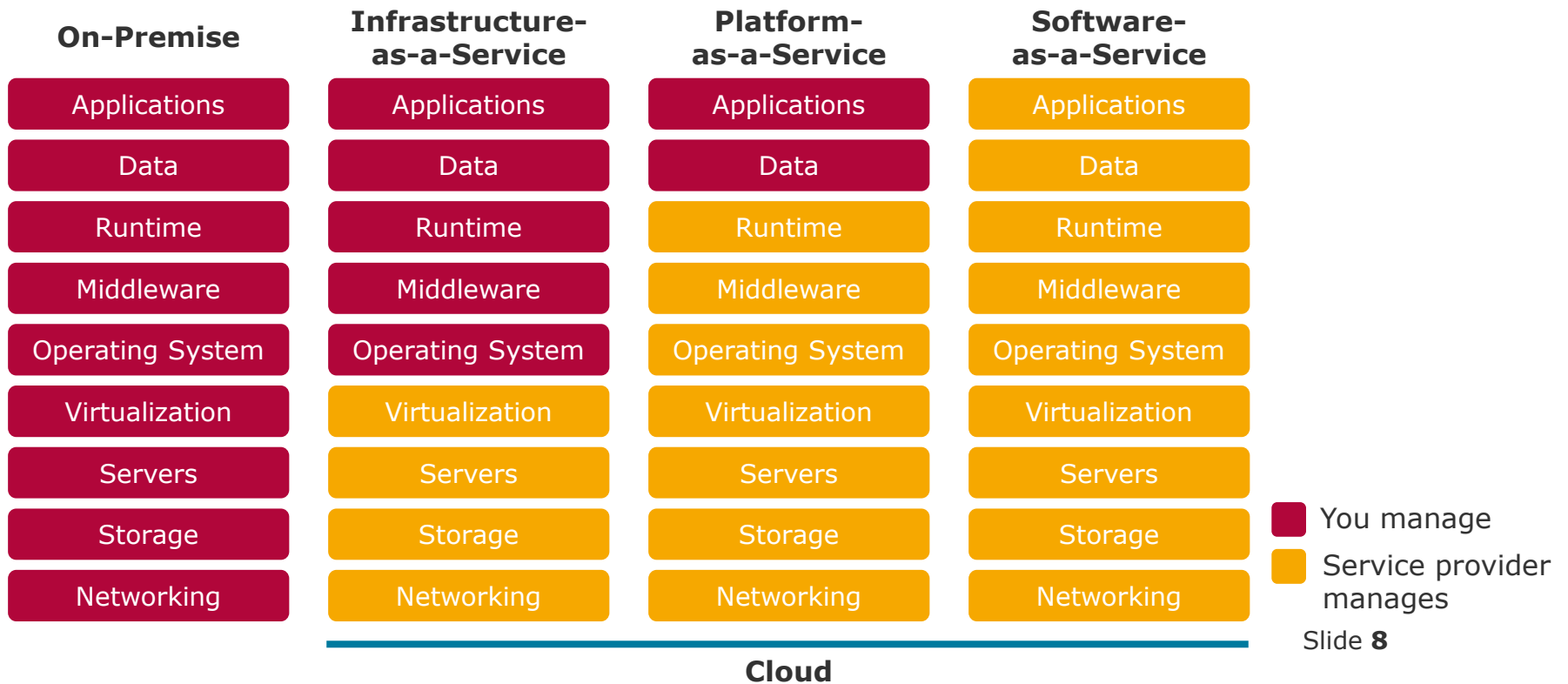


- Plattner & Leukert*: The In-Memory Revolution  
How SAP HANA Enables Business of the Future

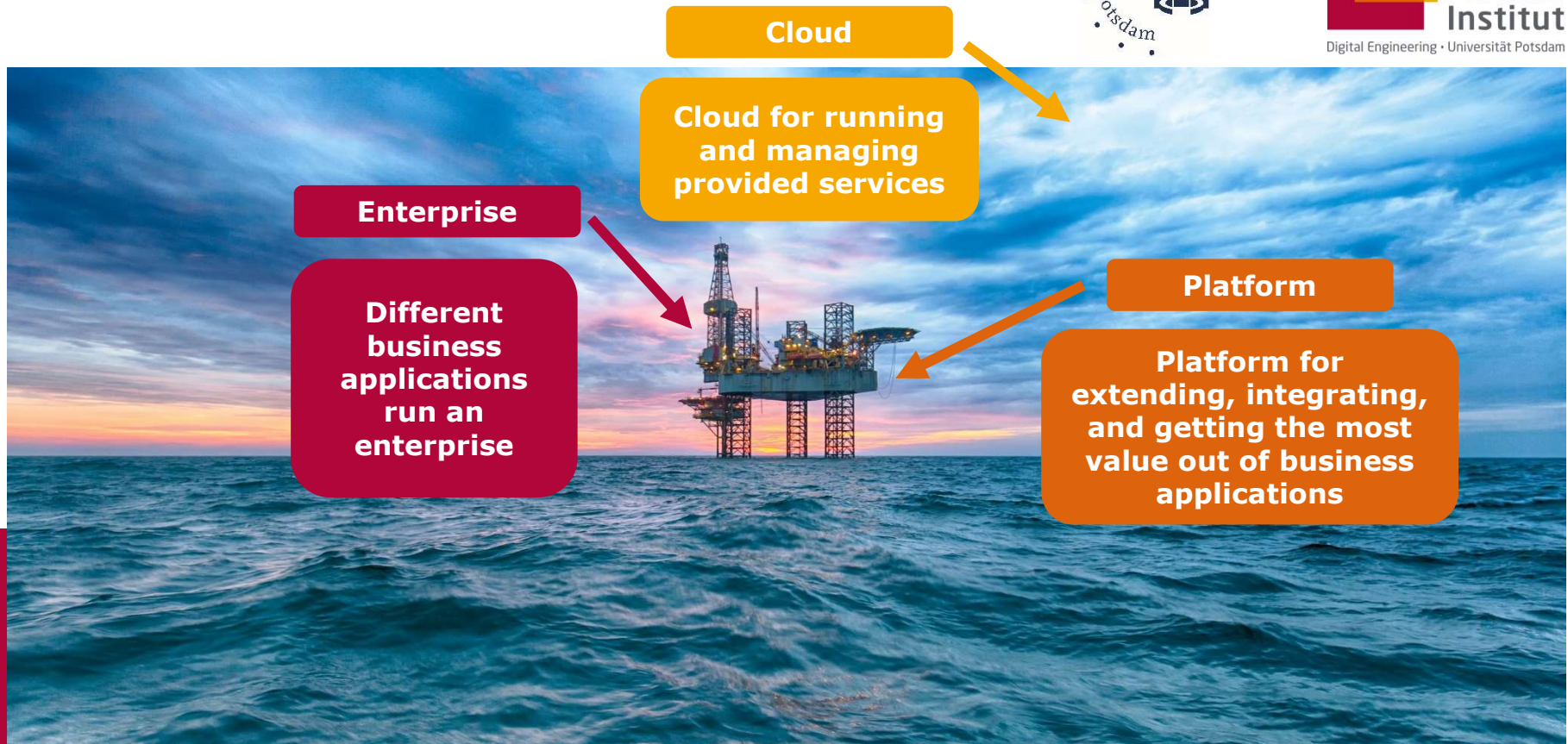


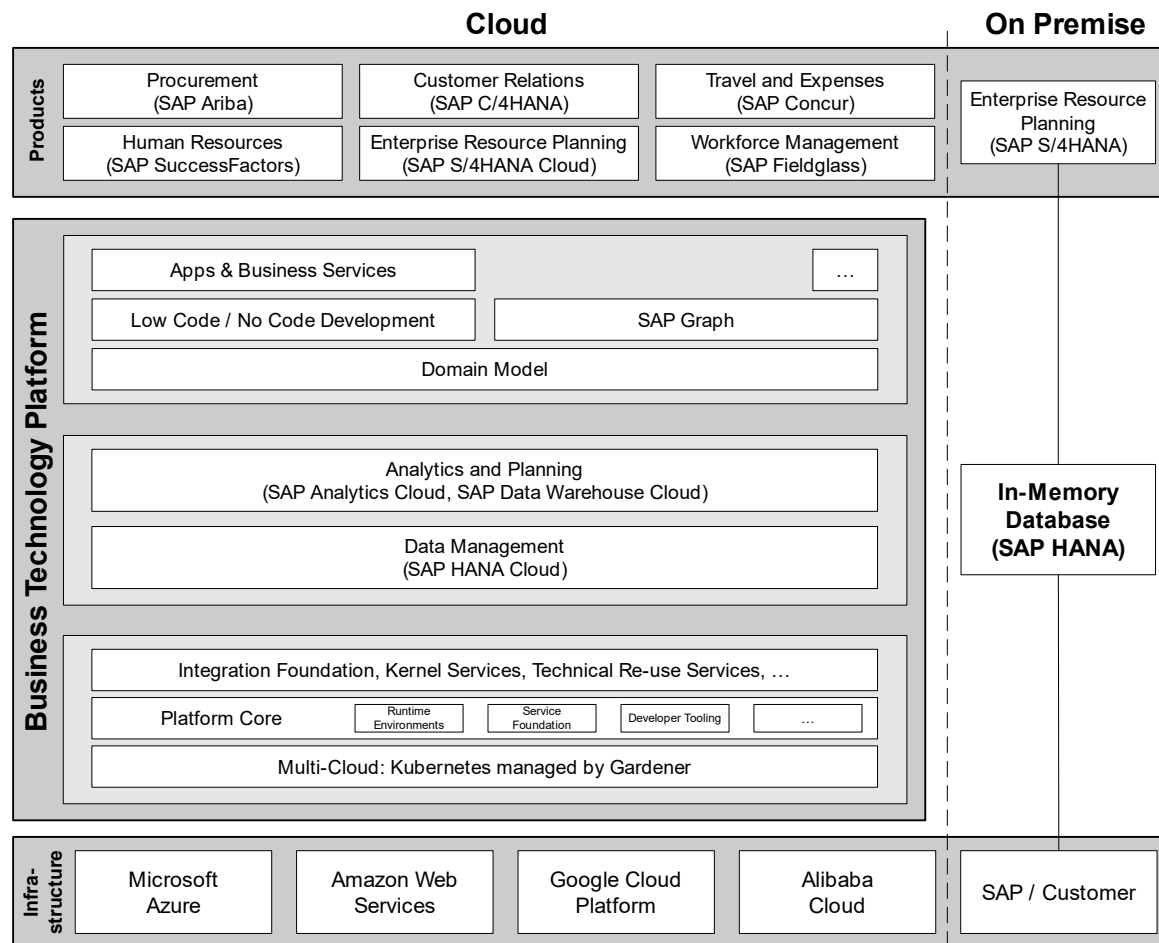
# Trends and Concepts in the Software Industry II

## Recap











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# Trends and Concepts in the Software Industry II

Goals and Learning Experience

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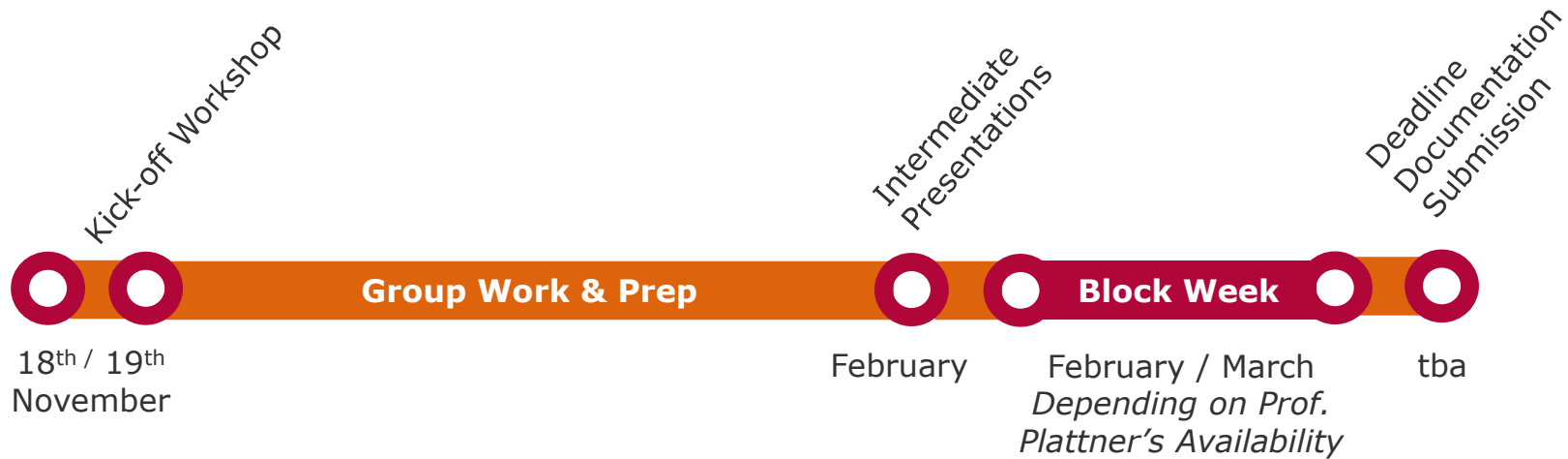


Participants will

- Learn about **fundamental principles** behind enterprise cloud platforms
- Become familiar with real businesses and **how a cloud offering can transform their use cases**
  - Understand the need for customer-side development on cloud-based enterprise applications
  - **Requirements analysis, problem-solving, and consultancy** (for your customer and SAP)
- Improve teamwork, self-organization, presentation and **pitch skills to Executives**

# Course Overview

## Schedule



## Contacts

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