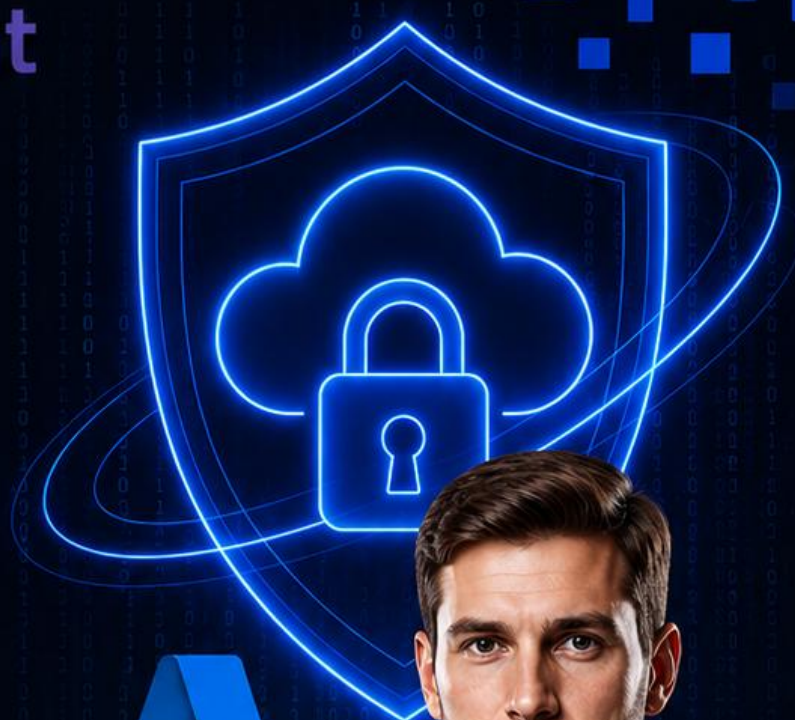




CyberHunt

● CLOUD SECURITY MASTERY

Azure Security AZ-500 Certification



Master Azure identity protection, network security, data protection, threat detection, and governance controls. Build enterprise-grade cloud security expertise with 100% practical training.

- ✓ 100% Practical Training
- ✓ Exam-Oriented Curriculum
- ✓ Real Azure Lab Environment
- ✓ Incident Response Simulation



5000+

Students Trained



95%

Success Rate



100+

Hiring Partners



24/7

Support



CyberHunt

Program Highlights



**40-Hour
Instructor-Led
Training**



**EC-Council
Authorized
Partner**



**Practical
Training on
Latest Tools**



**Telegram Group
for Exam
Support**



**Learn from CEI
Certified
Trainers**



**98% Exam
Pass Rate**



**Post Training
Support till Exam**



**Access to
Recorded
Sessions**



**Career Guidance
& Mentorship**



<https://cyberhuntit.com/>



— ABOUT COURSE

Azure Security Engineer Associate



The Azure Security (AZ-500) Certification Program is designed to prepare candidates for the Azure Security Engineer Associate role and certification. This comprehensive program focuses entirely on securing Azure cloud environments using enterprise-grade Microsoft security tools.



Unlike theoretical training, every module emphasizes practical implementation of identity protection, platform security, data protection, threat detection, and governance controls. You will work in a real Azure lab environment, deploying security architectures, configuring controls, and responding to security incidents — exactly as you will in production environments.



With curriculum spanning IAM, network segmentation, data encryption, compliance, and incident response, this is the most comprehensive AZ-500 preparation available. Master the Zero Trust model, implement RBAC and Conditional Access, configure Azure Defender, and integrate Microsoft Sentinel for threat detection.



AZ-500 Skill Coverage



Identity & Access Management (IAM)



25%



Network Security & Segmentation



20%



Data Protection & Encryption



20%



Threat Protection & Detection



18%



Compliance, Governance & Incident Response



17%



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Target Audience

- ✓ Security Analysts
- ✓ Ethical Hackers
- ✓ System Administrators
- ✓ Network Administrators
- ✓ Network and Security Engineers
- ✓ Cyber Security Managers
- ✓ Information Security Auditors
- ✓ Security Professionals



Pre-Requisites

- ✓ Basic understanding of network essentials and core concepts, including server and network components.





Course Curriculum

Comprehensive AZ-500 focused cloud security training
on Microsoft Azure platform

01 Azure Security Fundamentals



- Azure Global Infrastructure Overview
- Shared Responsibility Model
- Azure Resource Manager (ARM) Basics
- Azure Security Architecture
- Zero Trust Model in Azure
- Cloud Threat Landscape



Practical: Azure portal navigation & resource deployment basics.

02 Identity & Access Management (IAM)



- Azure Active Directory (Entra ID) Overview
- Role-Based Access Control (RBAC)
- Privileged Identity Management (PIM)
- Conditional Access Policies
- Multi-Factor Authentication (MFA)
- Identity Protection & Risk Policies
- Managed Identities



Practical: Configure RBAC & Conditional Access policies in Azure.

03 Platform Protection & Network Security



- Azure Virtual Networks (VNet)
- Network Security Groups (NSG)
- Azure Firewall Configuration
- Application Gateway & WAF
- DDoS Protection Standard
- Private Endpoints & Service Endpoints
- Secure Remote Access with Bastion



Practical: Design secure VNet architecture with NSG & Firewall rules.

04 Compute & Storage Security



- Securing Virtual Machines
- Azure Disk Encryption (ADE)
- Azure Key Vault Management
- Storage Account Security & SAS Tokens
- Azure Backup & Disaster Recovery
- Defender for Cloud Configuration



Practical: Enable encryption & secure storage accounts with Key Vault.

05 Application Security in Azure



- Securing App Services & Functions
- Azure Kubernetes Security Basics
- Container Security & Registries
- API Security & Secrets Management
- Web Application Firewall (WAF)
- Authentication & Authorization Patterns



Practical: Secure web application using WAF & Key Vault integration.

06 Security Monitoring & Threat Protection



- Microsoft Defender for Cloud Overview
- Secure Score & Security Recommendations
- Security Alerts Investigation
- Log Analytics Workspace Setup
- Microsoft Sentinel Integration
- Threat Detection & Incident Response



Practical: Investigate alerts & respond to simulated cloud security incidents.

07 Data Security & Encryption



- Data Encryption at Rest & In Transit
- Azure Disk Encryption (ADE)
- Transparent Data Encryption (TDE)
- Customer-Managed Keys (CMK)
- Azure Information Protection
- Secure Data Access Controls



Practical: Configure encryption & key management policies for sensitive data.

08 Governance, Risk & Compliance



- Azure Policy & Initiative Creation
- Resource Governance with Blueprints
- Resource Locks & Management Groups
- Compliance Manager & Standards
- Regulatory Compliance (HIPAA, PCI-DSS)
- Cost Optimization & Security Balance



Practical: Implement Azure Policy to restrict insecure deployments.

09 Incident Response & Cloud Operations



- Cloud Incident Handling Process
- Investigating Compromised Azure VMs
- Identity Compromise Scenarios
- Misconfiguration Exploitation
- Remediation & Hardening Procedures
- Creating Incident Response Reports



Practical: Full Azure security incident simulation & response.



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TRAINING ENQUIRIES

Have questions or need more information about our training programs? We're here to help!



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