



Digital Transformation and Innovation



Information Technology

# Strategic Data Service Management in Modern Enterprises

## Course Introduction

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In the era of digital transformation, enterprises are increasingly reliant on data services to drive innovation, efficiency, and competitive advantage. This 5-day course, offered by BOOST, focuses on the strategic management of data services within modern enterprises. Participants will learn how to design, implement, and optimize data service strategies that align with organizational goals. The course covers key concepts such as data governance, service architecture, and the integration of emerging technologies like AI and cloud computing. Through interactive sessions, case studies, and hands-on exercises, participants will gain the skills needed to lead data service initiatives effectively.

## Target Audience

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- IT managers and directors
- Data service architects and engineers
- Business leaders overseeing digital transformation
- Data governance and compliance officers

Professionals involved in enterprise data strategy

## Learning Objectives

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1. Understand the role of data services in modern enterprise strategy.
2. Learn how to design and implement data service architectures.
3. Develop skills in data governance, quality management, and compliance.
4. Explore the integration of emerging technologies (AI, IoT, cloud) into data services.
5. Gain insights into optimizing data service performance and scalability.

6. Create a strategic roadmap for data service management in their organizations.

## Course Outline

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### • 01 DAY ONE

#### **Introduction to Strategic Data Service Management**

- Welcome and introduction by BOOST
- The evolving role of data services in modern enterprises
- Key concepts: Data services, service-oriented architecture (SOA), and data ecosystems
- The strategic importance of data service management

### • 02 DAY TWO

#### **Designing Data Service Architectures**

- Principles of data service design and architecture
- Microservices vs. monolithic architectures
- Data integration and interoperability challenges
- Tools and platforms for data service implementation (e.g., APIs, ETL tools)
- BOOST Insight: Best practices for scalable and resilient data service design

### • 03 DAY THREE

#### **Data Governance and Quality Management**

- Introduction to data governance frameworks
- Ensuring data quality, consistency, and accuracy
- Compliance with data regulations (e.g., GDPR, CCPA)

Role of data stewards and governance committees

### • 04 DAY FOUR

#### **Emerging Technologies in Data Services**

- The role of AI and machine learning in data services
- Leveraging IoT for real-time data collection and analysis
- Cloud-based data services: Benefits and challenges
- Blockchain for data security and transparency

- Future trends in data service technologies
- **05 DAY FIVE**

### Optimizing and Scaling Data Services

- Strategies for optimizing data service performance
- Monitoring and managing data service health
- Scaling data services to meet growing enterprise demands
- Building a data-driven culture and fostering innovation
- Key metrics for measuring data service success

## Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 5, 2025	May 9, 2025	5 days	4250.00 \$	UAE - Dubai
Aug. 31, 2025	Sept. 4, 2025	5 days	2150.00 \$	Virtual - Online