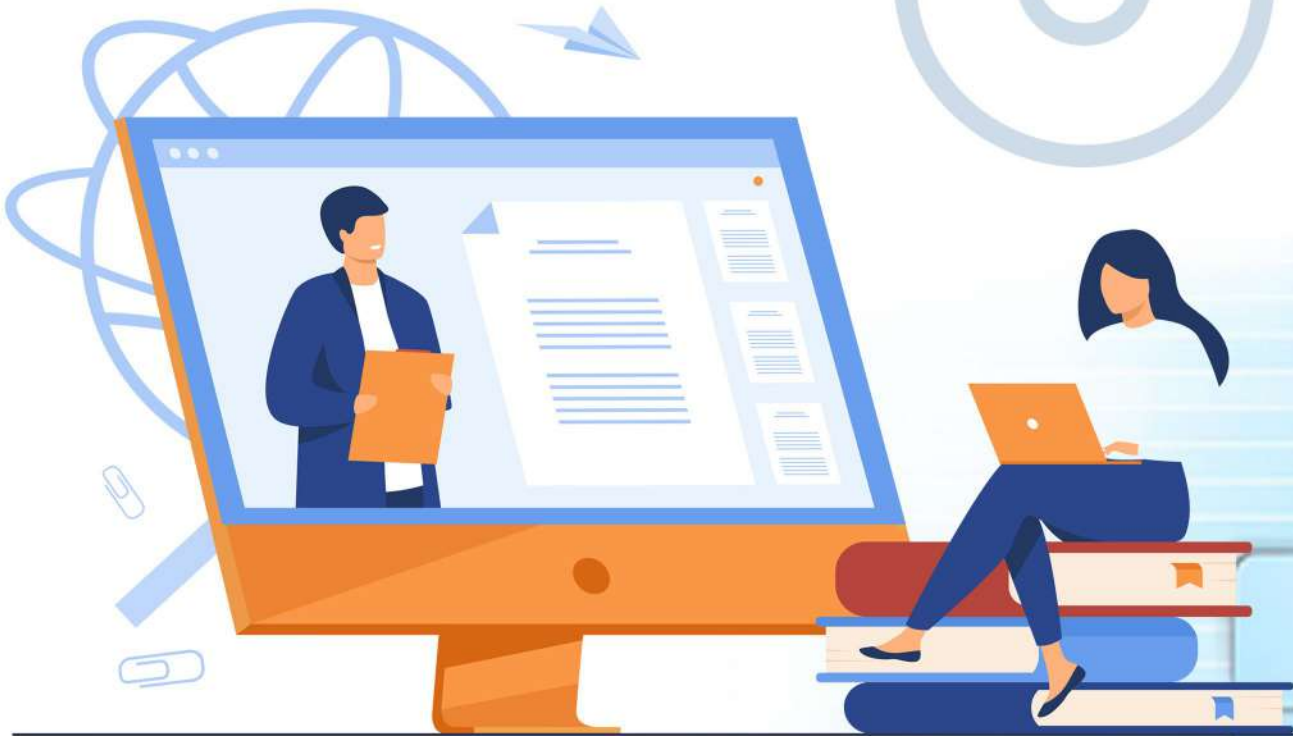


Microsoft Azure Security Technologies



Online Course

ZETLAN TECHNOLOGIES
www.zetlantech.com

Microsoft Azure Security Technologies

Course Modules

1. Manage identity and access

Manage Microsoft Entra identities

- Secure Microsoft Entra users
- Secure Microsoft Entra groups
- Recommend when to use external identities
- Secure external identities
- Implement Microsoft Entra ID Protection



Manage Microsoft Entra authentication

- Configure Microsoft Entra Verified ID
- Implement multi-factor authentication (MFA)
- Implement passwordless authentication
- Implement password protection
- Implement single sign-on (SSO)
- Integrate single sign on (SSO) and identity providers
- Recommend and enforce modern authentication protocols

Manage Microsoft Entra authorization

- Configure Azure role permissions
- Assign Microsoft Entra built-in roles
- Assign Azure built-in roles
- Create and assign custom roles
- Implement & manage MS Entra Permissions Management
- Configure Microsoft Entra Privileged Identity Management
- Configure role management and access reviews in MS
- Implement Conditional Access policies



Microsoft Azure Security Technologies

Manage Microsoft Entra application access

- Manage access to enterprise applications in Microsoft Entra ID
- Manage Microsoft Entra app registrations
- Configure app registration permission scopes
- Manage app registration permission consent
- Manage and use service principals
- Manage managed identities for Azure resources
- When to use and configure an Microsoft Entra App Proxy



2. Secure networking

Plan and implement security for virtual networks

- Plan and implement NSGs and Application Security Groups (ASGs)
- Plan and implement user-defined routes (UDRs)
- Plan and implement Virtual Network peering or VPN gateway
- Plan and implement Virtual WAN, including secured virtual hub
- Secure VPN connectivity, including point-to-site and site-to-site
- Implement encryption over ExpressRoute
- Configure firewall settings on PaaS resources
- Monitor network security by using Network Watcher

Plan and implement security for private access to Azure resources

- Plan and implement virtual network Service Endpoints
- Plan and implement Private Endpoints
- Plan and implement Private Link services
- Network integration for Azure App Service and Azure Functions
- Network security configurations for an ASE
- Plan and implement network security configurations



Microsoft Azure Security Technologies

Plan and implement security for public access to Azure resources

- Transport Layer Security (TLS) to applications,
- Plan, implement, and manage an Azure Firewall
- Plan and implement an Azure Application Gateway
- Plan and implement an Azure Front Door
- Plan and implement a Web Application Firewall (WAF)
- Recommend when to use Azure DDoS Protection Standard



3. Secure compute, storage, and databases

Plan and implement advanced security for compute

- Plan and implement remote access to public endpoints
- Configure network isolation for Azure Kubernetes Service (AKS)
- Secure and monitor AKS
- Configure authentication for AKS
- Configure security monitoring for Azure Container Instances (ACIs)
- Configure security monitoring for Azure Container Apps (ACAs)
- Manage access to Azure Container Registry (ACR)
- Configure disk encryption, including ADE, encryption as host, etc.,
- Recommend security configurations for Azure API Management

Plan and implement security for storage

- Configure access control for storage accounts
- Manage life cycle for storage account access keys
- Select and config an appropriate method for access to Azure Files
- Config an appropriate method for access to Azure Blob Storage
- Configure an appropriate method for access to Azure Tables
- Configure an appropriate method for access to Azure Queues
- Select and configure appropriate methods



Microsoft Azure Security Technologies

For Enquiry: +91 8680961847

Security for Azure SQL Database and Azure SQL Managed Instance

- Enable Microsoft Entra database authentication
- Enable database auditing
- Identify use cases for the Microsoft Purview governance portal
- Implement data classification of sensitive information
- Plan and implement dynamic masking
- Implement Transparent Database Encryption (TDE)
- Recommend when to use Azure SQL Database Always Encrypted

4. Manage security operations



Plan, implement, and manage governance for security

- Create, assign, and interpret security policies and initiatives
- Configure security settings by using Azure Blueprints
- Deploy secure infrastructures by using a landing zone
- Create and configure an Azure Key Vault
- When to use a dedicated Hardware Security Module (HSM)
- Access to Key Vault
- Manage certificates, secrets, and keys
- Configure key rotation
- Configure backup and recovery of certificates, secrets, and keys

Manage security posture by using Microsoft Defender for Cloud

- Identify and remediate security risks
- Security frameworks & Microsoft Defender for Cloud
- Add industry and regulatory standards to MS Defender for Cloud
- Add custom initiatives to Microsoft Defender for Cloud
- Connect hybrid cloud and multi-cloud environments
- Identify and monitor external assets

Free Advice: +91 9600579474

www.zetlantech.com

Microsoft Azure Security Technologies

For Enquiry: +91 8680961847

Config and manage threat protection by using Microsoft Defender

- Enable workload protection services in Microsoft Defender
- Configure Microsoft Defender for Servers
- Configure Microsoft Defender for Azure SQL Database
- Manage and respond to security alerts in Microsoft Defender
- Configure workflow automation by using Microsoft Defender
- Evaluate vulnerability scans from Microsoft Defender for Server

Config & manage security monitoring and automation solutions

- Monitor security events by using Azure Monitor
- Configure data connectors in Microsoft Sentinel
- Create and customize analytics rules in Microsoft Sentinel
- Evaluate alerts and incidents in Microsoft Sentinel
- Configure automation in Microsoft Sentinel

Zetlan Technologies



Free Advice: +91 9600579474

www.zetlantech.com



**LEARN
REMOTELY!!**

The efficiency of online learning
in terms of time management,
flexibility, and the ability
to access resources anytime,
anywhere can be compelling.



ZETLAN TECHNOLOGIES
www.zetlantech.com

**For contact: +91 8680961847
+91 9600579474**

