

- **Vendor: Microsoft**
- **Exam Code: 70-533**
- **Exam Name: Implementing Microsoft Azure Infrastructure Solutions**
- **Question 31 – Question 60**

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**QUESTION 31**

Hotspot Question

You manage an Azure subscription. You develop a storage plan with the following requirements:

- Database backup files that are generated once per year are retained for ten years.
- High performance system telemetry logs are created constantly and processed for analysis every month.

In the table below, identify the storage redundancy type that must be used. Make only one selection in each column.

Redundancy	DB Backups	Telemetry Logs
Locally redundant storage (LRS)	<input type="radio"/>	<input type="radio"/>
Zone-redundant storage (ZRS)	<input type="radio"/>	<input type="radio"/>
Geo-redundant storage (GRS)	<input type="radio"/>	<input type="radio"/>
Read-access geo-redundant storage (RA-GRS)	<input type="radio"/>	<input type="radio"/>

**Answer:**

Redundancy	DB Backups	Telemetry Logs
Locally redundant storage (LRS)	<input type="radio"/>	<input checked="" type="radio"/>
Zone-redundant storage (ZRS)	<input type="radio"/>	<input type="radio"/>
Geo-redundant storage (GRS)	<input checked="" type="radio"/>	<input type="radio"/>
Read-access geo-redundant storage (RA-GRS)	<input type="radio"/>	<input type="radio"/>

**QUESTION 32**

You administer an Azure Storage account with a blob container. You enable Storage account logging for read, write and delete requests. You need to reduce the costs associated with storing the logs. What should you do?

- A. Execute Delete Blob requests over https
- B. Create an export job for your container
- C. Set up a retention policy
- D. Execute Delete Blob requests over http

**Answer: C**

**Explanation:**

To ease the management of your logs, we have provided the functionality of retention policy which will automatically cleanup 'old' logs without you being charged for the cleanup. It is recommended that you set a retention policy for logs such that your analytics data will be within the 20TB limit allowed for analytics data (logs and metrics combined).

<http://blogs.msdn.com/b/windowsazurestorage/archive/2011/08/03/windows-azure-storage-logging-using-logs-to-track-storage-requests.aspx>

**QUESTION 33**

You administer an Azure Storage account named contosostorage. The account has a blob container to store image files. A user reports being unable to access an image file. You need to ensure that anonymous users can successfully read image files from the container. Which log entry should you use to verify access?

- ☐ A. 1.0;2014-06-19T01:33:54.0926521Z;GetBlob;AnonymousSuccess;201;197;54;anonymous;contosostorage;contosostorage;blob;"https://contosostorage.blob.core.windows.net/images/00001.jpg";"/contosostorage/images/00001.jpg";a200be85-1c98-4dd9-918e-f13d8c0538e0;0;192.100.0.102:4362;2014-02-14;460;23;225;0;23;"DrPO6z1f00SCsomhaf+J/A==";"DrPO6z1f00SCsomhaf+J/A==";"0x8D15975AA456EA4";Thursday, 19-Jun-14 01:33:53 GMT;"WA-Storage/4.0.1 (.NET CLR 4.0.30319.34014;Win32NT 6.3.9600.0)";"1fe6814a-e4cb-4195-a3cf-837dc7120f68"
- ☐ B. 1.0;2014-06-19T01:33:54.0926521Z;GetBlobProperties;AnonymousSuccess;201;197;54;anonymous;contosostorage;contosostorage;blob;"https://contosostorage.blob.core.windows.net/images/00001.jpg";"/contosostorage/images/00001.jpg";a200be85-1c98-4dd9-918e-f13d8c0538e0;0;192.100.0.102:4362;2014-02-14;460;23;225;0;23;"DrPO6z1f00SCsomhaf+J/A==";"DrPO6z1f00SCsomhaf+J/A==";"0x8D15975AA456EA4";Thursday, 19-Jun-14 01:33:53 GMT;"WA-Storage/4.0.1 (.NET CLR 4.0.30319.34014;Win32NT 6.3.9600.0)";"1fe6814a-e4cb-4195-a3cf-837dc7120f68"
- ☐ C. 1.0;2014-06-19T01:33:54.0926521Z;GetBlob;Success;201;197;54;authenticated;contosostorage;contosostorage;blob;"https://contosostorage.blob.core.windows.net/images/00001.jpg";"/contosostorage/images/00001.jpg";a200be85-1c98-4dd9-918e-f13d8c0538e0;0;192.100.0.102:4362;2014-02-14;460;23;225;0;23;"DrPO6z1f00SCsomhaf+J/A==";"DrPO6z1f00SCsomhaf+J/A==";"0x8D15975AA456EA4";Thursday, 19-Jun-14 01:33:53 GMT;"WA-Storage/4.0.1 (.NET CLR 4.0.30319.34014;Win32NT 6.3.9600.0)";"1fe6814a-e4cb-4195-a3cf-837dc7120f68"
- ☐ D. 1.0;2014-06-19T01:33:54.0926521Z;GetBlobProperties;Success;201;197;54;authenticated;contosostorage;contosostorage;blob;"https://contosostorage.blob.core.windows.net/images/00001.jpg";"/contosostorage/images/00001.jpg";a200be85-1c98-4dd9-918e-f13d8c0538e0;0;192.100.0.102:4362;2014-02-14;460;23;225;0;23;"DrPO6z1f00SCsomhaf+J/A==";"DrPO6z1f00SCsomhaf+J/A==";"0x8D15975AA456EA4";Thursday, 19-Jun-14 01:33:53 GMT;"WA-Storage/4.0.1 (.NET CLR 4.0.30319.34014;Win32NT 6.3.9600.0)";"1fe6814a-e4cb-4195-a3cf-837dc7120f68"

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer: A**

**Explanation:**

<http://blogs.msdn.com/b/windowsazurestorage/archive/2011/08/03/windows-azure-storage-logging-using-logs-to-track-storage-requests.aspx>

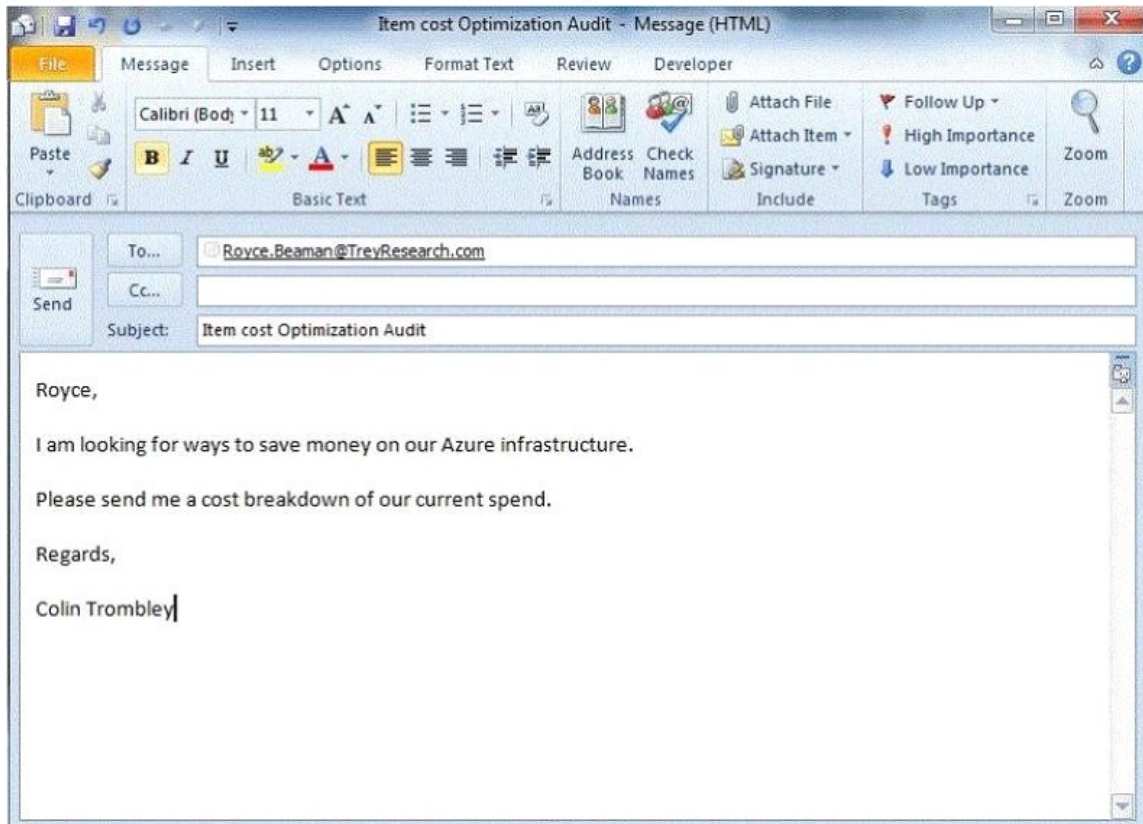
### QUESTION 34

Hotspot Question

You have an Azure SQL Database named Contosodb. Contosodb is running in the Standard/S2 tier and has a service level objective of 99 percent. You review the service tiers in Microsoft Azure SQL Database as well as the results of running performance queries for the usage of the database for the past week as shown in the exhibits:

Average CPU Utilization In Percent	Maximum CPU Utilization In Percent	Average Physical Data Read Utilization In Percent	Maximum Physical Data Read Utilization In Percent	Average Log Write Utilization In Percent	Maximum Log Write Utilization In Percent
23.4	93.1	21.0	48.0	21.7	61.0

CPU Fit Percent	Log Write Fit Percent	Physical Data Read Fit Percent
99.7	99.8	99.6



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

	Yes	No
The database can be moved to the Basic tier without compromising performance.	<input type="radio"/>	<input type="radio"/>
The database can be moved to the Standard/S1 tier without compromising performance.	<input type="radio"/>	<input type="radio"/>
The database must be moved to the Premium/P1 tier to satisfy the service level objective.	<input type="radio"/>	<input type="radio"/>

**Answer:**

	Yes	No
The database can be moved to the Basic tier without compromising performance.	<input type="radio"/>	<input checked="" type="radio"/>
The database can be moved to the Standard/S1 tier without compromising performance.	<input checked="" type="radio"/>	<input type="radio"/>
The database must be moved to the Premium/P1 tier to satisfy the service level objective.	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation:**

\* The P1 performance level has 100 DTUs compared to the 200 DTUs of the P2 performance level. That means that the P1 performance level provides half the performance of the P2 performance level. So 50% of CPU utilization in P2 equals 100% CPU utilization in P1. As long as the application does not have timeouts, it may not matter if a big job takes 2 hours or 2.5 hours to complete as long as it gets done today. An application in this category can probably just use a P1 performance level.

Service Tier/Performance Level	DTU	MAX DB Size	Max Worker Threads	Max Sessions	Predictability
Basic	5	2 GB	30	300	Good
Standard/S0	10	250 GB	60	600	Better
Standard/S1	20	250 GB	90	900	Better
Standard/S2	50	250 GB	120	1,200	Better
Premium/P1	100	500 GB	200	2,400	Best
Premium/P2	200	500 GB	400	4,800	Best
Premium/P3	800	500 GB	1,600	19,200	Best

### QUESTION 35

Your company is launching a public website that allows users to stream videos. You upload multiple video files to an Azure storage container. You need to give anonymous users read access to all of the video files in the storage container. What should you do?

- A. Edit each blob's metadata and set the access policy to Public Blob.
- B. Edit the container metadata and set the access policy to Public Container.
- C. Move the files into a container sub-directory and set the directory access level to Public Blob.
- D. Edit the container metadata and set the access policy to Public Blob.

**Answer: D**

**Explanation:**

By default, the container is private and can be accessed only by the account owner. To allow public read access to the blobs in the container, but not the container properties and metadata, use the



"Public Blob" option. To allow full public read access for the container and blobs, use the "Public Container" option.

<https://azure.microsoft.com/en-gb/documentation/articles/storage-manage-access-to-resources/>

**QUESTION 36**

Hotspot Question

You manage a public-facing web application which allows authenticated users to upload and download large files. On the initial public page there is a promotional video. You plan to give users access to the site content and promotional video. In the table below, identify the access method that should be used for the anonymous and authenticated parts of the application. Make only one selection in each column.

Access Method	Anonymous	Authenticated
Create an Access Policy per user and provide Read and Write access to the blob files by using Shared Access Signatures.	<input type="radio"/>	<input type="radio"/>
Create Ad-Hoc Shared Access Signatures to provide read-only access to the blob files.	<input type="radio"/>	<input type="radio"/>
Create Ad-Hoc Shared Access Signatures to provide Read and Write access to the blob files.	<input type="radio"/>	<input type="radio"/>
Make the blob container public.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Access Method	Anonymous	Authenticated
Create an Access Policy per user and provide Read and Write access to the blob files by using Shared Access Signatures.	<input type="radio"/>	<input checked="" type="radio"/>
Create Ad-Hoc Shared Access Signatures to provide read-only access to the blob files.	<input type="radio"/>	<input type="radio"/>
Create Ad-Hoc Shared Access Signatures to provide Read and Write access to the blob files.	<input type="radio"/>	<input type="radio"/>
Make the blob container public.	<input checked="" type="radio"/>	<input type="radio"/>

### QUESTION 37

Drag and Drop Question

Your company network includes a single forest with multiple domains. You plan to migrate from On-Premises Exchange to Exchange Online. You want to provision the On-Premises Windows Active Directory (AD) and Azure Active Directory (Azure AD) service accounts. You need to set the required permissions for the Azure AD service account. Which settings should you use? To answer, drag the appropriate permission to the service account. Each permission may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Permissions	Service Account
Enterprise Admin	Azure AD
Domain Admin	Permission
Global Admin	Permission
Password Admin	
IIS Admin	

**Answer:**

Permissions	Service Account
	Azure AD
Domain Admin	Enterprise Admin
	Global Admin
Password Admin	
IIS Admin	

**Explanation:**

When you run the Directory Sync tool Configuration Wizard, you must provide the following information:

Enterprise admin credentials for the on-premises Active Directory schema Global admin credentials for the Microsoft cloud service

<https://support.microsoft.com/kb/2684395?wa=wsignin1.0>

**QUESTION 38**

Hotspot Question

You administer an Azure Active Directory (Azure AD) tenant. You add a custom application to the tenant. The application must be able to:

- Read data from the tenant directly.
- Write data to the tenant on behalf of a user.

In the table below, identify the permission that must be granted to the application. Make only one selection in each column.



Permission	Application Permission	Delegated Permission
Read and write directory data.	<input type="radio"/>	<input type="radio"/>
Read directory data.	<input type="radio"/>	<input type="radio"/>
Access your organization's directory.	<input type="radio"/>	<input type="radio"/>
Enable sign-on and read users' profiles.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Permission	Application Permission	Delegated Permission
Read and write directory data.	<input type="radio"/>	<input checked="" type="radio"/>
Read directory data.	<input checked="" type="radio"/>	<input type="radio"/>
Access your organization's directory.	<input type="radio"/>	<input type="radio"/>
Enable sign-on and read users' profiles.	<input type="radio"/>	<input type="radio"/>

**Explanation:**

<http://msdn.microsoft.com/en-us/library/azure/dn132599.aspx>

**QUESTION 39**

Your company plans to migrate from On-Premises Exchange to Exchange Online in Office 365. You plan to integrate your existing Active Directory Domain Services (AD DS) infrastructure with Azure AD. You need to ensure that users can log in by using their existing AD DS accounts and passwords. You need to achieve this goal by using minimal additional systems. Which two actions should you perform? Each answer presents part of the solution.

- A. Configure Password Sync.
- B. Set up a DirSync Server.
- C. Set up an Active Directory Federation Services Server.
- D. Set up an Active Directory Federation Services Proxy Server.

**Answer: AB**

**Explanation:**

Directory Sync with Password Sync Scenario' Applies To: Azure, Office 365, Windows Intune  
Password sync is an extension to the Directory Sync Scenario. With directory sync, you can manage the entire lifecycle of your cloud user and group accounts using your on- premise Active Directory management tools. When password sync is enabled on your directory sync computer, your users will be able to sign into Microsoft cloud services, such as Office 365, Dynamics CRM, and Windows Intune, using the same password as they use when logging into your on-premises network. When your users change their passwords in your corporate network, those changes are synchronized to the cloud.

<http://technet.microsoft.com/en-us/library/dn441214.aspx>

**QUESTION 40**

Drag and Drop Question

You publish a multi-tenant application named MyApp to Azure Active Directory (Azure AD). You need to ensure that only directory administrators from the other organizations can access MyApp's web API. How should you configure MyApp's manifest JSON file? To answer, drag the appropriate PowerShell command to the correct location in the application's manifest JSON file. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

PowerShell command	Manifest JSON file
<input type="text" value="user_impersonation"/>	service on behalf of the signed-in user", "directAccessGrantTypes": [], "displayName": "Have full access to the Todo List service", "impersonationAccessGrantTypes": [ { "impersonated": "User", "impersonator": "Application" }, ], "isDisabled": <input type="text" value="PowerShell command"/> , "origin": "Application", "permissionId": "b69ee3c9-c40d-4f2a-ac80-961cd1534e40", "resourceScopeType": " <input type="text" value="PowerShell command"/> , "userConsentDescription": "Allow the application full access to the todo service on your behalf", "userConsentDisplayName": "Have full access to the todo service" }, ], }
<input type="text" value="application_impersonation"/>	
<input type="text" value="False"/>	
<input type="text" value="True"/>	
<input type="text" value="Personal"/>	
<input type="text" value="Global"/>	

**Answer:**

PowerShell command	Manifest JSON file
<input type="text" value="user_impersonation"/>	<pre>service on behalf of the signed-in user",   "directAccessGrantTypes": [],   "displayName": "Have full access to the Todo List service",   "impersonationAccessGrantTypes": [     {       "impersonated": "User",       "impersonator": "Application"     }   ],   "isDisabled": <input type="text" value="False"/>,   "origin": "Application",   "permissionId": "b69ee3c9-c40d-4f2a-ac80-961cd1534e40",   "resourceScopeType": "<input type="text" value="Global"/>,   "userConsentDescription": "Allow the application full access to the   todo service on your behalf",   "userConsentDisplayName": "Have full access to the todo service" }, ],</pre>

**QUESTION 41**

You manage a software-as-a-service application named SaaSApp1 that provides user management features in a multi-directory environment. You plan to offer SaaSApp1 to other organizations that use Azure Active Directory. You need to ensure that SaaSApp1 can access directory objects. What should you do?

- A. Configure the Federation Metadata URL.
- B. Register SaaSApp1 as a native client application.
- C. Register SaaSApp1 as a web application.
- D. Configure the Graph API.

**Answer: D**

**Explanation:**

The Azure Active Directory Graph API provides programmatic access to Azure AD through REST API endpoints. Applications can use the Graph API to perform create, read, update, and delete (CRUD) operations on directory data and objects. For example, the Graph API supports the following common operations for a user object:

/ Create a new user in a directory

/ Get a user's detailed properties, such as their groups / Update a user's properties, such as their location and phone number, or change their password

/ Check a user's group membership for role-based access / Disable a user's account or delete it entirely

<http://msdn.microsoft.com/en-us/library/azure/hh974476.aspx>

**QUESTION 42**

You administer an Azure Active Directory (Azure AD) tenant where Box is configured for:

- Application Access
- Password Single Sign-on

An employee moves to an organizational unit that does not require access to Box through the Access Panel. You need to remove only Box from the list of applications only for this user. What should you do?

- A. Delete the user from the Azure AD tenant.
- B. Delete the Box Application definition from the Azure AD tenant.

- C. From the Management Portal, remove the user's assignment to the application.
- D. Disable the user's account in Windows AD.

**Answer: C**

**Explanation:**

Note: Use Azure AD to manage user access, provision user accounts, and enable single sign-on with Box. Requires an existing Box subscription.

**QUESTION 43**

You administer an Azure Active Directory (Azure AD) tenant that has a SharePoint web application named TeamSite1. TeamSite1 accesses your Azure AD tenant for user information. The application access key for TeamSite1 has been compromised. You need to ensure that users can continue to use TeamSite1 and that the compromised key does not allow access to the data in your Azure AD tenant. Which two actions should you perform? Each correct answer presents part of the solution.

- A. Remove the compromised key from the application definition for TeamSite1.
- B. Delete the application definition for TeamSite1.
- C. Generate a new application key for TeamSite1.
- D. Generate a new application definition for TeamSite1.
- E. Update the existing application key.

**Answer: AC**

**Explanation:**

One of the security aspects of Windows Azure storage is that all access is protected by access keys. It is possible to change the access keys (e.g. if the keys become compromised), and if changed, we'd need to update the application to have the new key.

**QUESTION 44**

You administer a DirSync server configured with Azure Active Directory (Azure AD). You need to provision a user in Azure AD without waiting for the default DirSync synchronization interval. What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

- A. Restart the DirSync server.
- B. Run the Start-OnlineCoexistenceSync PowerShell cmdlet.
- C. Run the Enable-SyncShare PowerShell cmdlet.
- D. Run the Azure AD Sync tool Configuration Wizard.
- E. Replicate the Directory in Active Directory Sites and Services.

**Answer: BD**

**Explanation:**

If you don't want to wait for the recurring synchronizations that occur every three hours, you can force directory synchronization at any time.

B: Force directory synchronization using Windows PowerShell. You can use the directory synchronization Windows PowerShell cmdlet to force synchronization. The cmdlet is installed when you install the Directory Sync tool. On the computer that is running the Directory Sync tool, start PowerShell, type `Import-Module DirSync`, and then press ENTER. Type `Start-OnlineCoexistenceSync`, and then press ENTER.

D: Azure Active Directory Sync Services (AAD Sync) In September 2014 the Microsoft Azure AD Sync tool was released. This changed how manual sync requests are issued. To perform a manual update we now use the `DirectorySyncClientCmd.exe` tool. The Delta and Initial parameters are added to the command to specify the relevant task. This tool is located in:

C:\Program Files\Microsoft Azure AD Sync\Bin

You can use the directory synchronization Windows PowerShell cmdlet to force synchronization. The cmdlet is installed when you install the Directory Sync tool. On the computer that is running the Directory Sync tool, start PowerShell, type Import-Module DirSync, and then press ENTER. Type Start-OnlineCoexistenceSync, and then press ENTER.

#### **QUESTION 45**

##### Hotspot Question

You manage an Internet Information Services (IIS) 6 website named contososite1. Contososite1 runs a legacy ASP.NET 1.1 application named LegacyApp1. LegacyApp1 does not contain any integration with any other systems or programming languages. You deploy contososite1 to Azure Web Sites. You need to configure Azure Web Sites. You have the following requirements:

- LegacyApp1 runs correctly.
- The application pool does not recycle.

Which settings should you configure to meet the requirements? To answer, select the appropriate settings in the answer area.

general

.NET FRAMEWORK VERSION

V3.5

V4.5

PHP VERSION

OFF

5.3

5.4

5.5

JAVA VERSION

OFF

1.7.0\_51

PYTHON VERSION

OFF

2.7.3

3.4.0

MANAGED PIPELINE MODE

CLASSIC

INTEGRATED

PLATFORM

32-BIT

64-BIT

WEB SOCKETS

ON

OFF

ALWAYS ON

ON

OFF

**Answer:**



general

.NET FRAMEWORK VERSION

☒ V3.5 ☐ V4.5

PHP VERSION

☒ OFF ☐ 5.3 ☐ 5.4 ☐ 5.5

JAVA VERSION

☒ OFF ☐ 1.7.0\_51

PYTHON VERSION

☒ OFF ☐ 2.7.3 ☐ 3.4.0

MANAGED PIPELINE MODE

☒ CLASSIC ☐ INTEGRATED

PLATFORM

☒ 32-BIT ☐ 64-BIT

WEB SOCKETS

☐ ON ☒ OFF

ALWAYS ON

☒ ON ☐ OFF

**Explanatio:**

<http://msdn.microsoft.com/en-us/library/k6h9cz8h%28v=vs.140%29.aspx>

**QUESTION 46**

Drag and Drop Question

Your company manages several Azure Web Sites that are running in an existing web-hosting plan named plan1. You need to move one of the websites, named contoso, to a new web-hosting plan named plan2. Which Azure PowerShell cmdlet should you use with each PowerShell command line? To answer, drag the appropriate Azure PowerShell cmdlet to the correct location in the PowerShell code. Each PowerShell cmdlet may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

**PowerShell cmdlets**

New-AzureResource

Set-AzureResource

plan1

plan2

Microsoft.Web/serverFarms

Microsoft.Web/sites

**PowerShell code**

```
PS C:\> $props = @{"serverfarm" = " PowerShell cmdlet ";}  
PS C:\> PowerShell cmdlet -name contoso  
-ResourceGroup group1 -PropertyObject $props -ResourceType  
PowerShell cmdlet -apiversion 2014-04-01
```

**Answer:**

**PowerShell cmdlets**

New-AzureResource

Set-AzureResource

plan1

plan2

Microsoft.Web/serverFarms

Microsoft.Web/sites

**PowerShell code**

```
PS C:\> $props = @{"serverfarm" = " plan2 ";}  
PS C:\> Set-AzureResource -name contoso  
-ResourceGroup group1 -PropertyObject $props -ResourceType  
Microsoft.Web/sites -apiversion 2014-04-01
```

**QUESTION 47**

You administer an Azure Web Site named contosoweb that is used to sell various products. Contosoweb experiences heavy traffic during weekends. You need to analyze the response time of the product catalog page during peak times, from different locations. What should you do?

- A. Configure endpoint monitoring.
- B. Add the Requests metric.
- C. Turn on Failed Request Tracing.
- D. Turn on Detailed Error Messages.

**Answer: A**

**Explanation:**

Endpoint monitoring configures web tests from geo-distributed locations that test response time and uptime of web URLs. The test performs an HTTP get operation on the web URL to determine the response time and uptime from each location. Each configured location runs a test every five minutes. After you configure endpoint monitoring, you can drill down into the individual endpoints to view details response time and uptime status over the monitoring interval from each of the test location.

<http://azure.microsoft.com/en-us/documentation/articles/web-sites-monitor/#webendpointstatus>

**QUESTION 48**

Hotspot Question

You manage an Azure Web Site for a consumer-product company. The website runs in Standard mode on a single medium instance. You expect increased traffic to the website due to an upcoming sale during a holiday weekend. You need to ensure that the website performs optimally when user activity is at its highest. Which option should you select? To answer, select the appropriate option in the answer area.

INSTANCE SIZE: Small (1 core, 1.75 GB Memory)

EDIT SCALE SETTINGS FOR SCHEDULE: Recurring schedules (Weekday, Weekend)

SCALE BY METRIC: NONE, CPU

INSTANCES: 1.0

set up schedule times

**Answer:**

INSTANCE SIZE: Small (1 core, 1.75 GB Memory)

EDIT SCALE SETTINGS FOR SCHEDULE: Recurring schedules (Weekday, Weekend)

SCALE BY METRIC: NONE, CPU

INSTANCES: 1.0

set up schedule times

**Explanation:**

Note: The 'small' instance is selected. This setting would be for the weekdays. Then you would select a larger instance for the 'weekend' schedule setting to cover the increased activity.

**QUESTION 49**

Your company has a subscription to Azure. You configure your contoso.com domain to use a private Certificate Authority. You deploy a web site named MyApp by using the Shared (Preview) web hosting plan. You need to ensure that clients are able to access the MyApp website by using https. What should you do?

- A. Back up the Site and import into a new website.
- B. Use the internal Certificate Authority and ensure that clients download the certificate chain.
- C. Add custom domain SSL support to your current web hosting plan.
- D. Change the web hosting plan to Standard.

**Answer: D**

**Explanation:**

Enabling HTTPS for a custom domain is only available for the Standard web hosting plan mode of Azure websites.

<http://azure.microsoft.com/en-us/pricing/details/websites/>

**QUESTION 50**

Drag and Drop Question

You administer an Azure Web Site named contosoweb that uses a production database. You deploy changes to contosoweb from a deployment slot named contosoweb-staging. You discover

issues in contoso-web that are affecting customer data. You need to resolve the issues in contoso-web while ensuring minimum downtime for users. You swap contoso-web to contoso-web-staging. Which four steps should you perform next in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Swap contoso-web-staging to contoso-web.	
Point contoso-web to the production database.	
Point contoso-web-staging to the test database.	
Fix the issues in contoso-web.	
Fix the issues in contoso-web-staging.	
Point contoso-web-staging to the production database.	
Point contoso-web to the test database.	

**Answer:**

Actions	Answer Area
Swap contoso-web-staging to contoso-web.	Point contoso-web to the production database.
Point contoso-web to the production database.	Point contoso-web-staging to the test database.
Point contoso-web-staging to the test database.	Fix the issues in contoso-web-staging.
Fix the issues in contoso-web.	Swap contoso-web-staging to contoso-web.
Fix the issues in contoso-web-staging.	
Point contoso-web-staging to the production database.	
Point contoso-web to the test database.	

### QUESTION 51

Drag and Drop Question

You manage an Azure Web Site named salessite1. You notice some performance issues with salessite1. You create a new database for salessite1. You need to update salessite1 with the following changes, in the order shown:

1. Display the list of current connection strings.

2. Create a new connection string named conn1 with a value of:

```
Server=tcp:sample1.database.windows.net,1433;
```

```
Database=NewDB;
```

```
User ID=User@sample1;
```

```
Password=Password1;
```

```
Trusted_Connection=False;
```

```
Encrypt=True;
```

```
Connection Timeout=30;.
```

3. Download the application logs for analysis.

Which three xplat-cli commands should you perform in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Command	Answer Area
site connectionstring show "conn1" "Server=tcp:sample1.database.windows.net,1433;Database=NewDB;User ID=User@sample1;Password=Password1;Trusted_Connection=False;Encrypt=True;Connection Timeout=30;" "SQLAzure" salessite1	
site log download salessite1	
site log tail salessite1	
site connectionstring show salessite1	
site connectionstring add "conn1" "Server=tcp:sample1.database.windows.net,1433;Database=NewDB;User ID=User@sample1;Password=Password1;Trusted_Connection=False;Encrypt=True;Connection Timeout=30;" "SQLAzure" salessite1	
site connectionstring list salessite1	

**Answer:**

Command	Answer Area
<pre>site connectionstring show "conn1" "Server=tcp:sample1.database.windows.net,1433;Database=NewDB;User ID=User@sample1;Password=Password1;Trusted_Connection=False;Encrypt=True;Connection Timeout=30;" "SQLAzure" salessite1</pre>	<pre>site connectionstring list salessite1</pre>
<pre>site log download salessite1</pre>	<pre>site connectionstring add "conn1" "Server=tcp:sample1.database.windows.net,1433;Database=NewDB;User ID=User@sample1;Password=Password1;Trusted_Connection=False;Encrypt=True;Connection Timeout=30;" "SQLAzure" salessite1</pre>
<pre>site log tail salessite1</pre>	
<pre>site connectionstring show salessite1</pre>	
<pre>site connectionstring add "conn1" "Server=tcp:sample1.database.windows.net,1433;Database=NewDB;User ID=User@sample1;Password=Password1;Trusted_Connection=False;Encrypt=True;Connection Timeout=30;" "SQLAzure" salessite1</pre>	<pre>site log download salessite1</pre>
<pre>site connectionstring list salessite1</pre>	

## QUESTION 52

### Hotspot Question

You manage an Azure Service Bus for your company. You plan to enable access to the Azure Service Bus for an application named ContosoLOB. You need to create a new shared access policy for subscriptions and queues that has the following requirements:

- Receives messages from a queue
- Deadletters a message
- Defers a message for later retrieval
- Enumerates subscriptions
- Gets subscription description

In the table below, identify the permission you need to assign to ensure that ContosoLOB is able to accomplish the above requirements. Make only one selection in each column.



**Answer Area**

Access Level	Queues	Subscriptions
Send	<input type="radio"/>	<input type="radio"/>
Listen	<input type="radio"/>	<input type="radio"/>
Manage	<input type="radio"/>	<input type="radio"/>

**Answer:**

**Answer Area**

Access Level	Queues	Subscriptions
Send	<input type="radio"/>	<input type="radio"/>
Listen	<input checked="" type="radio"/>	<input type="radio"/>
Manage	<input type="radio"/>	<input checked="" type="radio"/>

**Explanation:**

<http://msdn.microsoft.com/en-us/library/azure/dn205160.aspx>

**QUESTION 53**

Your network includes a legacy application named LegacyApp1. The application only runs in the Microsoft .NET 3.5 Framework on Windows Server 2008. You plan to deploy to Azure Cloud Services. You need to ensure that LegacyApp1 will run correctly in the new environment. What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

- A. Upload a VHD with Windows Server 2008 installed.
- B. Deploy LegacyApp1 to a cloud service instance configured with Guest OS Family 2.
- C. Deploy LegacyApp1 to a cloud service instance configured with Guest OS Family 1.
- D. Deploy LegacyApp1 to a cloud service instance configured with Guest OS Family 3.

**Answer:** BC

**Explanation:**

Guest OS Family 1 and Guest OS Family 2 supports .NET 3.5 and .Net 4.0. Guest OS Family 3

and Guest OS Family 4 supports .NET 4.0 and .Net 4.5.  
<http://msdn.microsoft.com/en-us/library/azure/ee924680.aspx>

**QUESTION 54**

Drag and Drop Question

You administer a cloud service named contosoapp that has a web role and worker role. Contosoapp requires you to perform an in-place upgrade to the service. You need to ensure that at least six worker role instances and eight web role instances are available when you apply upgrades to the service. You also need to ensure that updates are completed for all instances by using the least amount of time. Which value should you use with each configuration? To answer, drag the appropriate value to the correct configuration. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Values	Configuration
1	Web role instances
3	
4	Worker role instances
6	
8	Upgrade domains
9	
12	

**Answer:**

Values	Configuration
1	Web role instances
3	
4	Worker role instances
6	
8	Upgrade domains
9	
12	

**Explanation:**

\* Scenario:

You need to ensure that at least six worker role instances and eight web role instances are available when you apply upgrades to the service.

\* You can decide whether you want to update all of the roles in your service or a single role in the service. In either case, all instances of each role that is being upgraded and belong to the first upgrade domain are stopped, upgraded, and brought back online. Once they are back online, the instances in the second upgrade domain are stopped, upgraded, and brought back online.

**QUESTION 55**

You migrate a Windows Server .NET web application to Azure Cloud Services. You need enable trace logging for the application. Which two actions should you perform? Each correct answer presents part of the solution.

- A. Update the service definition file.
- B. Update the Azure diagnostics configuration.
- C. Update the service configuration file.
- D. Enable verbose monitoring.
- E. Update the application web.config file.

**Answer: AB**

**Explanation:**

You can use Azure logging right out of the box--it's part of Azure SDK.

A: Azure Service Definition Schema (.csdef File) The service definition file defines the service model for an application. The file contains the definitions for the roles that are available to a cloud service, specifies the service endpoints, and establishes configuration settings for the service.

B: Take Control of Logging and Tracing in Microsoft Azure The Microsoft.WindowsAzure.Diagnostics namespace, which inherits from and extends standard System.Diagnostics classes, enables the use of System.Diagnostics as a logging framework in Azure environment.

<http://msdn.microsoft.com/en-us/library/azure/ee758711.aspx>

<http://msdn.microsoft.com/en-us/magazine/ff714589.aspx>

**QUESTION 56**

Drag and Drop Question

You plan to deploy a cloud service named contosoapp. The service includes a web role named contosowebrole. The web role has an endpoint named restrictedEndpoint. You need to allow access to restricted Endpoint only from your office machine using the IP address 145.34.67.82. Which values should you use within the service configuration file? To answer, drag the appropriate value to the correct location in the service configuration file. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

**Values**

- permit
- deny
- 145.34.67.82/32
- 0.0.0.0/0
- 145.34.67.82/1
- 0.0.0.0/32

**Service Configuration File**

```
<NetworkConfiguration>
  <AccessControls>
    <AccessControl name="test">
      <Rule action="Value" " order="2'
remoteSubnet="Value" " />
      <Rule action="Value" " order="1'
remoteSubnet="Value" " />
    </AccessControl>
  </AccessControls>
  <EndpointAcls>
    <EndpointAcl
role="contosowebrole" accessControl="test" endPoint=
"restrictedEndpoint"/>
  </EndpointAcls>
</NetworkConfiguration>
```

**Answer:**

Values	Service Configuration File
permit	<NetworkConfiguration>
deny	<AccessControls>
145.34.67.82/32	<AccessControl name="test">
0.0.0.0/0	<Rule action="deny" " order="2"
145.34.67.82/1	remoteSubnet="0.0.0.0/0" />
0.0.0.0/32	<Rule action="permit" " order="1"
	remoteSubnet="145.34.67.82/32" />
	</AccessControl>
	</AccessControls>
	<EndpointAcls>
	<EndpointAcl
	role="contosowebservice" accessControl="test" endPoint="restrictedEndpoint"/>
	</EndpointAcls>
	</NetworkConfiguration>

#### QUESTION 57

You manage a cloud service that utilizes an Azure Service Bus queue. You need to ensure that messages that are never consumed are retained. What should you do?

- A. Check the MOVE TO THE DEAD-LETTER SUBQUEUE option for Expired Messages in the Azure Portal.
- B. From the Azure Management Portal, create a new queue and name it Dead-Letter.
- C. Execute the Set-AzureServiceBus PowerShell cmdlet.
- D. Execute the New-AzureSchedulerStorageQueueJob PowerShell cmdlet.

**Answer: A**

**Explanation:**

The EnableDeadLetteringOnMessageExpiration property allows to enable\disable the dead-lettering on message expiration.

#### QUESTION 58

You manage a web application published to Azure Cloud Services. Your service level agreement (SLA) requires that you are notified in the event of poor performance from customer locations in the US, Asia, and Europe. You need to configure the Azure Management Portal to notify you when the SLA performance targets are not met. What should you do?

- A. Create an alert rule to monitor web endpoints.
- B. Create a Notification Hub alert with response time metrics.
- C. Add an endpoint monitor and alert rule to the Notification Hub.
- D. Configure the performance counter on the cloud service.

**Answer: A**

**Explanation:**

\* An alert rule enables you to monitor an available metric within a supported Azure service. When the value of a specified metric violates the threshold assigned for a rule, the alert rule becomes active and registers an alert. When you create an alert rule, you can select options to send an email notification to the service administrator and co-administrators, or another administrator, when the

rule becomes active, and when an alert condition is resolved.

\* You can configure cloud service alert rules on:

- Web endpoint status metrics
- Monitoring metrics from the cloud service host operating system Performance counters collected from the cloud service guest virtual machine

<http://msdn.microsoft.com/en-us/library/azure/dn306639.aspx>

#### **QUESTION 59**

You manage a cloud service that hosts a customer-facing application. The application allows users to upload images and create collages. The cloud service is running in two medium instances and utilizes Azure Queue storage for image processing. The storage account is configured to be locally redundant. The sales department plans to send a newsletter to potential clients. As a result, you expect a significant increase in global traffic. You need to recommend a solution that meets the following requirements:

- Configure the cloud service to ensure the application is responsive to the traffic increase.
- Minimize hosting and administration costs.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

- A. Configure the cloud service to run in two Large instances.
- B. Configure the cloud service to auto-scale to three instances when processor utilization is above 80%.
- C. Configure the storage account to be geo-redundant.
- D. Deploy a new cloud service in a separate data center.  
Use Azure Traffic Manager to load balance traffic between the cloud services.
- E. Configure the cloud service to auto-scale when the queue exceeds 1000 entries per machine.

**Answer: BE**

**Explanation:**

\* An autoscaling solution reduces the amount of manual work involved in dynamically scaling an application. It can do this in two different ways: either preemptively by setting constraints on the number of role instances based on a timetable, or reactively by adjusting the number of role instances in response to some counter(s) or measurement(s) that you can collect from your application or from the Azure environment.

#### **QUESTION 60**

You manage a cloud service on two instances. The service name is Service1 and the role name is ServiceRole1. Service1 has performance issues during heavy traffic periods. You need to increase the existing deployment of Service1 to three instances. Which Power Shell cmdlet should you use?

- A. PS C:\>Set-AzureService -ServiceName "Service1" -Label "ServiceRole1" -Description "Instance count=3"
- B. PS C:\>Set-AzureRole -ServiceName "Service1" -Slot "Production" -RoleName "ServiceRole1" -Count 3
- C. PS C:\>Add-AzureWebRole -Name 'ServiceRole1' -Instances 3
- D. PS C:\>\$instancecount = New-Object Hashtable\$settings["INSTANCECOUNT=3"]  
PS C:\>Set-AzureWebsite -AppSettings \$instancecount ServiceRole1

**Answer: B**

**Explanation:**

The Set-AzureRole cmdlet sets the number of instances of a specified role to run in an Azure deployment. Example:

This command sets the "MyTestRole3" role running in production on the "MySvc1" service to three instances.

Windows PowerShell

C:\PS>Set-AzureRole -ServiceName "MySvc1" -Slot "Production" -RoleName

"MyTestRole3" -Count 3

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