Microsoft Cybersecurity Architect

Zetlan Technologies

Online Course

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Course Modules

1. Design solutions that align with security

Design a resiliency strategy
- Design a security strategy to support business goals,
- Design solutions that align with Microsoft ransomware
- Design configurations for secure backup and restore
- Design solutions for security updates

Design solutions that align with the MCRA and MCSB
- Design solutions that align with best practices
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Soln that align with the Microsoft Cloud Adoption Frame

- Design a new or evaluate an existing strategy
- Recommend solutions for security and governance
- Design solutions for implementing and governing security
- Design a DevSecOps process

2. Design security operations, identity, etc.,

Design solutions for security operations
- Security oprtn to support a hybrid or multicloud environment
- Design a solution for centralized logging and auditing
- Security information and event management (SIEM)
- Design a solution for detection & response

Design solutions for identity and access management
- Design a solution for access to SaaS,PaaS ,IaaS, etc.
- Design a solution for Microsoft Entra ID
- Design a solution for external identities
- Design a modern authentication & authorization strategy
- Validate the alignment of Conditional Access policies
- Reqmt to secure Active Directory Domain Services (AD DS)
- Design a solution to manage secrets, keys, and certificates

Design solutions for securing privileged access
- Design a soln for assigning and delegating privileged roles
- Design an identity governance solution
- Solution for securing the administration of cloud tenants
- Design a soln for cloud infrastructure entitlement mgmt
- Soln Privileged Access Workstation (PAW) & bastion srvc

Design solutions for regulatory compliance
- Translate compliance requirements into a security solution
- Design a solution to address compliance requirements
- Design a solution to address privacy requirements
- Design Azure Policy solutions to address security & compliance
- Evaluate infrastructure compliance

3. Design security solutions for infrastructure

Design solutions for security posture management
- Evaluate security posture by using MCSB
- Evaluate security posture by using Microsoft Defender for Cloud
- Evaluate security posture by using Microsoft Secure Score
- Intgtd scrty posture management and workload protection soln
- Design cloud workload protection solutions
- Solution for integrating hybrid and multicloud environments
- Design a solution for Microsoft Defender EASM

Design solutions for securing server and client endpoints
- Specify security requirements for servers
- Specify security rqmts for mobile devices and clients
- Specify security reqmts for IoT devices & embedded systems
- Design a solution for securing operational technology OT, ICS
- Specify security baselines for server and client endpoints
- Design a solution for secure remote access

Specify reqmts for securing SaaS, PaaS, and IaaS services
- Specify security baselines for SaaS, PaaS, and IaaS services
- Specify security requirements for IoT workloads
- Specify security requirements for web workloads
- Specify security requirements for containers
- Specify security requirements for container orchestration

4. Design security solutions for applications and data

Design solutions for securing Microsoft 365
- Security posture for productivity and collaboration workloads
- Design a Microsoft 365 Defender solution
- Design secure configurations and operational practices

Design solutions for securing applications
- Evaluate the security posture of existing application portfolios
- Evaluate threats to business-critical applications
- Design and implement a full lifecycle strategy
- Design and implement standards and practices
- Map technologies to application security requirements
- Design a solution for workload identity
- Design a solution for API management and security
- Micgn a solution for secure access to applications

Design solutions for securing an organization's data
- Design a solution for data discovery and classification
- Specify priorities for mitigating threats to data
- Soln for protection of data at rest, data in motion, & data in use
- Design a security solution for data in Azure workloads
- Design a security solution for data in Azure Storage
- Design a security solution that includes Microsoft Defender

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in terms of time management,
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For contact:+91 8680961847
+91 9600579474