

SAP Gateway – Building OData Services

Course code: GW100

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 2020. The whole bandwidth of SAP Gateway covering all releases is shown. Course based on software release: SAP S/4HANA 2020, ABAP Platform 2020, AS ABAP 7.55.

Who is the course for

- Consultant
- Developer

What we teach you

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
- Generate new SAP Gateway services and extend existing ones
- Build and publish SAP Gateway services based on CDS Views
- Configure routing and multiple origin support
- Implement advanced OData operations and handle security

Required skills

Essential

- BC401 (ABAP Objects)

Recommended

- High-level understanding of web-based communication (e.g. HTTP)

Course outline

- SAP Gateway and OData Overview
- OData Operations and Queries
- OData Consumption using SAPUI5
- SAP Gateway Service Implementation
- Data Model Definition
- Implementation of CRUD Operations
- SAP Gateway Service Generation
- RFC/BOR Generator
- Search Help Generator
- SAP Gateway Service Redefinition
- Data Service Redefinition
- SAP Gateway Service Extension
- SAP Gateway and CDS Views
- ABAP Programming Models
- CDS View Mapping and Data Source Reference
- CDS View Annotations and Business Services
- SAP Gateway Hub Functionalities
- Routing Configuration
- Multiple Origin Composition
- Advanced OData Options
- Function Imports and Media Links
- Expand and Deep Insert Operations

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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- Handling ETags and Batch Requests
- Offline Support and Server-Side Caching
- SAP Gateway Security

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
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GOPAS Brno

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Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
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Tel.: +421 248 282 701-2
info@gopas.sk



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