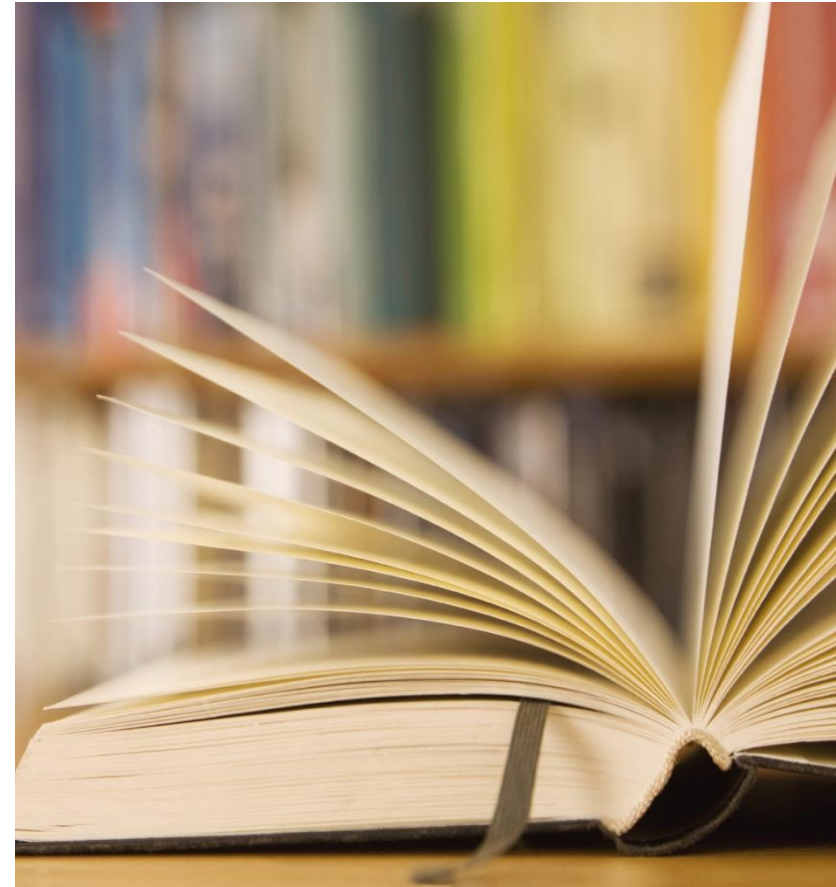


AZ-900

Azure Fundamentals (Course Curriculum)



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Syllabus & Course Outline

| | |
|----------------------|---|
| Course Name | AZ-900 (Microsoft Azure Fundamentals) |
| Duration | Weekend (6-7 weekends, 20-25hrs) |
| Delivery Mode | Classroom/Online |
| Key Features | Lab/Workshop Sessions, Demo Interview Sessions, Job Assistance Group |
| Training kit | Welcome kit, Course related software, Notes, Practice questions, & Others |
| | |

Microsoft Azure Fundamentals Certification Training is an entry-level learning for professionals who are looking forward to start their journey in Cloud services.

After completing this course, one should be able to learn all aspects of cloud computing, networking, storage, privacy, security, compliance & more.

Training will be provided on the company's domain & every one will get the sandbox to practice.

Target Students: Course is specifically designed for information Services technology (IT) professionals & developers.

Microsoft Azure Fundamentals : Describe Cloud Concepts

Cloud Computing

- Introduction to Microsoft Azure Fundamentals
- Introduction to cloud computing
- What is cloud computing
- Describe the shared responsibility model
- Define cloud models
- Describe the consumption-based model
- Knowledge Check & Summary

Benefits of using Cloud Services

- Benefits of high availability and scalability in the cloud
- Benefits of reliability and predictability in the cloud
- Benefits of security and governance in the cloud
- Benefits of manageability in the cloud
- Knowledge Check & Summary

Microsoft Azure Fundamentals : Describe Cloud Concepts

Cloud Service Types

- Infrastructure as a Service
- Platform as a Service
- Software as a Service
- Knowledge Check & Summary

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Azure Architecture and Services

Core Architectural Components of Azure

- Introduction
- What is Microsoft Azure
- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure
- Knowledge Check & Summary
- Exercise : Explore the learn Sandbox
- Exercise : Create an Azure Resource

Azure compute and networking services

- Introduction
- Azure Virtual Machines & Azure Virtual Desktop
- Azure Containers
- Azure Functions & Application hosting options
- Azure Virtual Private Networks
- Azure ExpressRoute
- Azure DNS
- Knowledge Check & Summary
- Exercise : Creation of Virtual Machine
- Exercise : Configure network access



SQL Server

Power BI & DAX

Azure

MSBI Stack (SSIS, SSRS & SSAS)

Full Stack Python

O365

Power Automate

Power Apps

Azure Architecture and Services

Azure storage services

- Azure storage accounts
- Azure storage redundancy
- Azure storage services
- Azure data migration options
- Azure file movement options
- Knowledge Check & Summary
- Exercise : Create a storage blob

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Azure Architecture and Services

Azure Identity, Access, and Security

- Introduction
- Azure directory services
- Azure authentication method
- Azure external identities
- Azure conditional access
- RBAC (Role Based Access Control)
- Zero trust model
- Microsoft Defender for cloud
- Knowledge check & Summary



SQL Server

Full Stack Python

Power BI & DAX

O365

Azure

Power Automate

MSBI Stack (SSIS, SSRS & SSAS)

Power Apps

Azure Management & Governance

Cost Management

- Introduction
- Factors that can affect costs
- Cost Management tool
- Purpose of Tags
- Azure conditional access
- RBAC (Role Based Access Control)
- Zero trust model
- Microsoft Defender for cloud
- Knowledge check & Summary

Features and Tools in Azure for Governance and Compliance

- Purpose of Azure Blueprints
- Purpose of Azure Policy
- Purpose of Azure Resource lock
- Purpose of Service Trust Portal
- Knowledge check & Summary
- Exercise : Configure a resource lock



SQL Server

Power BI & DAX

Azure

MSBI Stack (SSIS, SSRS & SSAS)

Full Stack Python

O365

Power Automate

Power Apps

Azure Management & Governance

Features and Tools for managing and deploying Azure resources

- Introduction
- Tools for interacting with Azure
- Purpose of Azure Arc
- Azure Resource Manager & ARM templates
- Knowledge check & Summary

Monitoring tools in Azure

- Introduction
- Purpose of Azure Advisor
- Azure Service Health
- Azure Monitor
- Knowledge check & Summary

THANK YOU!!!

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