

AZ-900^{Q&As}

Microsoft Azure Fundamentals

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QUESTION 1

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
All the Azure resources deployed to a single resource group must share the same Azure region.	<input type="radio"/>	<input type="radio"/>
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input type="radio"/>	<input type="radio"/>
If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
All the Azure resources deployed to a single resource group must share the same Azure region.	<input type="radio"/>	<input checked="" type="radio"/>
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input type="radio"/>	<input checked="" type="radio"/>
If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No

Azure resources deployed to a single resource group can be located in different regions. The resource group only contains metadata about the resources it contains.

When creating a resource group, you need to provide a location for that resource group. You may be wondering, "Why does a resource group need a location? And, if the resources can have different locations than the resource group, why

does the resource group location matter at all?" The resource group stores metadata about the resources. When you specify a location for the resource group, you're specifying where that metadata is stored. For compliance reasons, you may

need to ensure that your data is stored in a particular region.

Box 2: No

Tags for Resources are not inherited by default from their Resource Group

Box 3: Yes

A resource group can be used to scope access control for administrative actions. By default, permissions set at the resource level are inherited by the resources in the resource group.

References:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview>

QUESTION 2

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the scalable expenditure model.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

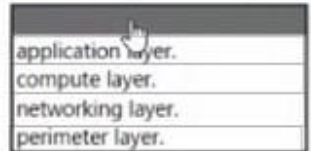
QUESTION 3

HOTSPOT

Select the answer that correctly completes the sentence.

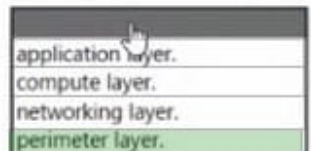
Hot Area:

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the



Correct Answer:

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the



QUESTION 4

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	<input type="checkbox"/>	<input type="checkbox"/>
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	<input type="checkbox"/>	<input type="checkbox"/>
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	<input type="checkbox"/>	<input type="checkbox"/>

Correct Answer:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Box 1: Yes

The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.

Box 2: Yes

As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as ~federation TM.

Federation is a collection of domains that have established trust. The level of trust may vary, but typically includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have

established trust for shared access to a set of resources.

Box 3: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-what-is>

[https://docs.microsoft.com/en-us/active-directory/hybrid/what-is-fed](https://docs.microsoft.com/en-us/azure/active-directory/hybrid/what-is-fed)

<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

QUESTION 5

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

You have an application that is comprised of an Azure web app that has a Service Level Agreement(SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent.

The composite SLA for the application is :

the product of both SLAs, which equals 99.94 percent.
the lowest SLA associated to the application, which is 99.95 percent.
the highest SLA associated to the application, which is 99.99 percent.
the difference between the two SLAs, which is 0.05 percent.

Correct Answer:

You have an application that is comprised of an Azure web app that has a Service Level Agreement(SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent.

The composite SLA for the application is :

the product of both SLAs, which equals 99.94 percent.
the lowest SLA associated to the application, which is 99.95 percent.
the highest SLA associated to the application, which is 99.99 percent.
the difference between the two SLAs, which is 0.05 percent.

QUESTION 6

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and one availability zone in your strategy.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

References: <https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

QUESTION 7

DRAG DROP

Match the Azure Services service to the correct description.

Instructions: To answer, drag the appropriate service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Services

- Azure Sphere
- IoT Central
- IoT Hub

Answer Area

- A managed service that provides bidirectional communication between IoT devices and Azure
- A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale
- A software and hardware solution that provides communication and security features for IoT devices

Correct Answer:

Services

-
-
-

Answer Area

- IoT Hub A managed service that provides bidirectional communication between IoT devices and Azure
- IoT Central A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale
- Azure Sphere A software and hardware solution that provides communication and security features for IoT devices

QUESTION 8

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
If your company uses an Azure free account, you can only deploy Azure virtual machines and Azure storage accounts.	<input type="radio"/>	<input type="radio"/>
All Azure free accounts expire after a specific period.	<input type="radio"/>	<input type="radio"/>
You can create up to 10 Azure free accounts by using the same Microsoft account.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
If your company uses an Azure free account, you can only deploy Azure virtual machines and Azure storage accounts.	<input type="radio"/>	<input checked="" type="radio"/>
All Azure free accounts expire after a specific period.	<input checked="" type="radio"/>	<input type="radio"/>
You can create up to 10 Azure free accounts by using the same Microsoft account.	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 9

This question requires that you evaluate the underlined text to determine if it is correct.

Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. Management groups
- C. Azure policies

D. Azure App Service plans

Correct Answer: C

QUESTION 10

Your network contains an Active Directory forest named contoso.com. The forest contains a single domain. You have an Azure subscription named Sub1 that is associated to an Azure Active Directory (Azure AD) tenant named contoso.com. You plan to deploy Azure AD Connect and to integrate Active Directory and the Azure AD tenant. You need to recommend an integration solution that meets the following requirements:

Ensures that password policies and user logon restrictions apply to user accounts that are synced to the tenant
Minimizes the number of servers required for the solution.

Which authentication method should you include in the recommendation?

- A. federated identity with Active Directory Federation Services (AD FS)
- B. password hash synchronization with seamless single sign-on (SSO)
- C. pass-through authentication with seamless single sign-on (SSO)

Correct Answer: B

Password hash synchronization requires the least effort regarding deployment, maintenance, and infrastructure. This level of effort typically applies to organizations that only need their users to sign in to O365, SaaS apps, and other Azure AD-based resources. When turned on, password hash synchronization is part of the Azure AD Connect sync process and runs every two minutes.

Incorrect Answers:

A: A federated authentication system relies on an external trusted system to authenticate users. Some companies want to reuse their existing federated system investment with their Azure AD hybrid identity solution. The maintenance and management of the federated system falls outside the control of Azure AD. It's up to the organization by using the federated system to make sure it's deployed securely and can handle the authentication load.

C: For pass-through authentication, you need one or more (we recommend three) lightweight agents installed on existing servers. These agents must have access to your on-premises Active Directory Domain Services, including your on-premises AD domain controllers. They need outbound access to the Internet and access to your domain controllers. For this reason, it's not supported to deploy the agents in a perimeter network. Pass-through Authentication requires unconstrained network access to domain controllers. All network traffic is encrypted and limited to authentication requests.

References: <https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-pta>

QUESTION 11

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

	Yes	No
An Azure free account has a spending limit	<input type="radio"/>	<input type="radio"/>
An Azure free account has a limit for the amount of data that can be uploaded to Azure.	<input type="radio"/>	<input type="radio"/>
An Azure free account can contain an unlimited number of web apps.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

	Yes	No
An Azure free account has a spending limit	<input checked="" type="radio"/>	<input type="radio"/>
An Azure free account has a limit for the amount of data that can be uploaded to Azure.	<input type="radio"/>	<input checked="" type="radio"/>
An Azure free account can contain an unlimited number of web apps.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes

An Azure free account has a spending limit. This is currently 200 USD or 150 GBP.

Box 2: No

Azure free account has a 5 GB blob storage limit and a 5 GB file storage limit.

Box 3: No

Azure free account has a limit of 10 web, mobile or API apps

References:

<https://azure.microsoft.com/en-us/free/>

<https://azure.microsoft.com/en-us/free/free-account-faq/>

<https://docs.microsoft.com/en-us/azure/billing/billing-avoid-charges-free-account>

QUESTION 12

You need to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription. What should you use?

A. Azure Monitor

- B. Azure Service Health
- C. Azure Advisor
- D. Microsoft Trust Center

Correct Answer: B

Azure Service Health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Service Health experience knows which services and resources you currently use.

Reference: <https://docs.microsoft.com/en-us/azure/service-health/overview>

QUESTION 13

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have a hybrid configuration of Azure Active Directory (Azure AD).

You have an Azure HDInsight cluster on a virtual network.

You plan to allow users to authenticate to the cluster by using their on-premises Active Directory credentials. You need to configure the environment to support the planned authentication.

Solution: You create a site-to-site VPN between the virtual network and the on-premises network.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A

You can connect HDInsight to your on-premises network by using Azure Virtual Networks and a VPN gateway. Note: To allow HDInsight and resources in the joined network to communicate by name, you must perform the following actions:

Create Azure Virtual Network.

Create a custom DNS server in the Azure Virtual Network.

Configure the virtual network to use the custom DNS server instead of the default Azure Recursive Resolver. Configure forwarding between the custom DNS server and your on-premises DNS server.

References:

<https://docs.microsoft.com/en-us/azure/hdinsight/connect-on-premises-network>

QUESTION 14

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

A company that has numerous divisions is planning to deploy an Azure environment.

The company would like each division's option to pay for the Azure services it utilizes, not be the same.

You have been asked to recommend a solution to meet the requirements.

Solution: You recommend that an Azure role be created for each division.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 15

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

	▼
The Microsoft 365 Compliance admin center	
The Microsoft 365 Defender portal	
Microsoft Defender for Cloud in the Azure portal	
Microsoft Trust Center	

provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.

Correct Answer:

	▼
The Microsoft 365 Compliance admin center	
The Microsoft 365 Defender portal	
Microsoft Defender for Cloud in the Azure portal	
Microsoft Trust Center	

provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.

Explanation:

Microsoft 365 compliance is now called Microsoft Purview and the solutions within the compliance area have been rebranded.

When you first visit the compliance portal, the card section on the home page shows you at a glance how your organization is doing with data compliance, what solutions are available for your organization, and a summary of any active alerts.

From here, you can:

*

Review the Microsoft Purview Compliance Manager card, which leads you to the Compliance Manager solution. Compliance Manager helps simplify the way you manage compliance.

*

Review the new Solution catalog card, which links to collections of integrated solutions you can use to help you manage end-to-end compliance scenarios. A solution's capabilities and tools might include a combination of policies, alerts, reports, and more.

*

Review the Active alerts card, which includes a summary of the most active alerts and includes a link where you can view more detailed information, such as Severity, Status, Category, and more.

Reference: <https://docs.microsoft.com/en-us/microsoft-365/compliance/microsoft-365-compliance-center>

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