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Course Name

AZ-305 Microsoft Azure Architect Design

Sector Name

Information Technology

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AZ-305 Microsoft Azure Architect Design

Course Introduction

This training program focuses on designing cloud and hybrid solutions on Azure aligned with business requirements.

This training program prepares participants for the AZ-305 certification exam by covering governance, compute, storage, security, and networking architecture design.

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Target Audience

✓ Cloud architects and solution designers

✓ Senior IT professionals managing cloud deployments

✓ Candidates preparing for the AZ-305 certification

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Learning Objectives

✓ Design secure, scalable, and reliable Azure solutions

✓ Apply best practices for compute, storage, and network design

✓ Integrate governance, identity, and monitoring into solutions

✓ Prepare for the AZ-305 Azure Architect Design certification exam

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Course Outline

✓ DAY 01

Azure Governance and Compliance Design

- ✓ Azure Policy and Blueprints
- ✓ Resource organization strategies
- ✓ Subscription and management group design
- ✓ Cost management tools
- ✓ Identity governance
- ✓ Regulatory compliance considerations
- ✓ Auditing and monitoring design

Identity and Access Design

- ✓ Azure AD design principles
- ✓ Single sign-on (SSO) and federation
- ✓ Multi-factor authentication
- ✓ Conditional Access
- ✓ B2B and B2C identity solutions
- ✓ Role-based access control
- ✓ Secure key management

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Course Outline

✓ Day 02

Compute Design

- ✓ VM sizing and selection
- ✓ Containers vs VMs
- ✓ AKS design considerations
- ✓ App Service design
- ✓ Serverless architecture
- ✓ High availability compute design
- ✓ Cost optimization strategies

Storage Design

- ✓ Azure Storage account types
- ✓ Data redundancy options
- ✓ Blob, file, queue, and table storage
- ✓ Azure Data Lake
- ✓ Securing storage
- ✓ Performance tuning
- ✓ Backup and disaster recovery

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Course Outline

✓ Day 03

Networking Design

- ✓ Hybrid network architecture
- ✓ Connectivity options
- ✓ Load balancing solutions
- ✓ Traffic routing
- ✓ Security zones
- ✓ Multi-region design
- ✓ Cost-effective networking

Monitoring and Business Continuity

- ✓ Azure Monitor architecture
- ✓ Application Insights
- ✓ Log Analytics
- ✓ Backup and restore
- ✓ Geo-redundancy planning
- ✓ DR design patterns
- ✓ SLA considerations

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Course Outline

✓ Day 04

Security Design

- ✓ Perimeter security
- ✓ Data encryption
- ✓ Application security
- ✓ Network security
- ✓ Secure DevOps
- ✓ Threat detection
- ✓ Identity protection

Application Architecture Design

- ✓ Microservices design
- ✓ API management
- ✓ Event-driven design
- ✓ Messaging solutions
- ✓ Integration services
- ✓ Web app scalability
- ✓ Legacy app modernization

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Course Outline

✓ Day 05

Advanced Design Scenarios

- ✓ IoT architecture design
- ✓ AI and machine learning integration
- ✓ Big data solutions
- ✓ Multi-cloud and hybrid patterns
- ✓ Custom compliance architectures
- ✓ Governance for complex environments
- ✓ Cost management for large-scale deployments

Certification Preparation

- ✓ Exam domains overview
- ✓ Case study walkthroughs
- ✓ Common pitfalls
- ✓ Practice exam
- ✓ Design pattern reviews
- ✓ Certification process guidance

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 10, 2027	May 14, 2027	5 days	5950.00 $	Switzerland , Zurich
April 4, 2027	April 8, 2027	5 days	4250.00 $	KSA , Dammam
Aug. 30, 2027	Sept. 3, 2027	5 days	4250.00 $	UAE , Abu Dhabi
Nov. 23, 2026	Nov. 27, 2026	5 days	4250.00 $	UAE , Dubai

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