

## SAP Data Modelling in ABAP Dictionary and ABAP Core Data Services

**Duration: 4 Days**    **Course Code: S4D430**    **Delivery Method: Company Event**

### 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*

### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

### 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:

- Data modeling in ABAP
- Creating database tables
- Defining global types
- Defining CDS views
- Defining relationships and associations between objects
- Using code pushdown in CDS views
- Defining meta objects for ABAP dictionary objects and 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 Head Office 01189 123456 / Northern Office 0113 242 5931

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