

CertKit: Microsoft AZ-305: Designing Microsoft Azure Infrastructure Solutions

This CertKit teaches Azure Solution Architects how to design infrastructure solutions. Course topics cover governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. This role requires decisions in multiple areas that affect an overall design solution.

Prerequisites:

Successful Azure Solution Architects start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking.

- Understanding of on-premises virtualization technologies, incl.: VMs, virtual networking, and hard disks.
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP).
- Understanding of resilience and disaster recovery, including backup and restore operations.

Course outcome:

- Design a governance solution.
- Design a compute solution.
- Design an application architecture.
- Design storage, non-relational and relational.
- Design data integration solutions.
- Design authentication, authorization, and identity solutions.
- Design network solutions.
- Design backup and disaster recovery solutions.
- Design monitoring solutions.
- Design migration solutions.

Who should attend:

This course is for IT Professionals with expertise in designing and implementing solutions running on Microsoft Azure. They should have broad knowledge of IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platform, budgeting, and governance. Azure Solution Architects use the Azure Portal and as they become more adept, they use the Command Line Interface. Candidates must have expert-level skills in Azure administration and have experience with Azure development processes and DevOps processes.

CertKit content:

- E-learning courses:
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Active Directory
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Authentication
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Cloud Storage
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Blob Management
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Data Solutions
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Files Share
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Protecting Data at Rest
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Virtual Networks
 - AZ-305 - Microsoft Azure Infrastructure Solutions: VNet Peering & VPNs
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Managing Azure VMs
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Network Security
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Managing Azure Web Apps
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Application Containers
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Developer Solutions
 - AZ-305 - Microsoft Azure Infrastructure Solutions: ARM Templates
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Policy & Monitoring
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Business Continuity
 - AZ-305 - Microsoft Azure Infrastructure Solutions: Migrating to Azure
- MeasureUp Exam simulation
 - 150+ questions
- Tips & Tricks
- Challenge Labs (option)
- This collection is comprised of over 50 challenges and contains over 28 hours of hands-on practice and supports the Exam AZ-305 competencies and is mapped to the skills measured of the exam.