

# 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.

Affiliate	Duration	Course price	ITB
Praha	5	66 125 Kč	0

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
04.11.2024	5	66 125 Kč	Online	EN	Partner online live

The prices are without VAT.

## 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

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# SAP Gateway – Building OData Services

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

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