

DP-201 Designing an Azure Data Solution Training

COURSE CONTENT

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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

DP-201: Designing an Azure Data Solution Training by Multisoft Systems is designed to provide in-depth knowledge and hands-on experience in architecting and designing advanced data solutions on Microsoft Azure.

Module 1: Data Platform Architecture Considerations

- ✓ Core Principles of Creating Architectures
- ✓ Design with Security in Mind
- ✓ Performance and Scalability
- ✓ Design for availability and recoverability
- ✓ Design for efficiency and operations
- ✓ Case Study

Module 2: Azure Batch Processing Reference Architectures

- ✓ Lambda architectures from a Batch Mode Perspective
- ✓ Design an Enterprise BI solution in Azure
- ✓ Automate enterprise BI solutions in Azure
- ✓ Architect an Enterprise-grade Conversational Bot in Azure

Module 3: Azure Real-Time Reference Architectures

- ✓ Describe Lambda architectures for a Real-Time Perspective
- ✓ Architect a stream processing pipeline with Azure Stream Analytics
- ✓ Design a stream processing pipeline with Azure Databricks
- ✓ Create an Azure IoT reference architecture

Module 4: Data Platform Security Design Considerations

- ✓ Defense in Depth Security Approach
- ✓ Identity Management
- ✓ Infrastructure Protection
- ✓ Encryption Usage
- ✓ Network Level Protection
- ✓ Application Security

Module 5: Designing for Resiliency and Scale

- ✓ Adjust Workload Capacity by Scaling
- ✓ Optimize Network Performance
- ✓ Design for Optimized Storage and Database Performance
- ✓ Identify Performance Bottlenecks
- ✓ Design a Highly Available Solution
- ✓ Incorporate Disaster Recovery into Architectures
- ✓ Design Backup and Restore strategies

Module 6: Design for Efficiency and Operations

- ✓ Maximizing the Efficiency of your Cloud Environment
- ✓ Use Monitoring and Analytics to Gain Operational Insights
- ✓ Use Automation to Reduce Effort and Error