

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Accelerate Enterprise Integrations with SAP Integration Suite

Instructors: Finny Babu, Shilpa Vij, Udo Paltzer, Axel Albrecht, Gabriela Gahse, Marco Ertel

This four-week online course was held from July 14 through August 19, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introduction
- Expand Your Skills
- Dive Deeper
- Broaden Your Horizon

Walldorf, Germany, August 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Business Technology Platform in a Nutshell

Instructors: Florian Kunzke, Ralf Ackermann, Roosli Mägi,
Diana Roesner

This course was held from July 7 through August 5, 2021, and comprised 3 hours of learning effort.

The course provided an introduction to SAP Business Technology Platform, including integration, data to value, and extensibility of data and processes.

Walldorf, Germany, August 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has successfully completed the following openSAP curriculum:

SAP Fieldglass Introduction Track

This track was held in 2021 and required the successful completion of two openSAP courses:

- This Is SAP Fieldglass
- Getting Started with SAP Fieldglass

The SAP Fieldglass Introduction certificate proves that the learner has understood the basics of procuring both contingent and services workers in SAP Fieldglass, as well as how to use the analytics and integrations functions.



Michaela Laemmler
Head of openSAP



Caitlin Nies
Head of Product Learning,
Spend Management,
SAP Fieldglass

SAP Fieldglass 

openSAP
open.sap.com

Walldorf, Germany, August 4, 2021



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openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Getting Started with Data Science (Edition 2021)

Instructor: Stuart Clarke

This six-week online course was held from June 15 through August 4, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Business and Data Understanding
- Data Preparation
- Modeling (1)
- Modeling (2)
- Evaluating Model Performance
- Deployment and Maintenance

Walldorf, Germany, August 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

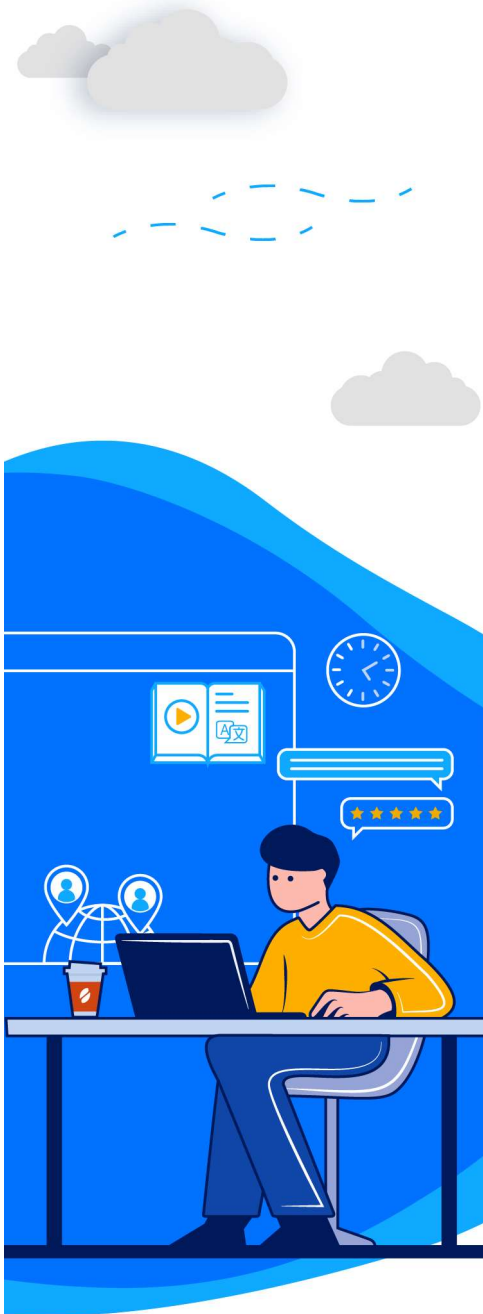
E-mail: roedle@gmx.net

has successfully participated in the openSAP Summer School and is now part of:

openSAP Summer School Class of 2021

The overall summer school offering comprised:

- fifteen unlocked courses
- a special summer school podcast playlist
- three microlearning playlists on SAP S/4HANA, SAP Customer Experience, and more



Michaela Laemmler
Head of openSAP



Annika Link
openSAP Communications Lead

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, August 4, 2021



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Joerg Roedle

E-mail: roedle@gmx.net

has successfully completed the following openSAP course:

Guide Your SAP S/4HANA Project to Success

Featuring experts from the SAP S/4HANA Regional Implementation Group

This course was held June 16 through July 22, 2021 and comprised 4-5 hours of learning effort.

The course provided answers to commonly asked questions from customers during implementation projects when moving from SAP ERP to SAP S/4HANA and a basic understanding of the key topics when planning your journey to SAP S/4HANA and the importance of the new innovations.

Walldorf, Germany, July 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Accelerate Cloud Implementations with SAP Cloud ALM

Instructors: Michael Klöffler, Jagmohan S Chawla, Moritz Gysler, Wulff-Heinrich Knapp, Nicolas Alech, Karl Benson

This four-week online course was held from June 15 through July 21, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- SAP Cloud ALM Project Delivery
- Tasks and Business Processes
- Requirements and Testing
- Additional Capabilities and Outlook

Walldorf, Germany, July 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

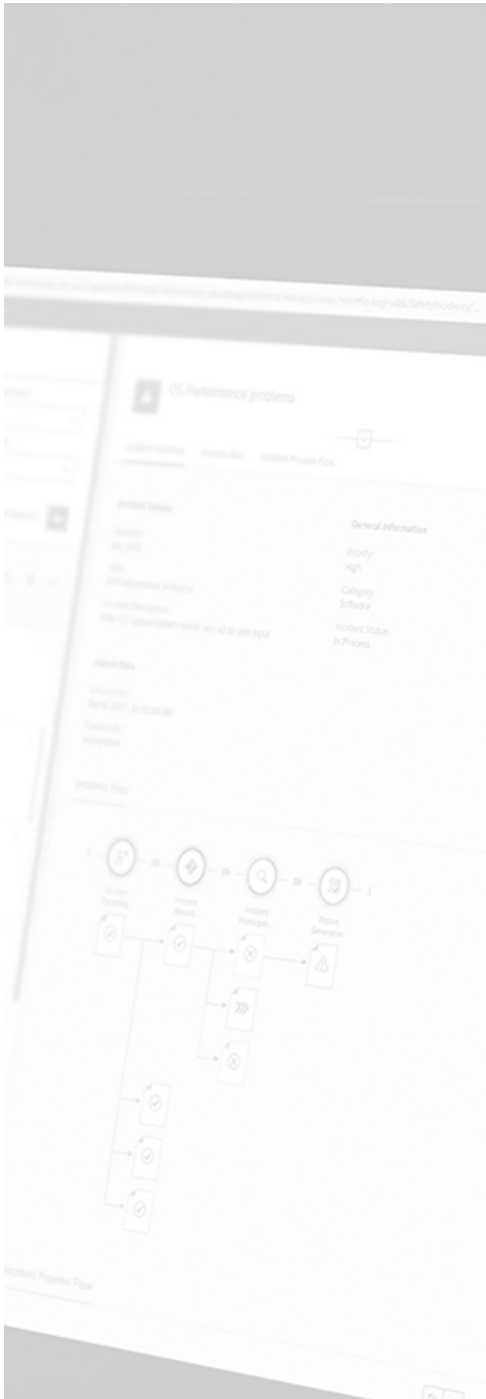
Developing and Extending SAP Fiori Elements Apps

SAP Fiori Experts

This four-week online course was held from June 8 through July 14, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introducing SAP Fiori Elements
- Building Your First SAP Fiori Elements App
- Using More SAP Fiori Elements Capabilities
- Extending a Standard SAP Fiori App



openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, July 2021

Confirmation of Participation

Thought Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

Understanding Your Customer's Journey

Instructor: Jeannie Walters

This Thought Leaders course was held from June 2 through July 1, 2021, and comprised 2-3 hours of learning effort.

The course provided you with a toolkit of techniques to better understand your customer's journey, from awareness through advocacy. It explained how to explore how customers experience your brand, and how to turn this understanding into actions that improve the customer experience and your business outcomes.

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, July 2021





Joerg Roedle

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has completed the MicroCredential:

Co-Innovation Masterclass (6 ECTS equivalents)

June 28, 2021



FH JOANNEUM
University of Applied Sciences

Christian Friedl



Adele Yaroulina

beta.i

Alisson Avila



Thomas Neumann



Thomas Staubitz



Timo Pekka-Uotila



Agnieszka Zur



Record of Achievement

The course covered and provided competences related to the following areas:

Identifying and clearly defining a problem or a challenge within a given topic
Designing an effective approach to co-innovation leveraging the benefits of corporate-startup collaboration
Defining, mapping and managing a joint solution development process
Organizing the co-innovative process and applying appropriate related tools and techniques, with a focus on the Co-Innovation Builder
Working collaboratively with professionals and experts from corporations, startups and universities in a multinational, virtual team environment
Preparing and delivering an investor pitch of a solution to the identified problem

Total Result: 91.0 out of 100.0 possible points (91.0%)
Is part of the top 10% active course participants.

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Co-funded by the
Erasmus+ Programme
of the European Union

The course has been developed under the umbrella of the project „Corship - Knowledge Alliance to boost collaboration between Startups, Corporates and Universities with Innovative Training.“ (600899-EPP-1-2018-1-AT-EPPKA2-KA). The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Implementing SAP S/4HANA Cloud with SAP Central Business Configuration

Featuring experts from the SAP Central Business Configuration – Project Experience Team

This course was held from May 5 through June 24, 2021 and comprised 4-6 hours of learning effort.

The course presents the capabilities of SAP Central Business Configuration, including the customer value it brings, the key features it includes, and how it supports the implementation of SAP S/4HANA Cloud.

Walldorf, Germany, June 2021



Joerg Roedle

roedle@gmx.net

Learning @ Scale 2021 & EMOOCs 2021

Hasso Plattner Institute for Digital Engineering
ACM - Association for Computing Machinery

Duration: June 22, 2021 - June 24, 2021

This is to confirm the participation at the conference.

Conference Description:

All learning institutions have been forced to transform and redesign their learning methods, moving from traditional models to hybrid or complete online models at scale. This has shown clearly and rapidly, what already works in online education and what still has ways to go. The learnings derived from praxis and research was explored in a double conference within inspiring keynotes and interactive seminars, in order to shape the future of digital learning and set the standards for our new normal.

The seventh European MOOCs Stakeholder Summit (EMOOCs 2021) and Learning at Scale 2021 (L@S 2021) took place online.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Environment, Health, and Safety for Operational Sustainability

Instructors: Christian Polivka, Wolfgang Bock, Mike Censurato, Hitesh Patel, Matt Herzog

This four-week online course was held from May 19 through June 24, 2021. It comprised 2-3 hours of learning effort per week.

The course covered the following topics:

- Environment, Health, and Safety Overview
- Worker Safety
- Safe Operations
- Environment Management

Walldorf, Germany, June 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

Datenschutz für Einsteigerinnen und Einsteiger

Kursleitung: Dr. Ina Haarhoff

Laufzeit: 26.05.2021 - 23.06.2021

Sprache: Deutsch

Lehrform: Online-Kurs

Kursthemen:

- Einführung und Grundsätze des Datenschutzes, Betroffenenrechte
- Umgang mit Beschäftigtendaten und Kundendaten
- Technische und organisatorische Maßnahmen (TOM)
- Auftragsverarbeitungsvereinbarungen (AV-Vereinbarungen)
- Datenschutzfolgenabschätzung, Datenschutzmanagementsystem
- Verhalten bei Datenpannen

Potsdam, 19. Juni 2021

openHPI ist die Internet-Bildungsplattform des Hasso-Plattner-Instituts (HPI) für Digital Engineering. Das Hasso-Plattner-Institut bildet gemeinsam mit der Universität Potsdam die Digital Engineering Fakultät der Universität Potsdam. Im Mittelpunkt der universitären Lehre stehen diverse praxisnahe und ingenieurwissenschaftlich orientierte Studiengänge.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Efficient DevOps with SAP

Featuring experts from a cross-functional team from different areas inside SAP

This five-week online course was held from April 19 through June 1, 2021. It comprised 4-5 hours of learning effort per week.

The course covered the following topics:

- Introduction to DevOps
- CI/CD with ABAP (On-Premise)
- Delivery of Cloud Applications
- Hybrid Change and Test Management
- Operation of Your Solution and Summary

Walldorf, Germany, June 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Spartacus B2B Commerce Organization

Instructor: Bill Marcotte

This course was held from April 27 through May 26, 2021, and comprised 3-4 hours of learning effort.

The course provided an introduction on how the B2B Commerce Organization feature in SAP Commerce Cloud is presented in a Spartacus-based storefront.

Walldorf, Germany, May 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

CMS in “Spartacus”

Instructor: Louis Pierrestiger, Mateusz Ostafil, Krzysztof Platis,
Saad Mohiuddin

This course was held from April 27 through May 26, 2021, and comprised 4-5 hours of learning effort.

The course provided an introduction on how Spartacus leverages the SAP Commerce Cloud CMS.

Walldorf, Germany, May 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Confirmation of Participation

Joerg Roedle

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clean-IT: Towards Sustainable Digital Technologies

Course Description:

The course clean-IT: Towards Sustainable Digital Technologies deals with the pressing issue of the impact of digitization on climate change and how to deliver sustainable digital technologies.

Experts from various organizations share their ideas about how to make digital technologies more sustainable in the various branches of digitization.

Course Topics:

- Digitalization and Climate
- Energy-efficient Algorithms and Databases
- Energy-efficient Data Centers
- Clean AI

openHPI is the education platform of the Hasso Plattner Institute (HPI) for Digital Engineering. Together with the University of Potsdam, the Hasso Plattner Institute forms the Digital Engineering Faculty of the University of Potsdam. The university's teaching focuses on a variety of practical and engineering-oriented study programs.

Potsdam, May 24, 2021

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:


Exploring the World of AI

Instructors: Stefan Seegerer, Tilman Michaeli

This three-week online course was held from April 20 through May 19, 2021. It comprised 3 hours of learning effort per week.

The course covered the following topics:

- The World of AI
- More About How Machines Learn
- The (Smaller and the) Bigger Picture



openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, May 2021

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Discover SAP S/4HANA Movement

Instructors: SAP One Movement Team and other experts

This three-week online course was held from April 20 through May 19, 2021. It comprised 4-6 hours of learning effort per week.

The course covered the following topics:

- Align on Vision and Strategy
- Build the Case
- The Path Forward and Business Value

Walldorf, Germany, May 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Introducing SAP Fieldglass Assignment Management

Instructors: Nicole Scotland-Hall, McKenzie Sewell

This course was held from April 20 through May 19, 2021, and comprised 2-3 hours of learning effort.

The course provided the basic knowledge needed to understand assignment management, and showed how the functionality can be used by SAP Fieldglass customers to deliver their external workforce program goals.

Walldorf, Germany, May 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

hat an dem folgenden openSAP Kurs teilgenommen:

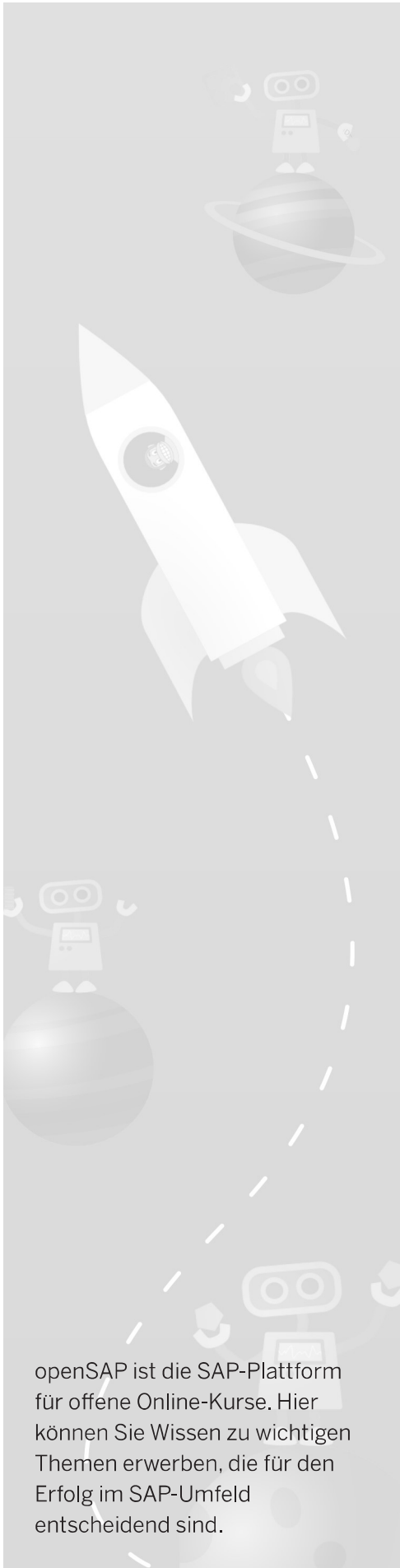
Die Welt der KI entdecken

Dozenten: Stefan Seegerer, Tilman Michaeli

Dieser dreiwöchige Kurs lief vom 20. April bis 19. Mai 2021. Er beinhaltet 3 Stunden Lernaufwand pro Woche.

Der Kurs deckt folgende Inhalte ab:

- Die Welt der KI
- Mehr darüber wie Maschinen lernen
- Das kleinere (und das größere) Bild



openSAP ist die SAP-Plattform für offene Online-Kurse. Hier können Sie Wissen zu wichtigen Themen erwerben, die für den Erfolg im SAP-Umfeld entscheidend sind.

Walldorf, Deutschland, Mai 2021

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Getting Started with SAP Fieldglass

Instructors: Caitlin Nies, Mykie Hardy, Daniela Malveiro,
Susannah Leong, McKenzie Sewell,
Nicole Scotland-Hall

This four-week online course was held from April 12 through May 18, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Contingent Workforce Transactions
- Services Transactions
- Analytics
- Introduction to Integrations

Walldorf, Germany, May 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Confirmation of Participation

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Fundamentals of Red Hat Enterprise Linux for SAP Solutions

Instructor: Chris Caillouet

This three-week online course was held from April 13 through May 12, 2021. It comprised 2-3 hours of learning effort per week.

The course covered the following topics:

- Running Linux Commands
- Users, Files, and Permissions
- Networking, Software, and Storage

Walldorf, Germany, May 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.



Red Hat

hosted by

openSAP

open.sap.com

Confirmation of Participation

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Digital Entrepreneurship

by Prof. Katharina Hölzle, Dr. Robert Rose, Valeska Maul, and Nina Bachmann

The 4-week course covered the following topics:

- Scientific principles of Digital Entrepreneurship (DE) research
- A process- and mindset-based understanding of the DE journey
- A systematic view on teamwork and biases in DE collaboration
- A macro-level perspective on DE value contributions
- A topical and diverse contextualization of DE practice

The participant qualified for this confirmation by accessing more than 50% of all learning material.



EFN Aufkleber des Teilnehmers
(falls vorhanden)

Teilnahmebescheinigung

Herr / Frau

Joerg Roedle

hat teilgenommen an der anerkannten Fortbildungsveranstaltung

Rationaler Einsatz von Antibiotika in der Arztpraxis RAI- Projekt Hessen

Eröffnungsdatum: 21.10.2020



VNR: 2760602020253340001
Kategorie: D

Erworbene Fortbildungspunkte

für vollständige Teilnahme

für Referententätigkeit

11 Punkt(e)

falls nicht zutreffend bitte Punkte
streichen, z.B. wenn nur als Referent
aufgetreten

Frankfurt am Main, 30. April 2021
(Ort, Datum)

Prof. Dr. med. Ursel Heudorf, Ltd. Med.-
Dir. i.R.
Wissenschaftlicher Leiter/in



Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP on Hyperscalers – Strategy, Architecture and Deployment

Instructors: Surajit Pramanick, Ornulf Kittelsen,
Yashith Hospet Manjunath

This course was held from March 30 through April 28, 2021, and comprised 2-3 hours of learning effort.

The course provided an overview of what it takes to migrate or convert SAP on-premise solutions to run on a Hyperscaler platform.

Walldorf, Germany, April 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Confirmation of Participation

Partner Course

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Say Goodbye to Downtime with SUSE Linux Enterprise Server

Instructor: Richard Mayne

This five week online course was held from March 9 through April 21, 2021. It comprised 4-6 hours of learning effort per week.

The course covered the following topics:

- Prepare to Deploy the High Availability Extension
- Deploy and Manage a Cluster
- Create Cluster Resources
- Cluster Constraints and Storage
- Shared Storage and Access Control Lists

Walldorf, Germany, April 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.



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Confirmation of Participation

Blockchain - Revealing the Myth

Course Duration:	17.03.2021 - 31.03.2021
Course Language:	English
Estimated Effort:	3 - 6 Weekly Hours
Course Guidance:	Prof. Dr. Meinel Tatiana Gayvoronskaya

By accessing at least 50% of the learning materials, the participant has met the requirements for receiving this certificate. An examination performance was not required.

Course Topics:

- The initial idea of blockchain technology
- The complex solution of Bitcoin system
- Post-Bitcoin projects and Ethereum system
- Private Permissioned blockchains
- Scalability, Decentralization, Security
- Useful and possible implementations of blockchain Technology
- Widespread areas of application

Joerg Roedle

roedle@gmx.net

openHPI is the education platform of the Hasso Plattner Institute (HPI) for Digital Engineering. Together with the University of Potsdam, the Hasso Plattner Institute forms the Digital Engineering Faculty of the University of Potsdam. The university's teaching focuses on a variety of practical and engineering-oriented study programs.

Potsdam, March 27, 2021

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Enter Next-Level Bot Building with SAP Intelligent RPA 2.0

Featuring SAP Intelligent RPA Experts

This five-week online course was held from February 9 through March 24, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Get Started with SAP Intelligent RPA 2.0
- First Automations
- Build Your End-to-End Project
- Leverage a Rich Desktop Ecosystem
- Leverage Business Applications

Walldorf, Germany, March 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Integration Advisor Capability of SAP Integration Suite

Instructors: Gunther Stuhec, Annemarie Kiefer, Michelle Luft

This three-week online course was held from March 23 through April 21, 2021. It comprised 2-4 hours of learning effort per week.

The course covered the following topics:

- Introduction
- Main Pillars in Detail
- Build an End-to-End Scenario

Walldorf, Germany, April 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Integration Solution Advisory Methodology

Instructors: Katrin von Ahsen , Ivo Droesser

This four-week online course was held from February 15 through March 23, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Assess Your Integration Strategy
- Design Your Hybrid Integration Platform
- Define Integration Best Practices
- Enable a Practice of Empowerment

Walldorf, Germany, March 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Teilnahmebestätigung

Computeranatomie - ein Blick ins Innere deines Rechners

Reguläre Kurslaufzeit:	10.03.2021 - 31.03.2021
Kursprache:	Deutsch
Geschätzter Aufwand:	2 - 3 Wochenstunden

Kurskonzeption:

Das openHPI Student-Team für Computeranatomie besteht aus den Student:innen **Julia Joch, Tarik Alnawa und Henrik Guhl**. Der Kurs wurde im Rahmen eines Seminars am HPI entwickelt.

Durch den Zugriff auf mindestens 50% der Lernmaterialien hat der Teilnehmende die Voraussetzungen für den Erhalt dieser Bescheinigung erfüllt.
Eine Prüfungsleistung war nicht erforderlich.

Kursthemen:

- Aufbau eines Computers
- Kennenlernen der Hauptbestandteile eines Computers
- Funktionsweise der Hardwarekomponenten
- Zusammenspiel der verschiedenen Komponenten

Joerg Roedle

roedle@gmx.net

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Potsdam, 21. März 2021

Record of Achievement

Joerg Roedle

roedle@gmx.net

Cybersecurity Basics - Exam

Course Duration:	01.03.2021 - 31.03.2021
Course Language:	English
Exam Time:	2 Hours
Exams:	60 Questions Multiple Choice / Multiple Answers
Recommended Points:	2 ECTS
Course Guidance:	Prof. Dr. Christoph Meinel

Course Topics:

- Basics of cryptography
- Encryption and digital signatures
- Identity management
- Attacks on digital identities and passwords
- Different kinds of malware
- Protective measures against malware

Total Result:

87.7 out of 90.0 possible points (97.4%)

Is part of the top 5% active course participants



Prof. Dr. Christoph Meinel
openHPI Director



openHPI is the education platform of the Hasso Plattner Institute (HPI) for Digital Engineering. Together with the University of Potsdam, the Hasso Plattner Institute forms the Digital Engineering Faculty of the University of Potsdam. The university's teaching focuses on a variety of practical and engineering-oriented study programs.

Potsdam, March 5, 2021

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Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

An Enterprise Architect's View on SAP Business Technology Platform

Instructor: Holger Seubert

This three-week online course was held from February 2 through March 3, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introducing Enterprise Architecture
- How to Guide Innovation to Business
- Working with SAP BTP as an Architect

Walldorf, Germany, March 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:


The Business Opportunities of a Digitally Transformed Economy

Instructors: Sven Denecken, Bert O. Schulze, Corina Kinzel,
Marek Kowalkiewicz and Jan Waals

This course was held from January 26 through February 24, 2021, and comprised 3-5 hours of learning effort.

The course provided an overview of opportunities for companies to become more resilient, profitable, and sustainable in a digitally transformed economy.

Walldorf, Germany, February 2021



openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Confirmation of Participation

Joerg Roedle

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has participated in the following openHPI course:

Cyberthreats by Malware

by Prof. Dr. Christoph Meinel

The 2-week course covered the following topics:

- Internet as an attack target
- General differentiation of Malware
- Underlying reasons making Malware possible
- Human factors
- How does Malware spread?
- Different kinds of Malware - Ransomware, Keylogger, Adware & Scareware
- Protective measures against Malware

The participant qualified for this confirmation by accessing more than 80% of all learning material.

openHPI is the education platform of the Hasso Plattner Institute (HPI) for Digital Engineering. Together with the University of Potsdam, the Hasso Plattner Institute forms the Digital Engineering Faculty of the University of Potsdam. The university's teaching focuses on a variety of practical and engineering-oriented study programs.

Potsdam, February 20, 2021

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Business Success with Climate Action

Instructors: Thomas Saueressig, Bettina Zedlitz, Daniel Schmid,
Priti Prabhoo, Gunther Rothermel, Stephan Müller,
Stefan Hack

This three-week online course was held from January 19 through February 17, 2021. It comprised 2-3 hours of learning effort per week.

The course covered the following topics:

- Climate Action – The Challenge
- Climate 21 Initiative
- Product Carbon Footprint

Walldorf, Germany, February 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP's Integrated Intelligent Suite

Product experts from the SAP's Intelligent Suite Team

This four-week online course was held from January 11 through February 16, 2021. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introduction and High-Level Overview
- End-to-End Business Scenarios
- Suite Qualities
- Products and Best Practices

Walldorf, Germany, February 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

This Is SAP Fieldglass

SAP Fieldglass Experts

This course was held from January 18 through February 16, 2021, and comprised 2-3 hours of learning effort.

The course provided a solution overview of SAP's vendor management system that simplifies the process of procuring, managing, and optimizing flexible workforces.

Walldorf, Germany, February 2021

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Digital Identities

by Prof. Dr. Christoph Meinel

The 2-week course covered the following topics:

- Introduction and definition of Identities
- Types of Identity management
- Technologies, protocols, standards for Identity management
- Authentication of Identities
- Attacks on Identities
- Password security

The participant qualified for this confirmation by accessing more than 80% of all learning material.

openHPI is the education platform of the Hasso Plattner Institute (HPI) for Digital Engineering. Together with the University of Potsdam, the Hasso Plattner Institute forms the Digital Engineering Faculty of the University of Potsdam. The university's teaching focuses on a variety of practical and engineering-oriented study programs.

Potsdam, February 5, 2021

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Confidential Communication in the Internet

by Prof. Dr. Christoph Meinel

The 2-week course covered the following topics:

- Security goals on the Internet
- Basics of symmetric and asymmetric cryptography
- Advantages and disadvantages of symmetric and asymmetric encryption techniques
- Hybrid encryption
- Cryptoprotocols for signature and encryption
- Possible attacks on these crypto protocols
- Trust models and Public Key infrastructures (PKIs)
- Digital certificates

The participant qualified for this confirmation by accessing more than 50% of all learning material.

Potsdam, January 21, 2021