



DataMesh in Action: Principles and Implementation

CODICE
NOVDMIA

DURATA
1 Giorno

PREZZO
990,00€ (iva escl.)

LINGUA
Italiano - Inglese

MODALITÀ
Virtual Classroom

SCHEDULAZIONE

- A Richiesta

Day 1: Principles, Value, and Domain Strategy

Section 1: Fundamentals & Drivers

- ? Data Mesh 101: Definitions and the inflection point in data management
- ? Analyzing Drivers: Business, Organizational, and Domain-data drivers
- ? Comparison: Data Warehouse, Data Lake, and Data Mesh
- ? Socio-technical architecture: Conway's law and Team Topologies

Section 2: Value-Driven Development and Use Cases

- ? **Creating Value from Data:** Techniques to generate interest and consensus
- ? **Defining Value Statements:** Aligning mesh implementation with business goals
- ? **Book Case Study:** The "Snow-shoveling" business example
- ? **Applying Ownership via Use Cases:**
- ? Identifying domain-oriented datasets
- ? Setting boundaries for use-case-driven data products
- ? Moving from "Customer Engagements" scenarios to domain implementation

Section 3: Data as a Product

- ? Product Thinking Analysis: The Data Product Canvas
- ? Roles: Data Product Owner responsibilities vs. Agile Product Owner
- ? Fundamental Characteristics: FAIR (Findable, Accessible, Interoperable, Reusable)
- ? Data Contracts: Sharing agreements and Service Level Objectives (SLOs)

Day 2: Platform, Governance, and Practical Application

Section 4: The Self-Serve Data Platform

- ? Platform Thinking: "X as a Service" concepts
- ? GCP Architecture: Identifying platform components vs. data product components
- ? The Thinnest Viable Platform: Enabling autonomous teams



Section 5: Federated Computational Governance

- ? The "Sliders" of Governance: Balancing central vs. local control
- ? Computational Policies: Automating policy checks and security
- ? Governance Outcomes: Strategic, tactical, and implementation levels

Section 6: Hands-on Lab (Google Cloud Dataplex)

- ? **Lab Scenario:** "Customer Engagements" project for a development team
- ? **Data Organization:**
 - ? Create a Dataplex Lake and Regional Raw Zones (e.g., Raw Event Data)
 - ? Attach Cloud Storage buckets as regional assets
- ? **Governance Implementation:**
 - ? Create Aspect Types (e.g., Protected Raw Data Aspect)
 - ? Tag assets with enumerated fields (Y/N flags) for governance
- ? **Discovery:** Facilitating data security and discovery via the console

Prezzi e corsi potrebbero subire variazioni; si consiglia di verificare sul sito www.novanext.it/training.