

# Developing Solutions for Microsoft Azure

1. You have two Hyper-V hosts named Host1 and Host2. Host1 has an Azure virtual machine named VM1 that was deployed by using a custom Azure Resource Manager template.

You need to move VM1 to Host2.

What should you do?

A. From the Update management blade, click Enable.

B. From the Overview blade, move VM1 to a different subscription.

C. From the Redeploy blade, click Redeploy.

D. From the Profile blade, modify the usage location.

**Answer(s): C**

---

2. DRAG DROP (Drag & Drop is not supported)

You have downloaded an Azure Resource Manager template to deploy numerous virtual machines. The template is based on a current virtual machine, but must be adapted to reference an administrative password.

You need to make sure that the password is not stored in plain text.

You are preparing to create the necessary components to achieve your goal.

Which of the following should you create to achieve your goal? Answer by dragging the correct option from

the list to the answer area.

# Options

# Answer

An Azure Key Vault

An Azure Storage account

Azure Active Directory (AD)  
Identity Protection

An access policy

An Azure policy

A backup policy

A. See Explanation section for answer.

**Answer(s):** A

---

**3.** Your company has an Azure Kubernetes Service (AKS) cluster that you manage from an Azure AD-joined device. The cluster is located in a resource group.

Developers have created an application named MyApp. MyApp was packaged into a container image.

You need to deploy the YAML manifest file for the application.

Solution: You install the Azure CLI on the device and run the `kubectl apply -f myapp.yaml` command.

Does this meet the goal?

A. Yes

B. No

**Answer(s): A**

---

4. Your company has an Azure Kubernetes Service (AKS) cluster that you manage from an Azure AD-joined device. The cluster is located in a resource group.

Developers have created an application named MyApp. MyApp was packaged into a container image. You need to deploy the YAML manifest file for the application.

Solution: You install the docker client on the device and run the `docker run -it microsoft/azure-cli:0.10.17` command.

Does this meet the goal?

A. Yes

B. No

**Answer(s): B**

---

5. Your company has a web app named WebApp1.

You use the WebJobs SDK to design a triggered App Service background task that automatically invokes a function in the code every time new data is received in a queue.

You are preparing to configure the service processes a queue data item.

Which of the following is the service you should use?

A. Logic Apps

B. WebJobs

C. Flow

D. Functions

**Answer(s): B**

---

6. Your company has an Azure subscription.

You need to deploy a number of Azure virtual machines to the subscription by using Azure Resource Manager (ARM) templates. The virtual machines will be included in a single availability set.

You need to ensure that the ARM template allows for as many virtual machines as possible to remain accessible in the event of fabric failure or maintenance.

Which of the following is the value that you should configure for the `platformFaultDomainCount` property?

A. 10

B. 30

C. Min Value

D. Max Value

**Answer(s): D**

---

7. Your company has an Azure subscription.

You need to deploy a number of Azure virtual machines to the subscription by using Azure Resource Manager (ARM) templates. The virtual machines will be included in a single availability set.

You need to ensure that the ARM template allows for as many virtual machines as possible to remain accessible in the event of fabric failure or maintenance.

Which of the following is the value that you should configure for the platformUpdateDomainCount property?

A. 10

B. 20

C. 30

D. 40

**Answer(s):** D

---

**8. DRAG DROP** (Drag & Drop is not supported)

You are creating an Azure Cosmos DB account that makes use of the SQL API. Data will be added to the account every day by a web application.

You need to ensure that an email notification is sent when information is received from IoT devices, and that compute cost is reduced.

You decide to deploy a function app.

Which of the following should you configure the function app to use? Answer by dragging the correct options from the list to the answer area.

# Options

# Answer

Azure Cosmos DB  
connector

SendGrid action

Consumption plan

Azure Event Hubs  
binding

SendGrid binding

A. See Explanation section for answer.

**Answer(s):** A

---

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

You company has an on-premises deployment of MongoDB, and an Azure Cosmos DB account that makes use of the MongoDB API.

You need to devise a strategy to migrate MongoDB to the Azure Cosmos DB account.

You include the Data Management Gateway tool in your migration strategy.

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

A. No change required

B. mongorestore

C. Azure Storage Explorer

D. AzCopy

**Answer(s): B**

---

10. You are developing an e-Commerce Web App.

You want to use Azure Key Vault to ensure that sign-ins to the e-Commerce Web App are secured by using Azure App Service authentication and Azure Active Directory (AAD).

What should you do on the e-Commerce Web App?

A. Run the az keyvault secret command.

B. Enable Azure AD Connect.

C. Enable Managed Service Identity (MSI).

D. Create an Azure AD service principal.

**Answer(s): C**

---

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

Your Azure Active Directory Azure (Azure AD) tenant has an Azure subscription linked to it.

Your developer has created a mobile application that obtains Azure AD access tokens using the OAuth 2 implicit grant type.

The mobile application must be registered in Azure AD.

You require a redirect URI from the developer for registration purposes.

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 required.

B. a secret

C. a login hint

D. a client ID

**Answer(s): A**

---

12. You are creating an Azure key vault using PowerShell. Objects deleted from the key vault must be kept for a set period of 90 days.

Which two of the following parameters must be used in conjunction to meet the requirement? (Choose two.)

- A. EnabledForDeployment
- B. EnablePurgeProtection
- C. EnabledForTemplateDeployment
- D. EnableSoftDelete

Answer(s): B D

13. HOTSPOT (Drag & Drop is not supported)

You have an Azure Active Directory (Azure AD) tenant.

You want to implement multi-factor authentication by making use of a conditional access policy. The conditional access policy must be applied to all users when they access the Azure portal.

Which three settings should you configure? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

The screenshot shows the configuration page for a Conditional Access policy titled "Require MFA for Azure port...". The page includes a header with "Info" and "Delete" options. The "Name" field is set to "MFA required for Azure portal access". Under the "Assignments" section, there are three expandable options: "Users and groups" (0 users selected), "Cloud apps" (0 apps selected), and "Conditions" (0 conditions selected). Under the "Access controls" section, there are two expandable options: "Grant" (0 controls selected) and "Session" (0 controls selected). At the bottom, the "Enable policy" toggle is set to "On".

A. See Explanation section for answer.

**Answer(s): A**

---

**14.** You manage an Azure SQL database that allows for Azure AD authentication.

You need to make sure that database developers can connect to the SQL database via Microsoft SQL Server Management Studio (SSMS). You also need to make sure the developers use their on-premises Active Directory account for authentication. Your strategy should allow for authentication prompts to be kept to a minimum.

Which of the following should you implement?

A. Azure AD token.

B. Azure Multi-Factor authentication.

C. Active Directory integrated authentication.

D. OATH software tokens.

**Answer(s): C**

---

**15.** You are developing an application to transfer data between on-premises file servers and Azure Blob storage. The application stores keys, secrets, and certificates in Azure Key Vault and makes use of the Azure Key Vault APIs.

You want to configure the application to allow recovery of an accidental deletion of the key vault or key vault objects for 90 days after deletion.

What should you do?

A. Run the Add-AzKeyVaultKey cmdlet.

B. Run the az keyvault update --enable-soft-delete true --enable-purge-protection true CLI.

C. Implement virtual network service endpoints for Azure Key Vault.

D. Run the az keyvault update --enable-soft-delete false CLI.

**Answer(s): B**

---

**16. HOTSPOT** (Drag & Drop is not supported)

You have developed a Web App for your company. The Web App provides services and must run in multiple regions.

You want to be notified whenever the Web App uses more than 85 percent of the available CPU cores over a 5 minute period. Your solution must minimize costs.

Which command should you use? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

```
az monitor metrics alert create -n myAlert -g myResourceGroup
--scopes targetResourceID --condition "[<input type='text' value='> 85'>] > 85"
--window size 5m
--evaluation-frequency
--auto-mitigate
```

<input type='text' value='> 85'>
CPU Usage
Percentage CPU
avg Percentage CPU

A. See Explanation section for answer.

Answer(s): A

17. 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 configuring a web app that delivers streaming video to users. The application makes use of continuous integration and deployment.

You need to ensure that the application is highly available and that the users' streaming experience is constant. You also want to configure the application to store data in a geographic location that is nearest to the user.

Solution: You include the use of Azure Redis Cache in your design.

Does the solution meet the goal?

A. Yes

B. No

Answer(s): B

18. 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 configuring a web app that delivers streaming video to users. The application makes use of continuous integration and deployment.

You need to ensure that the application is highly available and that the users' streaming experience is constant. You also want to configure the application to store data in a geographic location that is nearest to the user.

Solution: You include the use of an Azure Content Delivery Network (CDN) in your design.

Does the solution meet the goal?

A. Yes

B. No

Answer(s): A

19. 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 configuring a web app that delivers streaming video to users. The application makes use of continuous integration and deployment.

You need to ensure that the application is highly available and that the users' streaming experience is constant. You also want to configure the application to store data in a geographic location that is nearest to



the user.

Solution: You include the use of a Storage Area Network (SAN) in your design.

Does the solution meet the goal?

A. Yes

B. No

**Answer(s): B**

---

**20.** You develop a Web App on a tier D1 app service plan.

You notice that page load times increase during periods of peak traffic.

You want to implement automatic scaling when CPU load is above 80 percent. Your solution must minimize costs.

What should you do first?

A. Enable autoscaling on the Web App.

B. Switch to the Premium App Service tier plan.

C. Switch to the Standard App Service tier plan.

D. Switch to the Azure App Services consumption plan.

**Answer(s): C**

---