SAP HANA 2.0 SPS06 - Application Development for SAP HANA

Course code: HA450

In this course, you will learn how to develop SAP HANA Native software applications running on the SAP HANA Platform.

Who is the course for

- Developer
- Development Consultant

What we teach you

This course will prepare you to:

- Develop SAP HANA native software applications running on the SAP HANA Platform.
- Learn about the development tools and development languages used to realize the different parts of a software application in SAP HANA:
- The persistency layer based on Core Data Services
- The client-server communication services based on Node.js and XSODATA
- The user interface based on SAPUI5
- Code simple, but fully functional SAP HANA Software Applications.

Required skills

Essential

- HTTP (an application-level protocol)
- HTML (a standard markup language for Web pages)
- JavaScript (a programming language of HTML and the Web)
- Node.js (an open source server environment)
- Express.js (a minimal and flexible Node.js web application framework)
- SQL

Course outline

- Develop native applications on the SAP HANA extended application services
- Similarities between the SAP HANA extended application services and Cloud Foundry application development model
- Create multi-target applications and debug a simple Node.js application
- Persistence via core data services and analytical data model via calculation views
- Create and debug SQLScript procedures and access remote data from your application
- Access the database from the Node.js application and expose data as OData services
- Create the application front-end using HTML5 and integrate front-end and back-end using the router
- Define the application security roles and create basic user interfaces based on SAPUI5
- Create a basic application using the SAP Cloud Application Programming Model

What you need to know

- This course is a 'starting point'. Some significant contents are just introduced briefly and can be deepened in the follow-up courses below: - The development of the SAP UI5 user interface is covered in UX400 - The use of SQLScript is covered in HA150 - The use of Calculation Views is covered in HA300 - The use of Flowgraphs and Replication objects are covered in HA550.

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