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Digi2Cloud-Azure Security Engineer Associate AZ-500 #040201

Das Trainings findet sich vom 09.02.2026 bis zum 13.02.2026 statt
und wird auf Englisch gehalten.
Es läuft täglich von 08:30 bis 17:00.
Das Training findet sich interaktiv Online statt.

Audience / Ziel Publikum :

This training ideal for Azure administrators, IT security professionals, and engineers with cloud experience who are responsible for implementing and managing security controls in Azure environments.

Requirements:

Mandatory Experience:

- 6+ months hands-on Azure administration experience
- Strong understanding of:
  - Azure administration (Equivalent to AZ-104)
  - Networking concepts (VPN, Firewall, DNS)
  - Identity management (Azure AD / Entra)
  - Security concepts (Encryption, Threat protection)

Recommended Prerequisites:

- AZ-104 Azure Administrator certification
- SC-900 Security Fundamentals (helpful)
- Experience with PowerShell/CLI scripting
- Understanding of regulatory compliance

Key Lernings

1. Identity & Access Management (IAM)
2. Secure Access to Azure Resources
3. Platform Protection & Network Security
4. Data & Application Security
5. Secure Cloud Workloads & Endpoints (End-to-End)
6. Threat Detection, Monitoring & SOC Integration
7. Encryption, Key Management & Secrets
8. Security Governance, Compliance & Policies
9. Practical, Hands-On Cloud Security
10. Exam & Real-World Readiness

Summary

AZ-500 teaches professionals to secure Azure identities, infrastructure, data, and applications using Microsoft's advanced security services, governance, and monitoring capabilities — through hands-on configuration and defense-in-depth practices.

	Modules
1.	identity and access in Azure • Microsoft Entra and users and group • Azure built-in and custom role assignments • Microsoft Entra roles and Azure roles • Microsoft Entra Privileged Identity Management (PIM) • Multi-factor authentication (MFA) for Azure resources • Conditional Access policies • Enterprise application access management • App registrations and permission scopes • Service principals and managed identities
2.	Secure Network infrastructure in Azure • Network Security Groups (NSGs) and Application Security Groups (ASGs) • User-defined routes (UDRs) • Virtual Network peering and VPN gateway • Overview of Virtual WAN and secured virtual hub • VPN connectivity (point-to-site and site-to-site) • Azure ExpressRoute details • Network Watcher monitoring • Private Endpoints and Service Endpoints • Azure Firewall, Firewall Manager, and policies • Azure Application Gateway • Azure Front Door and CDN • Web Application Firewall (WAF) • Azure DDoS Protection
3.	. Secure Compute, Storage, and Databases • Remote access to VMs (Azure Bastion, just-in-time) • Azure Kubernetes Service (AKS) security

	• Azure Container Instances (ACIs) and Container Apps (ACAs) monitoring • Azure Container Registry (ACR) access management • Disk encryption (ADE, encryption at host, confidential disk encryption) • Azure API Management security • Storage account access control • Azure Files and Blob Storage access methods • Data protection (soft delete, backups, versioning, immutable storage) • Bring your own key (BYOK) • Database auditing • Microsoft Entra database authentication • Azure SQL Database Always Encrypted
4.	Secure Azure using Microsoft Defender for Cloud and Microsoft Sentinel • Azure Policy creation and management • Azure Key Vault network settings and access • Certificate, secret, and key management • Key rotation and backup/recovery • Security controls for backups and asset management • Microsoft Defender for Cloud and Secure Score • Workload Defender protection services (Servers, Databases, Storage) • Overview of Microsoft Defender Vulnerability Management • Compliance assessment and management • Defender for Cloud DevOps Security (GitHub, Azure DevOps, GitLab) • Hybrid and multi-cloud connections (AWS, GCP) • Microsoft Defender External Attack Surface Management (EASM) • Log Analytics workspace and managing • Microsoft Sentinel and data connectors overview • Security alert management and workflow automation

Zurich, 10.12.2025