







E-Learning COURSE OUTLINE

Microsoft Azure Fundamentals Training

-  High quality Content
-  Study Guides
-  Learning Videos
-  Practice Tests
-  Learning Support
-  Learn on any device





Syllabus

Module 01 - Cloud Concepts

- Lesson 01 - Introduction
- Lesson 02 - What is Cloud Computing
- Lesson 03 - What is CC
- Lesson 04 - benefits of cloud computing
- Lesson 05 - Key Concepts and Terminology
- Lesson 06 - Economies of Scale
- Lesson 07 - Capex vs Opex
- Lesson 08 - Public cloud
- Lesson 09 - Characteristics of Public Cloud
- Lesson 10 - Private Cloud
- Lesson 11 - Characteristics of Private Cloud
- Lesson 12 - Hybrid Cloud
- Lesson 13 - Characteristics of Hybrid Cloud
- Lesson 14 - Review and what next
- Lesson 15 - IAAS
- Lesson 16 - Use cases of IAAS
- Lesson 17 - What is PaaS
- Lesson 18 - Common Scenarios Paas
- Lesson 19 - What is SaaS
- Lesson 20 - Share Responsibility Model



Syllabus

Module 02 - Core Azure Services

- Lesson 01 - Introduction
- Lesson 02 - Azure Regions
- Lesson 03 - Special Azure regions
- Lesson 04 - Region pairs
- Lesson 05 - Feature Availability Region Wise
- Lesson 06 - Availability Zones
- Lesson 07 - Availability Sets
- Lesson 08 - What are Resource Groups
- Lesson 09 - Azure Resource Manager
- Lesson 10 - Azure Core Services and Products
- Lesson 11 - What is Azure Compute
- Lesson 12 - Azure Virtual Machines - Audiocast Only
- Lesson 13 - Virtual Machines 1 - Lab
- Lesson 14 - Virtual Machines II - Lab
- Lesson 15 - Virtual Machines III - Lab
- Lesson 16 - Virtual Machines IV - Lab
- Lesson 17 - Virtual Machines V - Lab
- Lesson 18 - Virtual Machine VI - Lab
- Lesson 19 - What are Containers
- Lesson 20 - Containers (Lab Activity)
- Lesson 21 - What Are Virtual Networks
- Lesson 22 - Virtual Networks Lab
- Lesson 23 - Azure Load Balancer
- Lesson 24 - VPN Gateway
- Lesson 25 - Azure Application Gateway - I
- Lesson 26 - Azure Content Delivery Networks (CDN's)
- Lesson 27 - Azure Storage Services
- Lesson 28 - Structured Data
- Lesson 29 - Semi-Structured Data
- Lesson 30 - Unstructured Data
- Lesson 31 - Azure Database Services
- Lesson 32 - Azure SQL - Lab Demo
- Lesson 33 - Azure Marketplace
- Lesson 34 - What is the Internet of Things (IoT) - Intro
- Lesson 35 - IoT Hub
- Lesson 36 - IOT Hub Demo
- Lesson 37 - Azure Big Data and Analytics
- Lesson 38 - Azure SQL Data Warehouse
- Lesson 39 - Azure HDInsights
- Lesson 40 - Azure Data Lake Analytics
- Lesson 41 - Machine Learning
- Lesson 42 - What is Serverless Computing
- Lesson 43 - The concept of DevOps
- Lesson 44 - Azure Management Tools
- Lesson 45 - Creating Resources with Powershell - Lab Activity
- Lesson 46 - Creating Resources with Azure CLI - Lab Activity
- Lesson 47 - Provision Resources using Cloud Shell - Lab Activity
- Lesson 48 Azure advisor
- Lesson 49 What did we learn



Syllabus

Module 03 - Security, Privacy, Compliance, and Trust

- Lesson 01 - What to expect in this Module
- Lesson 02 - Azure Firewalls
- Lesson 03 - Azure Firewall - Lab Activity - notes
- Lesson 04 - Azure Firewall - Lab Activity
- Lesson 05 - Azure DDOS
- Lesson 06 - Network Security Groups
- Lesson 07 - Application Security Groups
- Lesson 08 - Which Network Security Solution to choose from
- Lesson 09 - Authentication and Authorization
- Lesson 10 - Azure Active Directory
- Lesson 11 - Multi-Factor Authentication
- Lesson 12 - Azure Security Center
- Lesson 13 - Azure Security Center - Lab Activity
- Lesson 14 - Azure Key Vault
- Lesson 15 - Azure Information Protection
- Lesson 16 - Azure Advanced Threat Protection
- Lesson 17 - What is Azure Policy
- Lesson 18 - Azure Policy - Lab Activity
- Lesson 19 - Azure Role-Based Access Control (RBAC)
- Lesson 20 - Azure Role-Based Access Control (RBAC) - Lab Activity
- Lesson 21 - Azure Locks
- Lesson 22 - Azure Locks - Lab Activity
- Lesson 23 - Azure Blueprints
- Lesson 24 - Subscription Governance
- Lesson 25 - Azure Tags
- Lesson 26 - Azure Monitoring
- Lesson 27 - Azure Monitoring Lab Activity
- Lesson 28 - Azure Service Health
- Lesson 29 - Monitoring Applications and Services
- Lesson 30 - Compliance Terms and Requirements
- Lesson 31 - Microsoft Privacy Statement
- Lesson 32 - Microsoft Trust Center
- Lesson 33 - Service Trust Portal
- Lesson 34 - Azure Government Services
- Lesson 35 - Azure Germany Services
- Lesson 36 - Azure China



Syllabus

Module 04 - Azure Pricing and Support

- Lesson 01 - What to expect in this module
- Lesson 02 - Azure Subscriptions
- Lesson 03 - What are Management Groups
- Lesson 04 - Purchase Azure Product & Services Available Options
- Lesson 05 - Usage Metrics
- Lesson 06 - Factors Affecting Costs
- Lesson 07 - The concept of Zones for Billing
- Lesson 08 - Azure Pricing Calculator
- Lesson 09 - Azure Total Cost of Ownership (TCO)
- Lesson 10 - Ways to Minimize Costs in Azure
- Lesson 11 - Azure Cost Management
- Lesson 12 - Azure Support Plans
- Lesson 13 - Alternative Support Options
- Lesson 14 - Service Level Agreements (SLA's)
- Lesson 15 - Composite SLA's
- Lesson 16 - Improving Application SLA's
- Lesson 17 - Public and Features
- Lesson 18 - Providing Feedback
- Lesson 19 - General Availability
- Lesson 20 - Azure Updates, Announcements and Roadmaps
- Lesson 21 - Conclusion

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MAKE SMATER AND BETTER INVESTMENT



People Development

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- Scrum Master Certified (SMC)
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- Agile Master Certified (SAMC)
- Agile Scrum Master (ASM)

PROJECT MANAGEMENT

- Project Management Professional
- PMI Risk Management Professional
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- MSP Foundation & Practitioner
- CBAP

QUALITY MANAGEMENT

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- Six Sigma Black Belt (SSBB)
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