# Data Mesh with Dataplex Training

*COURSE CONTENT*

## 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 Data Mesh with Dataplex Training offered by Multisoft Systems is designed to equip professionals with the expertise needed to implement and manage a Data Mesh architecture using Google Cloud's Dataplex. This course delves into the principles of decentralized data ownership and architecture, ensuring participants understand how to effectively manage data as a product.

# Module 1: Introduction to Dataplex

- ✓ Modern data platforms and data-oriented design
- ✓ Pillars of data governance
- ✓ What is Dataplex?
- ✓ Dataplex capabilities
- ✓ Dataplex compared with other products on Google Cloud

# Module 2: Creating a Data Mesh on Dataplex

- ✓ What is a data mesh?
- ✓ Dataplex concepts
- ✓ Creating data lakes and zones
- ✓ Assets in Dataplex

# Module 3: Processing Data on Dataplex

- ✓ Processing data on Dataplex
- ✓ Data preparation tasks
- ✓ Ingestion jobs
- ✓ Dataflow and Spark tasks

# Module 4: Managing Data Security Through Dataplex

- ✓ IAM permissions and roles
- ✓ Securing your data lake
- ✓ Policy management
- ✓ Metadata security

# Module 5: Data Tagging and Data Catalog

- ✓ Introduction to Data Catalog
- ✓ Technical metadata vs. business metadata
- ✓ Tags and tag templates

- ✓ Entries and entry groups
- ✓ Data lineage

## Module 6: Data Quality and Profiling

- ✓ Data quality tasks and AutoDQ
- ✓ Reporting on data quality
- ✓ Data profiling

## Module 7: Dataplex Best Practices

- ✓ Best practices
- ✓ End-to-end demo