

SAP ABAP OO - OData Services - CDS View Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The SAP ABAP OO – OData Services – CDS View Training by Multisoft Systems is designed to equip professionals with modern SAP development skills required in SAP S/4HANA environments. This comprehensive program focuses on Object-Oriented ABAP (OO ABAP), Core Data Services (CDS) Views, and OData Services—key technologies driving advanced SAP applications and SAP Fiori implementations. The course begins with a strong foundation in ABAP Objects, covering classes, interfaces, inheritance, polymorphism, events, and exception handling.

ABAP Basics & OO Concepts

- ✓ Introduction & ABAP Basics
- ✓ Reports & Function Modules
- ✓ Debugging Techniques
- ✓ Debugging, Tracing & Performance Analysis
- ✓ Enhancement Spots, BADIs & OOP Model
- ✓ Fundamental Object-Oriented Syntax: Classes & Objects
- ✓ Methods, Attributes & Constructors
- ✓ Inheritance, Upcast/Downcast
- ✓ Polymorphism & Interfaces
- ✓ Global Classes & Interfaces
- ✓ Events, Exceptions & Advanced Exception Handling
- ✓ Eclipse-based ABAP Development
- ✓ Unit Testing with ABAP Unit, Singleton, Factory Pattern
- ✓ Persistent Objects & ALV with OOPs

OData & Gateway Services

- ✓ SAP Gateway Overview
- ✓ OData Overview
- ✓ Implementing Gateway Services & Read Operations
- ✓ Query & Navigation Operations
- ✓ SAP Fiori Programming Model
- ✓ Publishing Gateway Services via CDS Annotations
- ✓ Function Imports, Expand, Deep Insert & ETag
- ✓ Media Links, User Management & Authentication
- ✓ Batch Processing
- ✓ Consuming OData Services in WebIDE & OData V4 services

CDS View Development

- ✓ Introduction to CDS Views
- ✓ Basic SQL Features in CDS Views
- ✓ Advanced SQL Features
- ✓ Nested Views & Built-in SQL Functions
- ✓ Aggregations in CDS Views
- ✓ CDS Views with Input Parameters
- ✓ CDS Views with Associations
- ✓ Enhancing CDS Views
- ✓ CDS Table Functions & Authorization Rules
- ✓ Using CDS Views as Proxy Objects
- ✓ Consuming CDS Views in SAP Fiori