Secure cloud resources with Microsoft security technologies

CODICE	**AZ-500T00**
DURATA	**4 gg**
PREZZO	**1.590,00 €**
EXAM	

DESCRIZIONE

AZ-500T00 - In this course students will gain the knowledge and skills needed to implement security controls, maintain the security posture, and identify and remediation of vulnerabilities by using a variety of security tools. The course covers configuring and deploying security solutions for cloud N-tier architecture.

** Il corso è stato ritirato e sostituito da SC-500T00 Implement end-to-end security controls for cloud and AI workloads

OBIETTIVI RAGGIUNTI

After completing this course, students will be able to:

- Describe specialized data classifications on Azure
- Identify Azure data protection mechanisms
- Implement Azure data encryption methods
- Secure Internet protocols and how to implement them on Azure
- Describe Azure security services and features

TARGET

This course is for Azure Security Engineers who are planning to take the associated certification exam, or who are performing security tasks in their day-to-day job. This course would also be helpful to an engineer that wants to specialize in providing security for Azure-based digital platforms and play an integral role in protecting an organization's data.

PREREQUISTI

Before attending this course, it is strongly encouraged that learners acquire the knowledge equivalent to what is assessed as part of the Microsoft Azure Administrator Associate certification.

CONTENUTI

Module 1: Manage Identity and Access

Gone are the days when security focused on a strong perimeter defense to keep malicious hackers out. Anything outside the perimeter was treated as hostile, whereas inside the wall, an organization’s systems were trusted. Today's security posture is to assume breach and use the Zero Trust model. Security professionals no longer focus on perimeter defense. Modern organizations have to support access to data and services evenly from both inside and outside the corporate firewall. This module will serve as your roadmap as you start building more security into your Azure solutions.

Lessons

- Configure Azure AD PIM
- Configure and manage Azure Key Vault
- Configure Azure AD for Azure workloads
- Security for an Azure subscription

After completing this module, students will be able to:

- Understand the Zero Trust Model.
- Configure Azure Active Directory for workloads.
- Configure Azure AD Privileged Identity Management.
- Configure Azure tenant security.
- Configure and manage Key Vault.

Module 2: Implement Platform Protection

We know that security is job one in the cloud and how important it is that you find accurate and timely information about Azure security. One of the best reasons to use Azure for your applications and services is to take advantage of its wide array of security tools and capabilities. These tools and capabilities help make it possible to create secure solutions on the secure Azure platform.

Lessons

- Understand cloud security
- Azure networking
- Secure the network
- Implementing host security
- Implement platform security
- Implement subscription security

After completing this module, students will be able to:

- Implement network security.
- Implement host security.
- Configure container Security.

- Implement Azure Resource Manager security.

Module 3: Secure Data and applications

Azure security for data and applications offers a comprehensive solution that helps organizations take full advantage of the promise of cloud applications while maintaining control with improved visibility into activity. It also increases protection of critical data across cloud applications. With tools to help uncover Shadow IT, assess risk, enforce policies, investigate activities and stop threats, organizations can safely move to the cloud while maintaining control of critical data.

Lessons

- 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: Manage Security Operations

Azure provides security mechanisms to aid administrators who manage Azure cloud services and virtual machines. These mechanisms include: Authentication and role-based access control. Monitoring, logging, and auditing. Certificates and encrypted communications. A web management portal.

Lessons

- Configure security services
- Configure security policies using Azure Security Center
- Manage security alerts
- Respond to an remediation of security issues
- Create security baselines

After completing this module, students will be able to:

- Configure security services.
- Configure security policies.
- Manage security alerts.