GW100: SAP Gateway – Building OData Services

Course Outline

Course announcements

This course shows all parts of SAP Gateway, which are available since SAP NetWeaver AS 7.0 (SAP Gateway 2.0), as well as parts added up to SAP S/4HANA 1809. The whole bandwidth of SAP Gateway covering all releases is shown.

Course Duration

5 Days

Delivery Format

Classroom, Virtual Live Classroom, Hybrid

Course Fee

Contact us for more details

Goals

This course will prepare you to:

- Explore SAP Gateway architecture and deployment options
- Perform OData queries and operations with SAP Gateway
- Define data model and implement CRUD operations
- Extend SAP Gateway services and build new ones with CDS Views
- Configure routing and multiple origin support
- Implement advanced OData operations and introduce OData V4
- Handle security and consume OData services using SAP Web IDE

Audience

- Developers
- Consultants

Content

- SAP Gateway Overview
- OData Overview
  - OData Operations and Queries
  - Consuming OData using SAP Web IDE
- SAP Gateway Service Implementation
  - Defining a Data Model
  - Implementing Read and Change Operations
- SAP Gateway Service Generation
  - RFC/BOR Generator
  - Search Help Generator
- SAP Gateway Service Redefinition
  - Redefining a Data Service
  - Redefining a Gateway Service
- SAP Gateway and CDS Views
  - SAP Fiori Programming Model
  - Data Source Reference and CDS View Annotations
- SAP Gateway Hub Functionalities
  - Routing Configuration
  - Multiple Origin Composition
- Advanced OData Options
  - Function Imports and Media Links
  - Expand Operations and Deep Insert Operations
  - Handling ETags and Batch Requests
  - Offline Support and Server-Side Caching
- SAP Gateway Security
- SAP Gateway OData V4 Support