GTC Transforming Emerging Economies

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AZ-500T00 – Microsoft Azure Security Technologies

COURSE OVERVIEW

This course provides IT Security Professionals with the knowledge and skills needed to implement security controls, maintain an organization's security posture, and identify and remediate security vulnerabilities. This course includes security for identity and access, platform protection, data and applications, and security operations.

WHO SHOULD ATTEND?

This course is for Azure Security Engineers who are planning to take the associated certification exam, or who are performing security tasks in their day-to-day job. This course would also be helpful to an engineer that wants to specialize in providing security for Azure-based digital platforms and play an integral role in protecting an organization's data.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Implement enterprise governance and identity management strategies, including role-based access control, Azure policies, resource locks, Azure AD, Identity Protection, Privileged Identity Management, and Azure AD Connect.
- Implement network and perimeter security using Azure Firewall, Network Security Groups, Application Security Groups, and remote access management.
- Implement host and container security with endpoint protection, update management, disk encryption, Azure Container Instances, Azure Container Registry, and Azure Kubernetes.
- Implement application, storage, and database security strategies, including app registration, managed identities, Azure Key Vault, shared access signatures, data classification, and data masking.
- Implement monitoring and threat detection using Azure Monitor, Azure Security Center, and Azure Sentinel.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Security best practices and industry security requirements such as defense in depth, least privileged access, role-based access control, multi-factor authentication, shared responsibility, and zero trust model.
- Security protocols such as Virtual Private Networks (VPN), Internet Security Protocol (IPSec), Secure Socket Layer (SSL), disk and data encryption methods.
- Deploying Azure workloads. This course does not cover the basics of Azure administration, instead the course content builds on that knowledge by adding security specific information.
- Windows and Linux operating systems and scripting languages. Course labs may use PowerShell and the CLI.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded