

Microsoft Windows Azure 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

The Microsoft Windows Azure Training offered by Multisoft Systems is a specialized program designed to provide a comprehensive understanding of Microsoft Azure, a leading cloud computing platform. This course aims to equip learners with the necessary skills to manage and implement cloud services efficiently. Covering various aspects of Azure, including its architecture, services, and management tools, the training is tailored for IT professionals who aspire to excel in cloud computing.

Module 1: Development using the Microsoft Azure Platform

- ✓ Azure Services
- ✓ Management Portals

Module 2: Establishing a Development Environment using Azure Virtual Machines

- ✓ Constructing Azure Virtual Machines
- ✓ Azure Virtual Machine Workloads
- ✓ Migrating Azure Virtual Machine Instances

Module 3: Managing Infrastructure in Azure

- ✓ Azure Virtual Networks
- ✓ Highly Available Azure Virtual Machines
- ✓ Virtual Machine Configuration Management
- ✓ Customizing Azure Virtual Machine Networking

Module 4: Web Infrastructure in the Azure Platform

- ✓ Azure Web Sites
- ✓ Hosting Web Applications in Azure
- ✓ Configuring an Azure Web Site
- ✓ Publishing an Azure Web Site
- ✓ Monitoring an Azure Web Site

Module 5: Designing Cloud Applications for Resiliency

- ✓ Application Design Practices for Highly Available Applications
- ✓ Building High Performance Applications using ASP.NET

- ✓ Common Cloud Application Patterns
- ✓ Caching Application Data

Module 6: Processing Background Logic using Azure

- ✓ Understanding Cloud Services
- ✓ Cloud Service Web Roles
- ✓ Customizing Cloud Service Configurations
- ✓ Updating and Managing Azure Cloud Service Deployments
- ✓ Cloud Service Worker Roles
- ✓ Cloud Service Worker Role Processing
- ✓ Caching Data using Roles
- ✓ Analyzing Applications in Cloud Service Role Instances

Module 7: Storing Tabular Data in Azure

- ✓ Azure SQL Databases Overview
- ✓ Managing SQL Databases in Azure
- ✓ Using Azure SQL Databases with SQL Server Data Tools
- ✓ Migrating Data to Azure SQL Databases
- ✓ Replication and Recovery of Azure SQL Database Instances
- ✓ Azure Storage Overview
- ✓ Azure Storage Tables Overview
- ✓ Table Entity Transactions

Module 8: Storing Files and Media in Azure

- ✓ Azure Storage Blobs
- ✓ Controlling Access to Storage Blobs & Containers
- ✓ Monitoring Storage Blobs

- ✓ Configuring Azure Storage Accounts
- ✓ Azure Files
- ✓ Uploading and Migrating Storage Data

Module 9: Storing Data in Queues using Azure

- ✓ Queue Mechanisms in Azure
- ✓ Azure Storage Queues Overview
- ✓ Handling Storage Queue Messages
- ✓ Azure Service Bus
- ✓ Azure Service Bus Queues
- ✓ Azure Service Bus Relay
- ✓ Azure Service Bus Notification Hubs

Module 10: Automating Integration with Azure Resources

- ✓ Azure SDK Client Libraries
- ✓ Scripting Azure Service Management using PowerShell
- ✓ Azure REST Interface
- ✓ Azure Resource Manager

Module 11: Implementing Security in Web Applications using Azure

- ✓ Azure Active Directory
- ✓ Azure AD Directories
- ✓ Azure AD Access Control Service
- ✓ Azure AD Multi-Factor Authentication

Module 12: Deploying Web Applications to Azure

- ✓ Deployment Strategies for Web Applications
- ✓ Deploying Azure Web Sites
- ✓ Deploying Azure Cloud Services
- ✓ Continuous Integration
- ✓ Monitoring Cloud Applications