



MICROSOFT TRAINING

AZ-305T00: Designing Microsoft Azure Infrastructure Solutions

Design robust Azure infrastructure solutions. Prepare for the AZ-305 exam and become a Microsoft Certified Azure Solutions Architect Expert.

DURATION

2 hours

LEVEL

Advanced

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The AZ-305T00: Designing Microsoft Azure Infrastructure Solutions course is a comprehensive program tailored for aspiring and experienced cloud professionals seeking to master the art of architecting solutions on Microsoft Azure. This advanced-level training focuses on the strategic design decisions required to build scalable, secure, and cost-effective cloud infrastructures. Participants will delve into core Azure technologies, including compute, networking, storage, data platforms, identity management, and security services, understanding how to integrate them into cohesive, high-performance solutions.

Through engaging modules and practical insights, you will learn to translate business requirements into actionable architectural designs, addressing key considerations like governance, business continuity, migration strategies, and resource optimization. This course equips you with the expert-level knowledge to design solutions that meet diverse enterprise needs, ensuring reliability, performance, and compliance within the Azure ecosystem.

Successfully completing this course not only hones your skills as a top-tier Azure architect but also serves as a crucial step towards earning the highly coveted Microsoft Certified: Azure Solutions Architect Expert certification. It empowers you to lead complex cloud initiatives, innovate with cutting-edge Azure services, and become an invaluable asset in any organization leveraging the power of cloud computing.

Duration	2 hours
Level	Advanced
Vendor	Microsoft
Exam Code	AZ-305

PREREQUISITES

- Understanding of cloud computing concepts
- Familiarity with Azure portal
- Basic PowerShell or CLI experience
- Understanding of virtualization concepts

COURSE CURRICULUM

01 Module 1: Design Identity, Governance, and Monitoring Solutions

- Designing authentication and authorization solutions with Azure AD
- Implementing identity security and governance strategies
- Designing a solution for logging, monitoring, and auditing
- Planning for cost management and resource tagging

02 Module 2: Design Data Storage Solutions

- Designing data storage for relational data (Azure SQL, PostgreSQL, MySQL)
- Designing data storage for non-relational data (Cosmos DB, Blob Storage, Data Lake)
- Recommending appropriate data integration solutions
- Planning for data encryption at rest and in transit

03 Module 3: Design Business Continuity Solutions

- Designing a robust backup and recovery solution
- Implementing high availability strategies using Availability Zones and Sets
- Designing for disaster recovery with Azure Site Recovery
- Developing resilient data protection strategies

04 Module 4: Design Infrastructure Solutions

- Designing compute solutions (VMs, App Services, Functions, Kubernetes)
- Designing a comprehensive network solution (VNets, VPN, ExpressRoute, Load Balancers)
- Designing for application architecture (microservices, API Management, containers)
- Implementing secure network access and perimeter security

05 Module 5: Design a Migration Strategy

- Evaluating existing on-premises environments for cloud migration
- Recommending appropriate migration strategies (rehost, refactor, re-architect)
- Designing for application modernization post-migration
- Planning for data migration tools and services

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Solutions Architect**
- > **Cloud Infrastructure Architect**
- > **Senior Azure Cloud Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for enrolling in the AZ-305T00 course?

This course is designed for individuals with significant experience in Azure administration and development. It is highly recommended that participants have a solid understanding of Azure services, networking, storage, security, and a background in at least one operating system (Windows or Linux) and a programming language. Prior experience with AZ-104 (Azure Administrator Associate) or equivalent knowledge is strongly advised to maximize learning outcomes.

Q: How does completing the AZ-305T00 course impact my career as an Azure professional?

Completing this course significantly enhances your ability to design robust, scalable, and secure Azure infrastructure solutions. It prepares you for the critical role of an Azure Solutions Architect, enabling you to lead complex cloud projects, make strategic design decisions, and optimize cloud environments for various business needs. Successfully passing the AZ-305 exam, combined with the AZ-104 certification, leads to the prestigious Microsoft Certified: Azure Solutions Architect Expert credential, opening doors to high-demand architectural roles.

Q: What specific design principles and architectural patterns will I learn to apply in real-world Azure projects through this course?

This course delves into a comprehensive range of design principles, including cost optimization, operational excellence, performance efficiency, reliability, and security within the Azure Well-Architected Framework. You will learn to apply architectural patterns for various scenarios such as high availability with availability zones, disaster recovery with site

recovery, data platform selection (SQL, Cosmos DB, Data Lake), network design (VNets, ExpressRoute, VPN Gateways), identity management (Azure AD, PIM), and governance (Azure Policy, Blueprints). The emphasis is on translating business requirements into effective, actionable Azure designs.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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Take the next step in your technology career.

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