

# SAP Datasphere Modeling 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

SAP Datasphere Modeling Training by Multisoft Systems is designed to help data professionals build a strong foundation in modern, cloud-based data modeling and analytics. This training focuses on enabling learners to design, manage, and optimize semantic data models that support accurate, trusted, and scalable business analytics across the enterprise.

## Module 1: Introduction to SAP Datasphere

- ✓ Overview of SAP Datasphere and its role in modern analytics
- ✓ Evolution from SAP Data Warehouse Cloud to SAP Datasphere
- ✓ Key concepts: Business Data Fabric, semantics, and governance
- ✓ SAP Datasphere architecture and components
- ✓ Use cases and business benefits

## Module 2: SAP Datasphere Environment and Navigation

- ✓ SAP Datasphere tenant overview
- ✓ User interface and key tools
- ✓ Working with spaces and tenants
- ✓ Connections and system landscape
- ✓ Monitoring and administration basics

## Module 3: Spaces and Data Organization

- ✓ Understanding spaces and their purpose
- ✓ Creating and managing spaces
- ✓ Space-level data isolation and governance
- ✓ Assigning users, roles, and privileges
- ✓ Best practices for space design

## Module 4: Data Integration in SAP Datasphere

- ✓ Connecting SAP and non-SAP data sources
- ✓ Import vs live data connections
- ✓ Data replication and remote tables
- ✓ Data access and source system management
- ✓ Introduction to data provisioning strategies

## Module 5: Data Modeling Fundamentals

- ✓ Modeling concepts in SAP Datasphere
- ✓ Fact and dimension modeling approach
- ✓ Star schema and analytical modeling basics
- ✓ Business context preservation
- ✓ Reusable modeling strategies

## Module 6: Graphical Views

- ✓ Creating graphical views
- ✓ Joins, unions, and projections
- ✓ Calculated columns and transformations
- ✓ Filters and aggregations
- ✓ Best practices for graphical modeling

## Module 7: SQL Views

- ✓ Introduction to SQL-based modeling
- ✓ Creating SQL views in SAP Datasphere
- ✓ Writing optimized SQL queries
- ✓ Using parameters and variables
- ✓ Comparing graphical views vs SQL views

## Module 8: Semantic and Business Modeling

- ✓ Defining business semantics
- ✓ Measures, attributes, and hierarchies
- ✓ Time-dependent data handling
- ✓ Currency and unit conversions
- ✓ Semantic consistency across models

## Module 9: Analytical Models

- ✓ Creating analytical datasets
- ✓ Building analytical models for reporting
- ✓ Enabling models for analytics consumption
- ✓ Performance considerations for analytical models
- ✓ Model reuse across analytics tools

## Module 10: Data Flows and Transformations

- ✓ Introduction to data flows
- ✓ Designing ETL/ELT logic
- ✓ Transformations and data cleansing
- ✓ Scheduling and monitoring data flows
- ✓ Error handling and data quality basics

## Module 11: Security and Authorizations

- ✓ Role-based access control
- ✓ Object-level and space-level security
- ✓ Analytical privileges and data access control
- ✓ Managing users and permissions
- ✓ Best practices for secure modeling

## Module 12: Performance Optimization and Best Practices

- ✓ Modeling for high performance
- ✓ Data volume and partitioning strategies
- ✓ Optimization techniques for views and models
- ✓ Monitoring performance issues
- ✓ Governance and lifecycle management

## Module 13: Integration with SAP Analytics Cloud

- ✓ Connecting SAP Datasphere to SAC
- ✓ Live vs import connection scenarios
- ✓ Consuming models in SAC stories
- ✓ Best practices for end-user analytics
- ✓ End-to-end analytics flow