

- **Vendor: Microsoft**
- **Exam Code: 70-533**
- **Exam Name: Implementing Microsoft Azure Infrastructure Solutions**
- **Question 61 – Question 90**

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QUESTION 61

Drag and Drop Question

You plan to deploy a cloud service named contosoapp that has a web role named contosoappweb and a worker role named contosoimagepurge. You need to ensure the service meets the following requirements:

- Contosoappweb can be accessed over the Internet by using http.
- Contosoimagepurge can only be accessed through tcp port 5001 from contosoappweb.
- Contosoimagepurge cannot be accessed directly over the Internet.

Which configuration should you use? To answer, drag the appropriate configuration setting to the correct location in the service configuration file. Each configuration setting 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.

Configuration Settings	Service Configuration File
<pre><InputEndpoint name="Endpoint1" protocol="http" port="80" /></pre>	<pre><ServiceDefinition name="contosoapp"> <WebRole name="contosoappweb" vmSize="Small"> Configuration setting </WebRole> <WorkerRole name="contosoimagepurge" vmSize="Small"> Endpoints Configuration setting </WorkerRole> <NetworkTrafficRules> <OnlyAllowTrafficTo> Configuration setting </OnlyAllowTrafficTo> </NetworkTrafficRules> </ServiceDefinition></pre>
<pre><InternalEndpoint name="Endpoint1" protocol="http" port="80" /></pre>	
<pre><InputEndpoint name="Endpoint1" protocol="tcp" port="5001" /></pre>	
<pre><Destinations> <RoleEndpoint endpointName="Endpoint1" roleName="contosoimagepurge"/> </Destinations> <WhenSource matches="AnyRule"> <FromRole roleName="contosoappweb"/> </WhenSource></pre>	
<pre><Destinations> <RoleEndpoint endpointName="Endpoint1" roleName="contosoimagepurge"/> </Destinations> <AllowAllTraffic/></pre>	

Answer:

Configuration Settings

```
<InputEndpoint name="Endpoint1" protocol="http" port="80" />
```

```
<InternalEndpoint name="Endpoint1" protocol="http" port="80" />
```

```
<InputEndpoint name="Endpoint1" protocol="tcp" port="5001" />
```

```
<Destinations>
  <RoleEndpoint endpointName="EndPoint1" roleName="contosoimagepurge"/>
</Destinations>
<WhenSource matches="AnyRule">
  <FromRole roleName="contosoimagepurge"/>
</WhenSource>
```

```
<Destinations>
  <RoleEndpoint endpointName="EndPoint1" roleName="contosoimagepurge"/>
</Destinations>
<AllowAllTraffic/>
```

Service Configuration File

```
<ServiceDefinition name="contosoapp">
  <WebRole name="contosoimagepurge" vmSize="Small">
```

```
<InputEndpoint name="Endpoint1" protocol="http" port="80" />
```

```
</Endpoints>
</WebRole>
<WorkerRole name="contosoimagepurge" vmSize="Small">
  <Endpoints>
```

```
<InputEndpoint name="Endpoint1" protocol="tcp" port="5001" />
```

```
</Endpoints>
</WorkerRole>
<NetworkTrafficRules>
  <OnlyAllowTrafficTo>
```

```
<Destinations>
  <RoleEndpoint endpointName="EndPoint1" roleName="contosoimagepurge"/>
</Destinations>
<WhenSource matches="AnyRule">
  <FromRole roleName="contosoimagepurge"/>
</WhenSource>
```

```
</OnlyAllowTrafficTo>
</NetworkTrafficRules>
</ServiceDefinition>
```

Explanation:

<http://www.codeproject.com/Articles/331391/Azure-Role-Endpoints-and-Network-Traffic-Rules>

QUESTION 62

Your company network includes two branch offices. Users at the company access internal virtual machines (VMs). You want to ensure secure communications between the branch offices and the internal VMs and network. You need to create a site-to-site VPN connection. What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

- A. a private IPv4 IP address and a compatible VPN device
- B. a private IPv4 IP address and a RRAS running on Windows Server 2012
- C. a public-facing IPv4 IP address and a compatible VPN device
- D. a public-facing IPv4 IP address and a RRAS running on Windows Server 2012

Answer: CD

Explanation:

C (not A): VPN Device IP Address - This is public facing IPv4 address of your on-premises VPN device that you'll use to connect to Azure. The VPN device cannot be located behind a NAT.

D (Not B): At least one or preferably two publicly visible IP addresses: One of the IP addresses is used on the Windows Server 2012 machine that acts as the VPN device by using RRAS. The other optional IP address is to be used as the Default gateway for out-bound traffic from the on-premises network. If the second IP address is not available, it is possible to configure network address translation (NAT) on the RRAS machine itself, to be discussed in the following sections. It is important to note that the IP addresses must be public. They cannot be behind NAT and/or a firewall.

QUESTION 63

You manage a large datacenter that has limited physical space. You plan to extend your datacenter to Azure. You need to create a connection that supports a multiprotocol label switching (MPLS) virtual private network. Which connection type should you use?

- A. Site-to-site

- B. VNet-VNet
- C. ExpressRoute.
- D. Site-to-peer

Answer: C

Explanation:

ExpressRoute provides even richer capabilities by allowing a dedicated MPLS connection to Azure.
<http://azure.microsoft.com/en-us/services/expressroute/>

QUESTION 64

You manage a cloud service named fabrikam Reports that is deployed in an Azure data center. You deploy a virtual machine (VM) named fabrikamSQL into a virtual network named fabrikamVNet. FabrikamReports must communicate with fabrikamSQL. You need to add fabrikam Reports to fabrikamVNet. Which file should you modify?

- A. the network configuration file for fabrikamVNet
- B. the service definition file (.csdef) for fabrikamReports
- C. the service definition file (.csdef) for fabrikamSQL
- D. the service configuration file (.cscfg) for fabrikamReports
- E. the service configuration file (.cscfg) fabrikamSQL

Answer: B

Explanation:

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.

Incorrect:

not D, not E: The service configuration file (.cscfg) specifies the number of role instances to deploy for each role in the service, the values of any configuration settings, and the thumbprints for any certificates associated with a role.

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

QUESTION 65

You manage an application deployed to virtual machines (VMs) on an Azure virtual network named corpVnet1. You plan to hire several remote employees who will need access to the application on corpVnet1. You need to ensure that new employees can access corpVnet1. You want to achieve this goal by using the most cost effective solution. Which two actions should you perform? Each correct answer presents part of the solution.

- A. Create a VPN subnet.
- B. Enable point-to-point connectivity for corpVnet1.
- C. Enable point-to-site connectivity for corpVnet1.
- D. Create a gateway subnet.
- E. Enable site-to-site connectivity for corpVnet1.
- F. Convert corpVnet1 to a regional virtual network.

Answer: CD

Explanation:

Add gateway subnet - The gateway subnet is required for a point-to-site VPN. Click to add the gateway subnet. The gateway subnet is used only for the virtual network gateway.

<http://msdn.microsoft.com/en-us/library/azure/dn643737.aspx>

<https://azure.microsoft.com/en-us/documentation/articles/web-sites-integrate-with-vnet/>

QUESTION 66

Drag and Drop Question

You have an Azure Virtual Network named fabVNet with three subnets named Subnet-1, Subnet-2 and Subnet-3. You have a virtual machine (VM) named fabVM running in the fabProd service. You need to modify fabVM to be deployed into Subnet-3. You want to achieve this goal by using the least amount of time and while causing the least amount of disruption to the existing deployment. What should you do? To answer, drag the appropriate Power Shell cmdlet to the correct location in the Power Shell command. Each 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	PowerShell Command
Get-AzureVM	PS C:\> \$VM = PowerShell cmdlet "fabProd" "fabVM"
Get-AzureVMImage	PS C:\> PowerShell cmdlet "Subnet-3" -VM \$VM
Set-AzureSubnet	PS C:\> PowerShell cmdlet "fabProd" "fabVM" -VM \$VM
Update-AzureVM	
New-AzureVM	
Set-AzureVNetConfig	
Update-AzureVMImage	

Answer:

PowerShell cmdlets	PowerShell Command
Get-AzureVM	PS C:\> \$VM = Get-AzureVM "fabProd" "fabVM"
Get-AzureVMImage	PS C:\> Set-AzureSubnet "Subnet-3" -VM \$VM
Set-AzureSubnet	PS C:\> Update-AzureVM "fabProd" "fabVM" -VM \$VM
Update-AzureVM	
New-AzureVM	
Set-AzureVNetConfig	
Update-AzureVMImage	

QUESTION 67

Hotspot Question

You manage an Azure Web Site named contosoweb. Some users report that they receive the following error when they access contosoweb: "http Status 500.0 - Internal Server Error." You need

to view detailed diagnostic information in XML format. Which option should you enable? To answer, select the appropriate option in the answer area.

Answer Area

Application diagnostics

APPLICATION LOGGING (FILESYSTEM) ☐ OFF ☐ ON

Site diagnostics

WEB SERVER LOGGING ☐ OFF ☐ ON

DETAILED ERROR MESSAGES ☐ OFF ☐ ON

FAILED REQUEST TRACING ☐ OFF ☐ ON

Answer:

Answer Area

Application diagnostics

APPLICATION LOGGING (FILESYSTEM) ☐ OFF ☐ ON

Site diagnostics

WEB SERVER LOGGING ☐ OFF ☐ ON

DETAILED ERROR MESSAGES ☐ OFF ☐ ON

FAILED REQUEST TRACING ☐ OFF ☐ ON

Explanation:

Request-based tracing is available both in stand-alone IIS Servers and on Windows Azure Web Sites (WAWS) and provides a way to determine what exactly is happening with your requests and why, provided that you can reproduce the problem that you are experiencing. Problems like poor performance on some requests, or authentication-related failures on other requests, or the server 500 error from ASP or ASP.NET can often be difficult to troubleshoot--unless you have captured the trace of the problem when it occurs.

QUESTION 68

Drag and Drop Question

You manage an Azure Web Site named contososite. You download the subscription publishing credentials named Contoso-Enterprise.publishsettings. You need to use Azure Power Shell to achieve the following:

- Connect to the Contoso-Enterprise subscription.
- Create a new App Setting named CustomSetting with a value of True.

- Restart the website.

Which commands should you use? To answer, drag the appropriate Azure PowerShell command to the correct location in the solution. Each command 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.

Azure PowerShell Commands	Solution
Set-AzureWebsite	PS C:\> <input type="text" value="Azure PowerShell Command"/> c:\Contoso\Enterprise.publishsettings
Get-AzurePublishSettingsFile	PS C:\> Select-AzureSubscription Contoso-Enterprise
Import-AzurePublishSettingsFile	PS C:\> \$setting = @{"IsCustom" = "true"}
Start-AzureWebsite	PS C:\> <input type="text" value="Azure PowerShell Command"/> contososite --AppSettings \$setting
Restart-AzureWebsite	PS C:\> <input type="text" value="Azure PowerShell Command"/> contososite
Show-AzureWebsite	

Answer:

Azure PowerShell Commands	Solution
Set-AzureWebsite	PS C:\> <input type="text" value="Import-AzurePublishSettingsFile"/> c:\Contoso\Enterprise.publishsettings
Get-AzurePublishSettingsFile	PS C:\> Select-AzureSubscription Contoso-Enterprise
Import-AzurePublishSettingsFile	PS C:\> \$setting = @{"IsCustom" = "true"}
Start-AzureWebsite	PS C:\> <input type="text" value="Set-AzureWebsite"/> contososite --AppSettings \$setting
Restart-AzureWebsite	PS C:\> <input type="text" value="Restart-AzureWebsite"/> contososite
Show-AzureWebsite	

QUESTION 69

Your company has a subscription to Azure. You plan to deploy 10 websites. You have the following requirements:

- Each website has at least 15 GB of storage.
- All websites can use azurewebsite.net.

You need to deploy the 10 websites while minimizing costs. Which web tier plan should you recommend?

- A. Free
- B. Small Business
- C. Standard
- D. Basic

Answer: C

Explanation:

Standard offers 50 GB of storage space, while Basic only gives 10 GB:

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

<http://azure.microsoft.com/en-us/documentation/articles/azure-subscription-service-limits/>

QUESTION 70

Drag and Drop Question

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<http://www.passleader.com/70-533.html>

You manage a solution deployed in two Azure subscriptions for testing and production. Both subscriptions have virtual networks named fabVNet. You plan to add two new virtual machines (VMs) in a new subnet. You have the following requirements:

- Deploy the new VMs to the virtual network in the testing subscription.
- Minimize any errors in defining the network changes.
- Minimize the work that will be required when the change is made to the production virtual network.

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

Action	Answer Area
Add an accessibility group to the network configuration file.	
Add a subnet to the Virtual Network using the Management Portal.	
Deploy the new VMs to the new subnet.	
Add an accessibility group to the Virtual Network using the Management Portal.	
Deploy the new VMs to the new accessibility group.	
Export the network configuration.	
Add a subnet to the network configuration file.	
Import the network configuration.	

Answer:

Action	Answer Area
Add an accessibility group to the network configuration file.	Add a subnet to the network configuration file.
Add a subnet to the Virtual Network using the Management Portal.	Import the network configuration.
Deploy the new VMs to the new subnet.	Deploy the new VMs to the new subnet.
Add an accessibility group to the Virtual Network using the Management Portal.	
Deploy the new VMs to the new accessibility group.	
Export the network configuration.	
Add a subnet to the network configuration file.	
Import the network configuration.	

QUESTION 71

You administer an Azure Web Site named contoso. The development team has implemented changes to the website that need to be validated. You need to validate and deploy the changes with minimum downtime to users. What should you do first?

- A. Create a new Linked Resource.
- B. Configure Remote Debugging on contoso.
- C. Create a new website named contosoStaging.
- D. Create a deployment slot named contosoStaging.
- E. Back up the contoso website to a deployment slot.

Answer: D

Explanation:

When you deploy your application to Azure Websites, you can deploy to a separate deployment slot instead of the default production slot, which are actually live sites with their own hostnames. Furthermore, you can swap the sites and site configurations between two deployment slots, including the production slot. Deploying your application to a deployment slot has the following benefits:

- * You can validate website changes in a staging deployment slot before swapping it with the production slot.
- * After a swap, the slot with previously staged site now has the previous production site. If the changes swapped into the production slot are not as you expected, you can perform the same swap immediately to get your "last known good site" back.
- * Deploying a site to a slot first and swapping it into production ensures that all instances of the slot are warmed up before being swapped into production. This eliminates downtime when you deploy your site. The traffic redirection is seamless, and no requests are dropped as a result of swap operations.

QUESTION 72

You manage an Azure Web Site that is running in Shared mode. You discover that the website is experiencing increased average response time during periods of heavy user activity. You need to update the website configuration to address the performance issues as they occur. What should you do?

- A. Set the website to Standard mode and configure automatic scaling based on CPU utilization.
- B. Configure automatic seating during specific dates.
- C. Modify the website instance size.
- D. Configure automatic scaling based on memory utilization.
- E. Set the website to Basic mode and configure automatic scaling based on CPU utilization.

Answer: A

Explanation:

Scaling to Standard Plan Mode. Selecting Standard expands the Capacity section to reveal the Instance Size and Instance Count options, which are also available in Basic mode. The Edit Scale Settings for Schedule and Scale by Metric options are available only in Standard mode.

The screenshot displays the 'capacity' settings for an Azure Web Site. At the top, a message states 'You need to configure the autoscale service.' Below this, the 'INSTANCE SIZE' is set to 'Large (4 cores, 7 GB Memory)'. The 'EDIT SCALE SETTINGS FOR SCHEDULE' section shows 'No scheduled times' with a 'set up schedule times' button. The 'SCALE BY METRIC' section has 'NONE' selected. A line graph titled 'INSTANCES' shows the number of instances over time from Mar 19 to Mar 26, with a peak of 1 instance on Mar 26. The 'INSTANCE COUNT' section shows '1 INSTANCES RUNNING' with a slider and a '1 instances' label.

Note:

* For increased performance and throughput for your websites on Microsoft Azure, you can use the Azure Management Portal to scale your Web Hosting Plan mode from Free to Shared, Basic, or Standard.

* There are 2 options for scaling:

- Based on a Schedule
- Based on CPU usage

QUESTION 73

Drag and Drop Question

You manage an Azure Web Site in Standard mode at the following address: contoso.azurewebsites.net. Your company has a new domain for the site that needs to be accessible by Secure Socket Layer (SSL) encryption. You need to be able to add a custom domain to the Azure Web Site and assign an SSL certificate. Which three 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. More than one order of answer choices may be correct. You will receive credit for any of the correct.

Actions	Answer Area
Create a CNAME record from www.contoso.com to contoso.azurewebsites.net.	
Add www.contoso.com to the list of domain names as a custom domain.	
Add an A record in your DNS for www.contoso.com to point to the Azure Web Site IP.	
Add SSL binding for the www.contoso.com domain with the IP-based SSL option selected.	
Add SSL binding for the www.contoso.com domain with the Server Name Indication (SNI) SSL option selected.	
Create a new file that will redirect the site to the new URL and upload it to the Azure Web Site.	

Answer:

Actions	Answer Area
Create a CNAME record from www.contoso.com to contoso.azurewebsites.net.	Create a CNAME record from www.contoso.com to contoso.azurewebsites.net.
Add www.contoso.com to the list of domain names as a custom domain.	Create a new file that will redirect the site to the new URL and upload it to the Azure Web Site.
Add an A record in your DNS for www.contoso.com to point to the Azure Web Site IP.	Add SSL binding for the www.contoso.com domain with the IP-based SSL option selected.
Add SSL binding for the www.contoso.com domain with the IP-based SSL option selected.	
Add SSL binding for the www.contoso.com domain with the Server Name Indication (SNI) SSL option selected.	
Create a new file that will redirect the site to the new URL and upload it to the Azure Web Site.	

QUESTION 74

You manage an Azure Web Site named contosoweb. Logging is enabled for contosoweb. You need to view only errors from your log files in a continuous stream as they occur. Which Windows Power Shell command should you execute?

- A. Get-AzureWebSiteLog -Name contosoweb -OutBuffer Error
- B. Save-AzureWebSiteLog -Name contosoweb -Output Errors
- C. Get-AzureWebSiteLog -Name contosoweb -Tail -Message Error
- D. Get-Azure WebSiteLog -Name contosoweb -Message Error

Answer: C

Explanation:

This example starts log streaming and show error logs only.

Windows PowerShell

C:\PS>Get-AzureWebsiteLog -Tail -Message Error

<http://msdn.microsoft.com/en-us/library/dn495187.aspx>

QUESTION 75

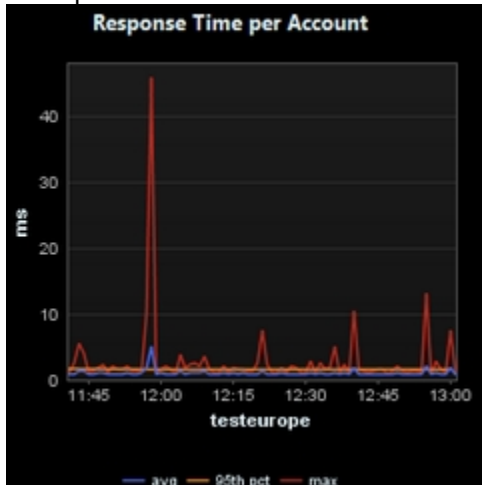
You administer a solution deployed to a virtual machine (VM) in Azure. The VM hosts a web service that is used by several applications. You are located in the US West region and have a worldwide user base. Developers in Asia report that they experience significant delays when they execute the services. You need to verify application performance from different locations. Which type of monitoring should you configure?

- A. Disk Read
- B. Endpoint
- C. Network Out
- D. CPU
- E. Average Response Time

Answer: E

Explanation:

Example:



Incorrect:

Not B: Health Endpoint Monitoring Pattern is used for checking the health of the program: Implement functional checks within an application that external tools can access through exposed endpoints at regular intervals. This pattern can help to verify that applications and services are performing correctly.

QUESTION 76

You are the administrator for three Azure subscriptions named Dev, Test, and Prod. Your Azure Power Shell profile is configured with the Dev subscription as the default. You need to create a new virtual machine in the Test subscription by using the least administrative effort. Which Power Shell command should you use?

- ☐ A. PS C:\> Select-AzureSubscription -SubscriptionName "Test"
- ☐ B. PS C:\> Set-AzureSubscription -SubscriptionName "Test" -CurrentStorageAccountName "teststorage"
PS C:\> Select-AzureSubscription "Test"
- ☐ C. PS C:\> Set-AzureSubscription "Test" -CurrentStorageAccountName "teststorage"
- ☐ D. PS C:\> Select-AzureSubscription -SubscriptionName "Test" -Default

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

Answer: A

Explanation:

Example: Set the current subscription

This command makes "ContosoEngineering" the current subscription.

Windows PowerShell

C:\PS> Select-AzureSubscription -SubscriptionName ContosoEngineering -Current
<http://msdn.microsoft.com/en-us/library/dn722499.aspx>

QUESTION 77

Drag and Drop Question

You have a virtual machine (VM) that runs in Azure. The VM is located in a geographically distant location from you. You experience performance issues when you connect to the VM. You need to resolve the performance issue. Which four actions should you perform 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
Create an Azure disk from the blob.		
Copy the VHD disk blob to the local region.		
Detach the VHD disk.		
Boot the VM from disk.	➤	⬆
Start the VM.	⬅	⬇
Stop the VM.		
Attach VHD disk to the local region.		

Answer:

Actions		Answer Area
Create an Azure disk from the blob.		Stop the VM.
Copy the VHD disk blob to the local region.		Copy the VHD disk blob to the local region.
Detach the VHD disk.		Create an Azure disk from the blob.
Boot the VM from disk.	➤	Boot the VM from disk.
Start the VM.	⬅	
Stop the VM.		
Attach VHD disk to the local region.		

QUESTION 78

Drag and Drop Question

You administer a virtual machine (VM) that is deployed to Azure. The VM hosts a web service that is used by several applications. You need to ensure that the VM sends a notification in the event that the average response time for the web service exceeds a pre-defined response time for an hour or more. Which three steps should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Action	Answer Area
From the Monitor page, add a metric for Response Time for the endpoint.	
From the Monitor page, add a rule for the Response Time of the endpoint.	
From the Dashboard page, add a rule for the endpoint status.	
From the Configure page, add a rule for the Response Time of the endpoint.	
From the Configure page, add a monitoring endpoint for the virtual machine.	
From the Endpoints page, add a monitoring endpoint for the virtual machine.	
From the Configure page, add a metric for Response Time for the endpoint.	

Answer:

Action	Answer Area
From the Monitor page, add a metric for Response Time for the endpoint.	From the Configure page, add a monitoring endpoint for the virtual machine.
From the Monitor page, add a rule for the Response Time of the endpoint.	From the Monitor page, add a metric for Response Time for the endpoint.
From the Dashboard page, add a rule for the endpoint status.	
From the Configure page, add a rule for the Response Time of the endpoint.	From the Monitor page, add a rule for the Response Time of the endpoint.
From the Configure page, add a monitoring endpoint for the virtual machine.	
From the Endpoints page, add a monitoring endpoint for the virtual machine.	
From the Configure page, add a metric for Response Time for the endpoint.	

QUESTION 79

Drag and Drop Question

You administer an Azure Virtual Machine (VM) named CON-CL1. CON-CL1 is in a cloud service named ContosoService1. You discover unauthorized traffic to CON-CL1. You need to:

- Create a rule to limit access to CON-CL1.
- Ensure that the new rule has the highest precedence.

Which Azure Power Shell cmdlets and values should you use? To answer, drag the appropriate cmdlet or value to the correct location in the Power Shell command. Each cmdlet or value may be used once, more than once, or not at all. You may need to drag the split bat between panes or scroll to view content.

cmdlets and values	PowerShell command
Permit	C:\PS>\$acl= <input type="text" value="cmdlet or value"/>
Deny	C:\PS> <input type="text" value="cmdlet or value"/> -Addrule -ACL \$acl
New-AzureAclConfig	-order <input type="text" value="cmdlet or value"/> -Action <input type="text" value="cmdlet or value"/>
Set-AzureAclConfig	-RemoteSubnet "171.100.0.1/24"
100	
300	
-addrule	
-setrule	
0	
Update-AzureVM	

Answer:

cmdlets and values

Permit

Deny

New-AzureAclConfig

Set-AzureAclConfig

100

300

-addrule

-setrule

0

Update-AzureVM

PowerShell command

```

C:\PS>$acl= New-AzureAclConfig
C:\PS> Set-AzureAclConfig -Addrule -ACL $acl
-order 100 -Action Permit
-RemoteSubnet "171.100.0.1/24"
        
```

QUESTION 80

Hotspot Question

Your company network has two branch offices. Some employees work remotely, including at public locations. You manage an Azure environment that includes several virtual networks. All users require access to the virtual networks. In the table below, identify which secure cross-premise connectivity option is needed for each type of user. Make only one selection in each column.

Secure cross-premise connectivity method	Branch Office Users	Remote Users
Site-to-site	<input type="radio"/>	<input type="radio"/>
Multi-site	<input type="radio"/>	<input type="radio"/>
Point-to-site	<input type="radio"/>	<input type="radio"/>

Answer:

Secure cross-premise connectivity method	Branch Office Users	Remote Users
Site-to-site	<input checked="" type="radio"/>	<input type="radio"/>
Multi-site	<input type="radio"/>	<input type="radio"/>
Point-to-site	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 81

Hotspot Question

You create a virtual network named fabVNet01. You design the virtual network to include two subnets, one named DNS-subnet and one named Apps-subnet, as shown in the exhibit:

CREATE A VIRTUAL NETWORK

Virtual Network Address Spaces

ADDRESS SPACE	STARTING IP	CIDR (ADDRESS COUNT)	USABLE ADDRESS RANGE
10.0.0.0/26	10.0.0.0	/26 (64)	10.0.0.1 - 10.0.0.63

SUBNETS

DNS-subnet	10.0.0.0	/27 (32)	10.0.0.1 - 10.0.0.31
Apps-subnet	10.0.0.32	/29 (8)	10.0.0.33 - 10.0.0.39

add subnet

add address space

NETWORK PREVIEW

fabVNet02

In the table below, identify the number of IP addresses that will be available for virtual machines (VMs) or cloud services in each subnet. Make only one selection in each column.

Answer Area

Available IP Addresses	DNS-subnet	Apps-subnet
3	<input type="radio"/>	<input type="radio"/>
8	<input type="radio"/>	<input type="radio"/>
27	<input type="radio"/>	<input type="radio"/>
32	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Available IP Addresses	DNS-subnet	Apps-subnet
3	<input type="radio"/>	<input checked="" type="radio"/>
8	<input type="radio"/>	<input type="radio"/>
27	<input checked="" type="radio"/>	<input type="radio"/>
32	<input type="radio"/>	<input type="radio"/>

Explanation:

No not all addresses in a subnet are usable, (The first and last IP addresses of the subnets are reserved for protocol conformance. Additionally they reserve a few extra IP addresses for their services.

<http://msdn.microsoft.com/en-us/library/azure/dn133803.aspx>

QUESTION 82

You administer an Azure solution that uses a virtual network named fabVNet. FabVNet has a single subnet named Subnet-1. You discover a high volume of network traffic among four virtual machines

(VMs) that are part of Subnet-1. You need to isolate the network traffic among the four VMs. You want to achieve this goal with the least amount of downtime and impact on users. What should you do?

- A. Create a new subnet in the existing virtual network and move the four VMs to the new subnet.
- B. Create a site-to-site virtual network and move the four VMs to your datacenter.
- C. Create a new virtual network and move the VMs to the new network.
- D. Create an availability set and associate the four VMs with that availability set.

Answer: A

Explanation:

Machine Isolation Options. There are three basic options where machine isolation may be implemented on the Windows Azure platform:

- * Between machines deployed to a single virtual network Subnets within a Single Virtual Network
- * Between machines deployed to distinct virtual networks
- * Between machines deployed to distinct virtual networks where a VPN connection has been established from on-premises with both virtual networks

Windows Azure provides routing across subnets within a single virtual network.

Incorrect:

not B: A site-to-site VPN allows you to create a secure connection between your on- premises site and your virtual network. Use a site-to-site connection when:

- * You want to create a branch office solution.
- * You want a connection between your on-premises location and your virtual network that's available without requiring additional client-side configurations.

QUESTION 83

You administer an Azure virtual network named fabrikamVNet. You need to deploy a virtual machine (VM) and ensure that it is a member of the fabrikamVNet virtual network. What should you do?

- A. Run the New-AzureVM Power Shell cmdlet.
- B. Run the New-AzureQuickVM Power Shell cmdlet.
- C. Run the New-AzureAffinityGroup Power Shell cmdlet.
- D. Update fabrikamVNet's existing Availability Set.

Answer: B

Explanation:

The New-AzureQuickVM cmdlet sets the configuration for a new virtual machine and creates the virtual machine. You can create a new Azure service for the virtual machine by specifying either the Location or AffinityGroup parameters, or deploy the new virtual machine into an existing service. <http://msdn.microsoft.com/en-us/library/dn495183.aspx>

QUESTION 84

Hotspot Question

You manage two websites for your company. The sites are hosted on an internal server that is beginning to experience performance issues due to high traffic. You plan to migrate the sites to Azure Web Sites. The sites have the following configurations:

Name	Purpose	Characteristics
Site 1	Public-facing forum for clients and customers to interact	<ul style="list-style-type: none"> Developed in Node.JS Contains 11GB of data Deployed to two (2) instances
Site 2	Public-facing portal for users to access their customer records	<ul style="list-style-type: none"> Developed in ASP.NET 4.0 Contains 9GB of data Deployed to three (3) instances

In the table below, identify the web hosting plan with the lowest cost for each site. Make only one selection in each column.

Answer Area

Web Hosting Plan	Site 1	Site 2
FREE	<input type="radio"/>	<input type="radio"/>
SHARED	<input type="radio"/>	<input type="radio"/>
BASIC	<input type="radio"/>	<input type="radio"/>
STANDARD	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Web Hosting Plan	Site 1	Site 2
FREE	<input type="radio"/>	<input type="radio"/>
SHARED	<input type="radio"/>	<input type="radio"/>
BASIC	<input type="radio"/>	<input checked="" type="radio"/>
STANDARD	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

<http://azure.microsoft.com/en-us/documentation/articles/azure-subscription-service-limits/>

QUESTION 85

You administer an Azure Web Site named contoso. You create a job named Cleanlogs.cmd that will be executed manually, twice a week. You need to deploy the job. To which folder location

should you deploy CleanLogs.cmd?

- A. `./App_Code/jobs/triggered/cleanLogs/CleanLogs.cmd`
- B. `./App_Data/jobs/triggered/clean Logs/Clean Logs.cmd`
- C. `./App_Code/jobs/continuous/cleanLogs/CleanLogs.cmd`
- D. `./App_Data/jobs/continuous/cleanLogs/CleanLogs.cmd`

Answer: B

Explanation:

A WebJob is stored under the following directory in your site:

`site\wwwroot\App_Data\jobs\{job type}\{job name}`

Where {job type} can be either continuous for a job that is always running or triggered for a job that starts from an external trigger (on demand / scheduler).

http://blog.amitapple.com/post/74215124623/deploy-azure- webjobs/#.VDZam_mSx8E

QUESTION 86

You manage a cloud service that is running in two small instances. The cloud service hosts a help desk application. The application utilizes a virtual network connection to synchronize data to the company's internal accounting system. You need to reduce the amount of time required for data synchronization. What should you do?

- A. Configure the servers as large instances and re-deploy.
- B. Increase the instance count to three.
- C. Deploy the application to Azure Web Sites.
- D. Increase the processors allocated to the instances.

Answer: A

Explanation:

When you create your service model, you can specify the size to which to deploy an instance of your role, depending on its resource requirements. The size of the role determines the number of CPU cores, the memory capacity, and the local file system size that is allocated to a running instance.

<http://msdn.microsoft.com/en-us/library/azure/dn197896.aspx>

QUESTION 87

You manage a cloud service that has a web application named WebRole1. WebRole1 writes error messages to the Windows Event Log. Users report receiving an error page with the following message:

"Event 26 has occurred. Contact your system administrator."

You need to access the WebRole1 event log. Which three actions should you perform? Each correct answer presents part of the solution.

- A. Enable verbose monitoring.
- B. Update the WebRole1 web.config file.
- C. Update the cloud service definition file and the service configuration file.
- D. Run the Set-AzureVM.DiagnosticsExtension PowerShell cmdlet.
- E. Run the Enable-AzureWebsiteApplicationDiagnostic PowerShell cmdlet.
- F. Create a storage account.

Answer: ACF

Explanation:

AF: You can monitor key performance metrics for your cloud services in the Azure Management Portal. You can set the level of monitoring to minimal and verbose for each service role, and can

customize the monitoring displays. Verbose monitoring data is stored in a storage account, which you can access outside the portal.

C: * The service configuration file specifies the number of role instances to deploy for each role in the service, the values of any configuration settings, and the thumbprints for any certificates associated with a role. If the service is part of a Virtual Network, configuration information for the network must be provided in the service configuration file, as well as in the virtual networking configuration file. The default extension for the service configuration file is .cscfg.

* 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.

<http://azure.microsoft.com/en-us/documentation/articles/cloud-services-how-to-monitor/>

<http://msdn.microsoft.com/en-us/library/azure/ee758710.aspx>

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

QUESTION 88

Drag and Drop Question

You manage an application hosted on cloud services. The development team creates a new version of the application. The updated application has been packaged and stored in an Azure Storage account. You have the following requirements:

- Deploy the latest version of the application to production with the least amount of downtime.
- Ensure that the updated application can be tested prior to deploying to the Production site.
- Ensure that the original version of the application can be restored until the new version is verified.

Which four steps should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Action	Answer Area
Deploy the new package to the Staging slot.	
Create a new cloud service.	
Provide the URL to the development team.	
Deallocate the Staging deployment.	
Deploy the new package to the Production slot.	
Perform VIP Swap.	

Answer:

Action	Answer Area
	Deploy the new package to the Staging slot.
Create a new cloud service.	Provide the URL to the development team.
	Perform VIP Swap.
	Deallocate the Staging deployment.
Deploy the new package to the Production slot.	

Explanation:

<http://azure.microsoft.com/en-gb/documentation/articles/web-sites-staged-publishing/>

QUESTION 89

You manage a cloud service that utilizes data encryption. You need to ensure that the certificate used to encrypt data can be accessed by the cloud service application. What should you do?

- A. Upload the certificate referenced in the application package.
- B. Deploy the certificate as part of the application package.
- C. Upload the certificate's public key referenced in the application package.
- D. Use RDP to install the certificate.

Answer: C

Explanation:

The developer must deploy the public key with their application so that, when Windows Azure spins up role instances, it will match up the thumbprint in the service definition with the uploaded service certificate and deploy the private key to the role instance. The private key is intentionally non-exportable to the .pfx format, so you won't be able to grab the private key through an RDC connection into a role instance.

QUESTION 90

You administer a Windows Server virtual machine (VM). You upload the VM to Azure. You need to ensure that you are able to deploy the BGInfo and VMAccess extensions. What should you do?

- A. Select the Install the VM Agent checkbox while provisioning a VM based on your uploaded VHD.
- B. Select the Enable the VM Extensions checkbox while provisioning a VM based on your uploaded VHD.
- C. Install the VM Agent MSI and execute the following Power Shell commands:
\$vm = Get-AzureVM -serviceName \$svc -Name \$name \$vm.VM.ProvisionGuestAgent = \$trueUpdate-AzureVM -Name \$name -VM \$vm.VM -ServiceName \$svc

- D. Install the VM Agent MSI and execute the following Power Shell commands:
- ```
$vm = Get-AzureVM -serviceName $svc -Name $name Set-AzureVMBGInfoExtension -VM $vm.VMSet-AzureVM
Access Extension -VM $vm.VM
Update-AzureVM -Name $name -VM $vm.VM -ServiceName $svc
```

**Answer: C**

**Explanation:**

The VM Agent can be enabled by manually downloading and installing the VM Agent (either the Windows or Linux version) on an existing VM instance and then setting the ProvisionGuestAgent value to true using Powershell or a REST call. (If you do not set this value after manually installing the VM Agent, the addition of the VM Agent is not detected properly.) The following code example shows how to do this using PowerShell where the \$svc and \$name arguments have already been determined:

```
$vm = Get-AzureVM -serviceName $svc -Name $name
$vm.VM.ProvisionGuestAgent = $TRUE
Update-AzureVM -Name $name -VM $vm.VM -ServiceName $svc
```

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