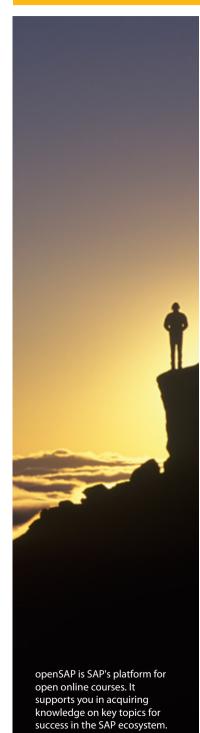


Record of Achievement



Helmut Tammen

Date of birth: April 21, 1964

e-mail: h.tammen@tammen-it-solutions.de

has successfully completed the following openSAP course:
Introduction to Software Development
on SAP HANA

Instructor: Thomas Jung

This six-week online course covered the following topics:

- Developing Applications for SAP HANA
- Database Tasks, Loading, and Modeling
- SQLScript Basics
- Exposing and Consuming Data with OData
- Exposing and Consuming Data with Server-Side JavaScript
- SAP HANA Advanced Development Options

Maximum score possible for this course: 300 points.

The candidate scored 278.7 points (92.9 %) by working on weekly assignments and taking a final exam.

And he

Dr. Bernd Welz
Executive Vice President
SAP Solution and Knowledge Packaging

Walldorf, December 2013

Thomas lung

Thomas Jung Instructor