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# MICROSOFT AZ-500

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**Microsoft Azure Security Technologies Certification Questions & Answers**

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Exam Summary – Syllabus – Questions

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**AZ-500**

**[Microsoft Certified - Azure Security Engineer Associate](#)**

**40-60 Questions Exam - 700/1000 Cut Score - Duration of 120 minutes**

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## Know Your AZ-500 Certification Well:

The AZ-500 is best suitable for candidates who want to gain knowledge in the Microsoft Azure. Before you start your AZ-500 preparation you may struggle to get all the crucial Azure Security Technologies materials like AZ-500 syllabus, sample questions, study guide.

But don't worry the AZ-500 PDF is here to help you prepare in a stress free manner. The PDF is a combination of all your queries like-

- What is in the AZ-500 syllabus?
- How many questions are there in the AZ-500 exam?
- Which Practice test would help me to pass the AZ-500 exam at the first attempt?

Passing the AZ-500 exam makes you Microsoft Certified - Azure Security Engineer Associate. Having the Azure Security Technologies certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Microsoft AZ-500 Azure Security Technologies Certification Details:

Exam Name	Microsoft Certified - Azure Security Engineer Associate
Exam Code	AZ-500
Exam Price	\$165 (USD)
Duration	120 mins
Number of Questions	40-60
Passing Score	700 / 1000
Books / Training	<a href="#"><b>AZ-500T00-A: Microsoft Azure Security Technologies</b></a>
Schedule Exam	<a href="#"><b>Pearson VUE</b></a>
Sample Questions	<a href="#"><b>Microsoft Azure Security Technologies Sample Questions</b></a>
Practice Exam	<a href="#"><b>Microsoft AZ-500 Certification Practice Exam</b></a>

## AZ-500 Syllabus:

Topic	Details
<b>Manage identity and access (30-35%)</b>	
Manage Azure Active Directory (Azure AD) identities	<ul style="list-style-type: none"> <li>- create and manage a managed identity for Azure resources</li> <li>- manage Azure AD groups</li> <li>- manage Azure AD users</li> <li>- manage external identities by using Azure AD</li> <li>- manage administrative units</li> </ul>
Manage secure access by using Azure AD	<ul style="list-style-type: none"> <li>- configure Azure AD Privileged Identity Management (PIM)</li> <li>- implement Conditional Access policies, including multifactor Authentication (MFA)</li> <li>- implement Azure AD Identity Protection</li> <li>- implement passwordless authentication</li> <li>- configure access reviews</li> </ul>
Manage application access	<ul style="list-style-type: none"> <li>- integrate single sign-on (SSO) and identity providers for authentication</li> <li>- create an app registration</li> <li>- configure app registration permission scopes</li> <li>- manage app registration permission consent</li> <li>- manage API permission to Azure subscriptions and resources</li> <li>- configure an authentication method for a service principal</li> </ul>
Manage access control	<ul style="list-style-type: none"> <li>- configure Azure role permissions for management groups, subscriptions, resource groups, and resources</li> <li>- interpret role and resource permissions</li> <li>- assign built-in Azure AD roles</li> <li>- create and assign custom roles, including Azure roles and Azure AD roles</li> </ul>
<b>Implement platform protection (15-20%)</b>	
Implement advanced network security	<ul style="list-style-type: none"> <li>- secure the connectivity of hybrid networks</li> <li>- secure the connectivity of virtual networks</li> <li>- create and configure Azure Firewall</li> <li>- create and configure Azure Firewall Manager</li> <li>- create and configure Azure Application Gateway</li> <li>- create and configure Azure Front Door</li> <li>- create and configure Web Application Firewall (WAF)</li> <li>- configure a resource firewall, including storage account, Azure SQL, Azure Key Vault, or Azure App Service</li> <li>- configure network isolation for Web Apps and Azure Functions</li> </ul>

Topic	Details
	<ul style="list-style-type: none"> <li>- implement Azure Service Endpoints</li> <li>- implement Azure Private Endpoints, including integrating with other services</li> <li>- implement Azure Private Links</li> <li>- implement Azure DDoS Protection</li> </ul>
Configure advanced security for compute	<ul style="list-style-type: none"> <li>- configure Azure Endpoint Protection for virtual machines (VMs)</li> <li>- Implement and manage security updates for VMs</li> <li>- configure security for container services</li> <li>- manage access to Azure Container Registry</li> <li>- configure security for serverless compute</li> <li>- configure security for an Azure App service</li> <li>- configure encryption at rest</li> <li>- configure encryption in transit</li> </ul>
<b>Manage security operations (25-30%)</b>	
Configure centralized policy management	<ul style="list-style-type: none"> <li>- configure a custom security policy</li> <li>- create a policy initiative</li> <li>- configure security settings and auditing by using Azure Policy</li> </ul>
Configure and manage threat protection	<ul style="list-style-type: none"> <li>- configure Azure Defender for Servers (not including Microsoft Defender for Endpoint)</li> <li>- evaluate vulnerability scans from Azure Defender</li> <li>- configure Azure Defender for SQL</li> <li>- use the Microsoft Threat Modeling Tool</li> </ul>
Configure and manage security monitoring solutions	<ul style="list-style-type: none"> <li>- create and customize alert rules by using Azure Monitor</li> <li>- configure diagnostic logging and log retention by using Azure Monitor</li> <li>- monitor security logs by using Azure Monitor</li> <li>- create and customize alert rules in Azure Sentinel</li> <li>- configure connectors in Azure Sentinel</li> <li>- evaluate alerts and incidents in Azure Sentinel</li> </ul>
<b>Secure data and applications (25-30%)</b>	
Configure security for storage	<ul style="list-style-type: none"> <li>- configure access control for storage accounts</li> <li>- configure storage account access keys</li> <li>- configure Azure AD authentication for Azure Storage and Azure Files</li> <li>- configure delegated access</li> </ul>
Configure security for data	<ul style="list-style-type: none"> <li>- enable database authentication by using Azure AD</li> <li>- enable database auditing</li> <li>- configure dynamic masking on SQL workloads</li> <li>- implement database encryption for Azure SQL Database</li> </ul>

Topic	Details
	- implement network isolation for data solutions, including Azure Synapse Analytics and Azure Cosmos DB
Configure and manage Azure Key Vault	- create and configure Key Vault - configure access to Key Vault - manage certificates, secrets, and keys - configure key rotation - configure backup and recovery of certificates, secrets, and keys

## Microsoft AZ-500 Sample Questions:

### Question: 1

You are securing access to the resources in an Azure subscription. A new company policy states that all the Azure virtual machines in the subscription must use managed disks. You need to prevent users from creating virtual machines that use unmanaged disks. What should you do?

- a) Azure Monitor
- b) Azure Policy
- c) Azure Security Center
- d) Azure Service Health

**Answer: b**

### Question: 2

You have an Azure subscription named Sub1. In Azure Security Center, you have a security playbook named Play1. Play1 is configured to send an email message to a user named User1. You need to modify Play1 to send email messages to a distribution group named Alerts. What should you use to modify Play1?

- a) Azure DevOps
- b) Azure Application Insights
- c) Azure Monitor
- d) Azure Logic Apps Designer

**Answer: d**

**Question: 3**

You company has an Azure subscription named Sub1. Sub1 contains an Azure web app named WebApp1 that uses Azure Application Insights. WebApp1 requires users to authenticate by using OAuth 2.0 client secrets.

Developers at the company plan to create a multi-step web test app that preforms synthetic transactions emulating user traffic to Web App1. You need to ensure that web tests can run unattended.

What should you do first?

- a) Register the web test app in Azure AD
- b) Upload the .webtest file to Application Insights
- c) In Microsoft Visual Studio, modify the .webtest file
- d) Add a plug-in to the web test app

**Answer: b**

**Question: 4**

You manage an Azure subscription named Sub1 that is currently associated with an Azure AD tenant named company1.com. Sub1 contains a key vault named kv1 and four system-assigned managed identities named m1, m2, m3, and m4.

The subscription's billing administrator is kent@company1.com. You need to migrate Sub1 and the key vault to a new Azure AD tenant named company2.com. You start by transferring Sub1 to company2.com.

What should you do next?

- a) Change the tenant ID of kv1.
- b) Update the billing administrator.
- c) Recreate the system-assigned managed identities.
- d) Re-register all resource providers.

**Answer: a**

**Question: 5**

From the Azure portal, you are configuring an Azure policy. You plan to assign policies that use the DeployIfNotExist, AuditIfNotExist, Append, and Deny effects.

Which effect requires a managed identity for the assignment?

- a) AuditIfNotExist
- b) Append
- c) DeployIfNotExist
- d) Deny

**Answer: c**

**Question: 6**

Your company uses Azure DevOps. You need to recommend a method to validate whether the code meets the company's quality standards and code review standards.

What should you recommend implementing in Azure DevOps?

- a) branch folders
- b) branch permissions
- c) branch policies
- d) branch locking

**Answer: c**

**Question: 7**

From Azure Security Center, you create a custom alert rule. You need to configure which users will receive an email message when the alert is triggered. What should you do?

- a) From Azure Monitor, create an action group
- b) From Security Center, modify the Security policy settings of the Azure subscription
- c) From Azure Active Directory (Azure AD), modify the members of the Security Reader role group
- d) From Security Center, modify the alert rule

**Answer: a**



**Question: 8**

You have an Azure subscription named Sub1 that contains an Azure Log Analytics workspace named LAW1. You have 100 on-premises servers that run Windows Server 2012 R2 and Windows Server 2016.

The servers connect to LAW1. LAW1 is configured to collect security-related performance counters from the connected servers. You need to configure alerts based on the data collected by LAW1.

The solution must meet the following requirements:

- Alert rules must support dimensions.
- The time it takes to generate an alert must be minimized.
- Alert notifications must be generated only once when the alert is generated and once when the alert is resolved.

Which signal type should you use when you create the alert rules?

- a) Log
- b) Log (Saved Query)
- c) Metric
- d) Activity Log

**Answer: c**

**Question: 9**

You create an Azure Log Analytics workspace named Analytics1 in RG1 in the East US region. Which virtual machines can be enrolled in Analytics1?

- a) VM1 only
- b) VM1, VM2, and VM3 only
- c) VM1, VM2, VM3, and VM4
- d) VM1 and VM4 only

**Answer: a**

**Question: 10**

You are configuring and securing a network environment. You deploy an Azure virtual machine named VM1 that is configured to analyze network traffic. You need to ensure that all network traffic is routed through VM1.

What should you configure?

- a) a system route
- b) a network security group (NSG)
- c) a user-defined route
- d) a security center

**Answer: c**

## Study Guide to Crack Microsoft Azure Security Technologies AZ-500 Exam:

- Getting details of the AZ-500 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the AZ-500 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Microsoft provided training for AZ-500 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the AZ-500 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on AZ-500 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

## Reliable Online Practice Test for AZ-500 Certification

Make EduSum.com your best friend during your Microsoft Azure Security Technologies exam preparation. We provide authentic practice tests for the AZ-500 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual AZ-500 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the AZ-500 exam.

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