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Microsoft Azure

This Microsoft Azure certification training will establish you as an expert Azure solutions architect and is aligned with exams.

1. AZ-300: Azure Architect Technologies and
2. AZ-301: Azure Architect Design

You will learn to configure infrastructure, implement workloads and security, create and deploy apps, secure data, determine workload requirements, architect data platform and cloud solutions, create continuity and infrastructure strategies, and execute deployment, migration and API integration.

The Microsoft Certified Expert: Azure Solution Architect online training course will prepare you for a career as a certified Azure cloud solutions architect. The Azure training course covers the advanced activities for working with the Azure platform, including managing Azure resources, configuring and deploying virtual machines and networks, and mastering Azure AD, secure data (SSL and TLS), Azure Key Vault, and Azure Cognitive Services solutions.

PRE-REQUISITES

Exam AZ-300: Microsoft Azure Architect Technologies

1. Deploying and Configuring Infrastructure
2. Implementing Workloads and Security
3. Understanding Cloud Architect
4. Technology Solutions
5. Creating and Deploying Apps
6. Implementing Authentication and Secure Data
7. Developing for the Cloud

Exam AZ-301: Microsoft Azure Architect Design

1. Identity and Security
2. A Data Platform Solution
3. Deployment, Migration, and Integration
An Infrastructure Strategy



Microsoft Azure Course Syllabus

Module 1: Why Cloud? (Duration- 1hrs)

- Why Cloud and What is Cloud Computing?
- Identify the features and benefits of cloud computing
- Different types of Cloud Computing deployment model
- Public Cloud, Private Cloud, Hybrid Cloud
- Virtualization – An essential in cloud
- Virtualization in Cloud model
- Different types of virtualization
- Hypervisor – Benefits
- Different types of services and its difference in Cloud computing
- IaaS, PaaS, SaaS
- Importance of scaling in cloud computing
- Different types of scaling and its applications
- Issues we overcome using cloud and applications
- Cost model that we use in cloud computing

Module 2: A kick start on Microsoft Azure platform (Duration-1hrs)

- Microsoft Azure – An High level overview
- Creation of Azure account
- Overview of the services provided in Azure
- Learn support center help and other controls

Module 3: Managing Microsoft Azure Subscription (Duration-1hrs)

- Creating subscription for the account
- Cost center and tagging
- Azure policies

Module 4: Azure Resource Management (Duration-2hrs)

- Managing and analyzing azure resource
- Diagnostics and baseline environment
- Creating alerts and metrics
- Managing costs
- Log analysis



Module 5: Azure Virtual Machines (Duration-5hrs)

- Introduction to Virtual machine architecture
- Azure Virtual machine – an overview
- Understanding different families of virtual machines
- Understanding plans and costs of virtual machines
- Creating virtual machine
- Connecting virtual machine remotely
- Understanding VM Availability
- Understanding and setting virtual machine monitoring
- Virtual Machine scale sets (VMSS)
- Creating windows and linux virtual machines

Module 6: Managing Azure Virtual Machines (Duration-2hrs)

- Adding additional data disks to Virtual machine
- Adding network interface cards to virtual machines
- Changing different vm size
- Redeploying virtual machines

Module 7: Azure Virtual machine backups (Duration-2hrs)

- Understanding virtual machine backups
- Virtual machine backup jobs and restores
- Hands on virtual machine concepts

Module 8: Azure Virtual Networks (Duration-6 hrs)

- Understanding Basic networking
- Understanding CIDR
- Creation of virtual networks
- Public IP addressing concepts
- Learning network routing on azure
- Setup virtual networks peering between different virtual networks
- Vnet to vnet connection

Module 9: Introduction to Load Balancing (Duration-2 hrs)

- Setup Load Balancer
- Front End IP Configuration



Module 10: Azure network security groups (Duration-1hr)

- An intro to Network security groups
- Implementing Network security group rules

Module 11: Azure DNS Services (Duration-2hrs)

- Azure DNS services introduction
- Assigning custom domains

Module 12: Azure AD – Basic vs Premium (Duration-5hrs)

- Introduction and Creating Azure AD
- Adding our Custom Domains
- Learn about AD Identity Protection
- How to implement Self Service Password Reset
- Conditional Access and Access Reviews

Module 13: Implementing MFA (Duration-1hrs)

- Azure AD MFA – An introduction
- Azure AD Conditional Access
- Configuring Fraud Alerts
- MFA One Time Bypass

Module 14: Azure RBAC (Duration-1hrs)

- Understanding Azure Role based access control (RBAC)
- Creating custom RBAC

Module 15: Creating and configuring storage accounts (Duration-3hrs)

- Create Storage Account
- Virtual Networks and Firewalls
- Access Keys and SAS
- Storage Explorer
- Log Analytics
- Redundant Storage

After completing this online Azure certification training course, you will be able to:

- Manage Azure subscriptions and resources
- Configure, deploy, and manage virtual machines and networks
- Evaluate and perform server migration to Azure



- Implement and manage advanced virtual networking and application services
 - Manage and secure identities
 - Select compute and storage solutions
 - Perform hybrid networking
 - Evaluate throughput and structure of data access
 - Create web applications using PaaS
 - Create apps and Services Running on Service Fabric
 - Use Azure Kubernetes Service for health monitoring and maintenance
 - Develop long-running tasks and distributed transactions
 - Configure a message-based integration architecture
 - Develop for asynchronous processing and autoscaling
- Create Azure Cognitive Services solutions



FSM

ACHIEVING THE IMPOSSIBLE





ABOUT US

Who We Are:

We the FSM have remained a premier provider of business transformational solutions, assisting our valuable clients to completely revolutionize their customer management activities. Backed by extensive experience with similar architectures, we are skilled at anticipating potential risks and developing risk mitigation plans. Successful planning and implementation of an enterprise-level contact center and UC project deliveries has our track record. What sets us apart from the competition and makes us an ideal partner for your support requirements? – It is the pursuit of excellence in providing:

- Enhanced Technical Capabilities
- Experience and Proven Success
- Reduced Costs

Why Consulting Us?

As a leading institution for IT network training in the country, headquartered in Bangalore, we started our program in the year 2014. The center has been providing training across multiple CISCO systems including Security, Collaboration, Routing & Switching, Data Center, Wireless, Service Provider, UCCX, UCCE, CVP ETC, and Microsoft Skype for Business 2015. The labs, equipped with the latest technology hardware equipment, are open around the clock for the students.

We provide the most sought after programs in IT – the prestigious Cisco powered Unified Communication (Cisco Spark & Microsoft Skype for Business), and CCIE training and

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Certification. The training provides holistic knowledge and practical experience resulting in creating the best engineers in networking industry.

Our pool of certified trainers with a total of 25+ years of industry experience has been proved efficient and successful time and again by the numbers of students placed. We maintain uncompromised commitment of ensuring that every student is job-ready at the end of the course.

