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# 70-532

## Developing Microsoft Azure Solutions

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## Topic 1, Photography Application

### Company information

You have been hired as a developer to create an application for a photography company named ABC Photographic Services.

The company employs several in-house photographers and a few freelance photographers.

The company hires out the photographers to photograph or video record events such as weddings, graduations and other ceremonies.

The company also provides a photo printing and framing service. People can send in photos and have them enlarged and framed if required.

### Application Outline Requirements

You have been tasked with creating a web application to provide the following functionality:

- Website users will be able to upload photos and order framed prints of the photos.
- Website users will be able to book a photographer for their events.
- The website will be available using the abcphotographicservices.com custom domain.
- When an event has been photographed, website users will be able to view their photos online using a subdomain of the website's custom domain. The subdomains will be unique to each customer and based on the customer's name.
- If a company-employed photographer is unavailable, freelance photographers will be able to log in to a private section of the website to view available booking requests.

### Current Environment

The company currently uses a custom application to process photo and customer information. The application runs as an executable file name PhotoApp.exe. An on-premise server named AppSrv1 runs Windows Server 2008 and is used to host PhotoApp.exe.

The company has registered the abcphotographicservices.com domain.

### Technical Requirements

The company has identified the following technical requirements:

- The PhotoApp.exe application will continue to be used and must be incorporated into the new solution.
- Data must be stored in a Windows file share to be accessible by the PhotoApp.exe application.

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- The new solution will be hosted on Azure.
  - The AppSrv1 on-premise server will be converted to an Azure Virtual Machine (VM)
  - An A3 size VM named AppVMTest1 will be created on Azure for testing.

## Security and Availability Requirements

The company has identified the following security and availability requirements:

- Access to the website must be secured by using HTTPS.
- Updates to the website must be tested before being deployed to the live site.
- Updates to the website must be deployed with no downtime.
- Multiple staging slots must be available to test multiple website updates.
- In the event of problems caused by updates to the website, you must be able to quickly roll back to the previous version of the website.
- The website must automatically scale to cope with peaks in demand.
- The website must be automatically backed up.

## Website Performance Issues

During initial testing of the website, you discover that images are slow to render if you have been inactive for a while.

### QUESTION NO: 1

You need to configure the Azure website to use a custom domain name and configure the appropriate DNS records for your custom domain. The home page of the website must be available using the url: <http://www.abcphotographicservices.com>.

You log in to the Azure websites portal and obtain the IP address of your website.

Which of the following DNS records should you create in the abcphotographicservices.com DNS zone? (Each answer is a complete solution. Choose two)

- A.** A Host (A) record named www that points to <websitename>.azurewebsites.net.
- B.** A Host (A) record named www that points to the website IP address.
- C.** An Alias (CNAME) record named www that points to the website IP address.
- D.** An Alias (CNAME) record named www that points to <websitename>.azurewebsites.net.
- E.** An Alias (CNAME) record named <websitename>.azurewebsites.net that points to www.abcphotographicservices.com.

**Answer: B,D**

**Explanation:**

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## QUESTION NO: 2

You need to meet the security requirements of making the website available using HTTPS.

Which two of the following actions should you perform? (Choose two)

- A. Purchase a basic SSL certificate from a public Certificate Authority and upload it to Azure.
- B. Purchase a SAN (Subject Alternative Name) SSL certificate from a public Certificate Authority and upload it to Azure.
- C. Purchase a Wildcard SSL certificate from a public Certificate Authority and upload it to Azure.
- D. Create a DNS record for HTTPS.
- E. Modify the SSL Bindings options in the Azure Websites Management Portal.
- F. Modify the website configuration file to include the public key of the SSL certificate.

**Answer: C,E**

**Explanation:**

## QUESTION NO: 3

You need to create an Azure VM to replace AppSrv1.

You create a VHD that contains an image of AppSrv1. You create a container in an Azure Storage Account to store the VHD.

You need to upload the VHD to the storage container.

Which of the following PowerShell cmdlets should you use?

- A. Add-AzureDisk
- B. Add-AzureVhd
- C. Add-AzureVMImage
- D. Add-AzureDataDisk

**Answer: B**

**Explanation:**