Similar Type Questions

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.

1. 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. Does the solution meet the goal?
    - Answer Hint: Use CDN
    - Solution: You include the use of Azure Redis Cache in your design. **No**
    - You include the use of an Azure Content Delivery Network (CDN) in your design. **Yes**
    - You include the use of a Storage Area Network (SAN) in your design. **No**

2. You are developing a solution for a public facing API. The API back end is hosted in an Azure App Service instance. You have implemented a RESTful service for the API back end. You must configure back-end authentication for the API Management service instance. Does the solution meet the goal?
    - Answer Hint: You configure Client cert gateway credentials for the Azure resource.
    - Solution: You configure Basic gateway credentials for the Azure resource. ---**No**
    - Solution: You configure Client cert gateway credentials for the HTTP(s) endpoint. --**No**
    - You configure Basic gateway credentials for the HTTP(s) endpoint. --**No**
    - Solution: You configure Client cert gateway credentials for the Azure resource. --**Yes**

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. Does this meet the goal?
    - Solution hint: kubectl apply -f myapp.yaml applies a configuration change to a resource from a file or stdin. **--Yes**
    - Solution: You install the Azure CLI on the device and run the kubectl apply `"f myapp.yaml command. **--No**
    - Solution: You install the docker client on the device and run the docker run -it microsoft/azure-cli:0.10.17 command. -- **No**

4. You are developing a solution that will be deployed to an Azure Kubernetes Service (AKS) cluster. The solution will include a custom VNet, Azure Container Registry images, and an Azure Storage account. The solution must allow dynamic creation and management of all Azure resources within the AKS cluster. You need to configure an AKS cluster for use with the Azure APIs. Does the solution meet the goal?
    - Solution Hint: Create an AKS cluster that supports **network policy**
    - Solution: Enable the Azure Policy Add-on for Kubernetes to connect the Azure Policy service to the GateKeeper admission controller for the AKS cluster. Apply a built-in policy to the cluster. **–No**
    - Solution: Create an AKS cluster that supports network policy. Create and apply a network to allow traffic only from within a defined namespace. **-- Yes**

5. You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2. When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute. You need to design the process that starts the photo processing. Does the solution meet the goal?
    - Solution Hint: You need to catch the triggered event, so move the photo processing to an Azure Function triggered from the blob upload.
    - Solution: Trigger the photo processing from Blob storage events. – **No**
    - Solution: Convert the Azure Storage account to a BlockBlobStorage storage account. –**No**
        i. Not necessary to convert the account, instead move photo processing to an Azure Function triggered from the blob upload.
    - Move photo processing to an Azure Function triggered from the blob upload. – **Yes**
    - Solution: Create an Azure Function app that uses the Consumption hosting model and that is triggered from the blob upload. – **Yes**

6. You develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob. The app continues to time out after four minutes. The app must process the blob data. You need to ensure the app does not time out and processes the blob data. Does the solution meet the goal?
    - Solution Hint: Pass the HTTP trigger payload
    - Solution: Use the Durable Function async pattern to process the blob data. **–No**
    - Solution: Pass the HTTP trigger payload into an Azure Service Bus queue to be processed by a queue trigger function and return an immediate HTTP success response. – **Yes**
    - Solution: Configure the app to use an App Service hosting plan and enable the Always On setting. -- **No**

7. You develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot. You need to ensure that scripts run and resources are available before a swap operation occurs. Does the solution meet the goal?
    - Solution hint: Enable. Instead update the web.config file to include the applicationInitialization configuration element.
    - Solution: Update the web.config file to include the applicationInitialization configuration element. Specify custom initialization actions to run the scripts. – **No**
    - Solution: Disable auto swap. Update the app with a method named statuscheck to run the scripts. Re-enable auto swap and deploy the app to the Production slot. —**No**
    - Solution: Enable auto swap for the Testing slot. Deploy the app to the Testing slot. **–Yes**
    - Solution: Update the app with a method named status check to run the scripts. Update the app settings for the app. Set the
    - WEBSITE_SWAP_WARMUP_PING_PATH and WEBSITE_SWAP_WARMUP_PING_STATUSES with a path to the new method and appropriate response codes. **-- No**

8. You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials. You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.
    - Solution Hint: **groupMembershipClaims**
    - Solution: Configure the Azure Web App for the website to allow only authenticated requests and require Azure AD log on. **--No**
    - Solution:
        i. Create a new Azure AD application. In the application's manifest, set value of the groupMembershipClaims option to All.
        ii. In the website, use the value of the groups claim from the JWT for the user to determine permissions. **–Yes**
    - Solution:
        i. Create a new Azure AD application. In the application's manifest, define application roles that match the required permission levels for the application.
        ii. Assign the appropriate Azure AD group to each role. In the website, use the value of the roles claim from the JWT for the user to determine permissions. **–No**

9. You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager. You need to obtain an Azure Resource Manager access token. Does the solution meet the goal?
    - Solution hint: Invoke-RestMethod cmdlet to make a reques
    - Solution: Use an X.509 certificate to authenticate the VM with Azure Resource Manager. **--No**
    - Solution: Use the Reader role-based access control (RBAC) role to authenticate the VM with Azure Resource Manager. **–No**
    - Solution: Run the Invoke-RestMethod cmdlet to make a request to the local managed identity for Azure resources endpoint. **--Yes**

10. You are developing a medical records document management website. The website is used to store scanned copies of patient intake forms. If the stored intake forms are downloaded from storage by a third party, the contents of the forms must not be compromised. You need to store the intake forms according to the requirements. Does the solution meet the goal?
    - Solution Hint: Azure Blob storage
    - Solution:
        i. Create an Azure Key Vault key named skey.
        ii. Encrypt the intake forms using the public key portion of skey.
        iii. Store the encrypted data in Azure Blob storage. **–Yes**
    - Solution:
        i. Create an Azure Cosmos DB database with Storage Service Encryption enabled.
        ii. Store the intake forms in the Azure Cosmos DB database. **–No**
    - Solution:
        i. Store the intake forms as Azure Key Vault secrets. **–No**

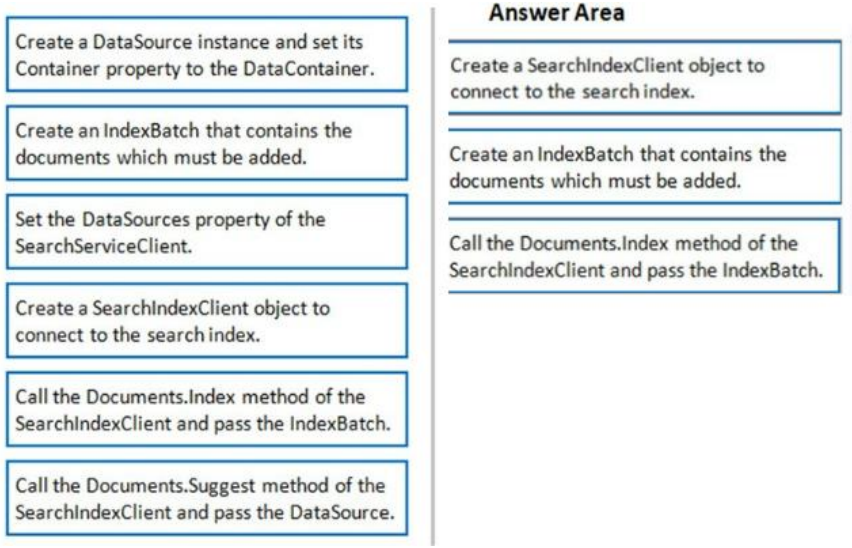
11. You are developing an Azure Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently. You have the following requirements:
    - Queue size must not grow larger than 80 gigabytes (GB).
    - Use first-in-first-out (FIFO) ordering of messages.
    - Minimize Azure costs.
    - You need to implement the messaging solution.
    - Solution hint: Don't use a VM, uses an Azure Service Bus Queue trigger
    - Solution:
        i. Use the .Net API to add a message to an Azure Service Bus Queue from the mobile application. Create an Azure Windows VM that is triggered from Azure Service Bus Queue. **–No**
    - Solution:
        i. Use the .Net API to add a message to an Azure Service Bus Queue from the mobile application. Create an Azure Function App that uses an Azure Service Bus Queue trigger. **–Yes**

12. You are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data. You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future. You need to implement a solution to receive the device data.
    - Solution Hint : use an Azure Service Bus, which is used order processing and financial transactions.
    - Solution: Provision an Azure Service Bus. Configure a topic to receive the device data by using a correlation filter. –**Yes**
    - Solution: Provision an Azure Event Grid. Configure event filtering to evaluate the device identifier. **–No**
    - Solution: Provision an Azure Notification Hub. Register all devices with the hub. **–No**

13. You are developing and deploying several ASP.NET web applications to Azure App Service. You plan to save session state information and HTML output.
    i. You must use a storage mechanism with the following requirements:
    ii. ➪ Share session state across all ASP.NET web applications.
    iii. ➪ Support controlled, concurrent access to the same session state data for multiple readers and a single writer.
    iv. ➪ Save full HTTP responses for concurrent requests.
    v. You need to store the information.

- Solution Hint: Deploy and configure Azure Cache for Redis
- Solution: Deploy and configure Azure Cache for Redis. Update the web applications. **–Yes**
- Solution: Add the web applications to Docker containers. Deploy the containers. Deploy the containers to Azure Kubernetes Service (AKS). **–No**

14. Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.You create the index in Azure Search.You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.
    - SoutionHint Only 3 Options→ Create a SearchIndexClient object,Create Indexatch, Call the Documents.Index method



    - Solution: **--Yes**
        i. Create a SearchIndexClient object to connect to the search index
        ii. Create an IndexBatch that contains the documents which must be added.
        iii. Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.
    - Solution: **--No**
        i. Create a SearchServiceClient object to connect to the search index.
        ii. Create a DataContainer that contains the documents which must be added.
        iii. Create a DataSource instance and set its Container property to the DataContainer.
        iv. Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.