CertKit: Microsoft AZ-303: Microsoft Azure Architect Technologies

This CertKit teaches Solutions Architects how to translate business requirements into secure, scalable, and reliable solutions. Lessons include virtualization, automation, networking, storage, identity, security, data platform, and application infrastructure. This course outlines how decisions in each theses area affects an overall 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, including: VMs, virtual networking, and virtual 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:
- Secure identities with Azure Active Directory and users and groups.
- Implement identity solutions spanning on-premises and cloud-based capabilities
- Apply monitoring solutions for collecting, combining, and analyzing data from different sources.
- Manage subscriptions, accounts, Azure policies, and Role-Based Access Control.
- Administer Azure using the Resource Manager, Azure portal, Cloud Shell, and CLI.
- Configure intersite connectivity solutions like VNet Peering, and virtual network gateways.
- Administer Azure App Service, Azure Container Instances, and Kubernetes

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-303 - Microsoft Azure Architect Technologies: Management Tools
    - AZ-303 - Microsoft Azure Architect Technologies: Virtual Networking
    - AZ-303 - Microsoft Azure Architect Technologies: Azure Storage Accounts
    - AZ-303 - Microsoft Azure Architect Technologies: Storage Account Content Management
    - AZ-303 - Microsoft Azure Architect Technologies: Managing Azure Files
    - AZ-303 - Microsoft Azure Architect Technologies: Deploying Azure Database Solutions
    - AZ-303 - Microsoft Azure Architect Technologies: Securing Azure Networks
    - AZ-303 - Microsoft Azure Architect Technologies: Deploying & Managing Azure VMs
    - AZ-303 - Microsoft Azure Architect Technologies: Managing Azure AD
    - AZ-303 - Microsoft Azure Architect Technologies: Deploying Azure AD Connect
    - AZ-303 - Microsoft Azure Architect Technologies: Managing Azure AD Devices & Groups
    - AZ-303 - Microsoft Azure Architect Technologies: Managing Azure Web Applications
    - AZ-303 - Microsoft Azure Architect Technologies: Web App Availability & Security
    - AZ-303 - Microsoft Azure Architect Technologies: Automating Azure Administrative Tasks
    - AZ-303 - Microsoft Azure Architect Technologies: Azure & Business Continuity
    - AZ-303 - Microsoft Azure Architect Technologies: Azure Resource Governance
    - AZ-303 - Microsoft Azure Architect Technologies: Migrating to Azure
    - AZ-303 - Microsoft Azure Architect Technologies: Monitoring Azure
- MeasureUp Exam simulation
    - 160+ questions
- Tips & Tricks
- Challenge Labs (option)
    - This collection is comprised of over 60 challenges and contains over 40 hours of hands-on practice and supports the Exam AZ-303: Microsoft Azure Architect Technologies and is mapped to the skills measured of the exam. (see detailed PDF).