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## Microsoft Azure Security Technologies

**Duration: 4 Days    Course Code: M-AZ500    Delivery Method: Virtual Learning**

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### Overview:

In this course students will gain the knowledge and skills needed to implement security controls, maintain the security posture, and identify and remediate vulnerabilities by using a variety of security tools. The course covers scripting and automation, virtualization, and cloud N-tier architecture.

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

This course is suitable for all professionals working in an Azure environment, Administrators, Developers and Architects.

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### Objectives:

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| ■ After completing this course, students will be able to: | ■ Implement Azure data encryption methods                      |
| ■ Describe specialized data classifications on Azure      | ■ Secure Internet protocols and how to implement them on Azure |
| ■ Identify Azure data protection mechanisms               | ■ Describe Azure security services and features                |
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### Prerequisites:

Students should have at least one year of hands-on experience securing Azure workloads and experience with security controls for workloads on Azure.

- Microsoft Azure Administrator Associate

### Testing and Certification

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## Content:

### Module 1: Identity and Access

#### Lessons

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription
- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security
- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines
- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications

### Module 2: Platform Protection

#### Lessons

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription
- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security
- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines
- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications

### Module 3: Security Operations

#### Lessons

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription
- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security
- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines
- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications

### Module 4: Data and applications

#### Lessons

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription
- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security
- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines
- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications

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### Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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