

SAP Data Modelling in ABAP Dictionary and ABAP Core Data Services

Duration: 4 Days **Course Code: S4D430** **Delivery Method: Virtual Learning**

Overview:

This course extends the skills that you acquired in the Basic and Intermediate ABAP programming courses with the ability to analyze and define data models.

You will define database tables in the ABAP dictionary, and views in ABAP core data services (CDS). You will model relations, add SQL logic, and enrich your views with metadata.

In the end, you will protect your data against unauthorized read access and learn how to extend foreign data models.

The course is held on SAP BTP, ABAP environment. However, the content is equally suitable for SAP S/4HANA Cloud, ABAP Environment and SAP S/4HANA 2020 or later.

Upd 17/9/2025

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Target Audience:

Developer/Development Consultant

Objectives:

- This course will prepare you to:
- Define view entities in ABAP core data services
- Define database tables in the ABAP dictionary

Prerequisites:

- S4D400 - Basic ABAP Programming
- S4D401 - Intermediate ABAP Programming
- BC400 - ABAP Workbench Foundations

Content:

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|----------------------------|---|---|
| ■ Data modeling in ABAP | ■ Defining CDS views | ■ Defining meta objects for ABAP dictionary |
| ■ Creating database tables | ■ Defining relationships and associations | objects and CDS views |
| ■ Defining global types | between objects | |
| | ■ Using code pushdown in CDS views | |

Additional Information:

Official course book provided to participants Course based on software release:

SAP BTP, ABAP Environment equally suitable for

SAP S/4HANA Cloud, ABAP Environment

SAP S/4HANA 2020 or later

Further Information:

For More information, or to book your course, please call us on 030 - 60 89 444

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