Microsoft

Exam Questions 70-534
Architecting Microsoft Azure Solutions
NEW QUESTION 1
- (Topic 1)
You need to design the system that alerts project managers to data changes in the contractor information app. Which service should you use?

A. Azure Mobile Service  
B. Azure Service Bus Message Queueing  
C. Azure Queue Messaging  
D. Azure Notification Hub  

Answer: C

Explanation:
* Scenario:
  / Mobile Apps: Event-triggered alerts must be pushed to mobile apps by using a custom Node.js script.
  / The service level agreement (SLA) for the solution requires an uptime of 99.9%
  / If you are already using Azure Storage Blobs or Tables and you start using queues, you are guaranteed 99.9% availability. If you use Blobs or Tables with Service Bus queues, you will have lower availability.

Note: Microsoft Azure supports two types of queue mechanisms: Azure Queues and Service Bus Queues.
  / Azure Queues, which are part of the Azure storage infrastructure, feature a simple REST-based Get/Put/Peek interface, providing reliable, persistent messaging within and between services.
  / Service Bus queues are part of a broader Azure messaging infrastructure that supports queuing as well as publish/subscribe, Web service remoting, and integration patterns.


NEW QUESTION 2
- (Topic 1)
You need to prepare the implementation of data storage for the contractor information app. What should you?

A. Create a storage account and implement multiple data partitions.  
B. Create a Cloud Service and a Mobile Service  
C. Implement Entity Group transactions.  
D. Create a Cloud Service and a Deployment group  
E. Implement Entity Group transactions.  
F. Create a Deployment group and a Mobile Service  
G. Implement multiple data partitions.

Answer: B

Explanation:
* Scenario:
  / VanArsdel needs a solution to reduce the number of operations on the contractor information table. Currently, data transfer rates are excessive, and queue length for read/write operations affects performance.
  / A mobile service that is used to access contractor information must have automatically scalable, structured storage


NEW QUESTION 3
- (Topic 2)
You need to configure the distribution tracking application. What should you do?

A. Map each role to a single upgrade domain to optimize resource utilization.  
B. Design all services as stateless services.  
C. Configure operations to queue when a role reaches its capacity.  
D. Configure multiple worker roles to run on each virtual machine.

Answer: D

Explanation:
* Scenario: distribution tracking application
  / The system is processor intensive and should be run in a multithreading environment.

References: http://mark.mymonster.nl/2013/01/29/running-multiple-workers-inside-one-windows-azure-worker-role

NEW QUESTION 4
- (Topic 3)
You need to recommend a solution for publishing one of the company websites to Azure and configuring it for remote debugging. Which two actions should you perform? Each correct answer presents part of the solution.

A. From Visual Studio, attach the debugger to the solution.  
B. Set the application logging level to Verbose and enable logging.  
C. Set the Web Server logging level to Information and enable logging.  
D. Set the Web Server logging level to Verbose and enable logging.  
E. From Visual Studio, configure the site to enable Debugger Attaching and then publish the site.

Answer: AE

Explanation:
* Scenario: distribution tracking application
  / Mitigate the need to purchase additional tools for monitoring and debugging.
A debugger must automatically attach to websites on a weekly basis. The scripts that handle the configuration and setup of debugging cannot work if there is a delay in attaching the debugger.

A: After publishing your application you can use the Server Explorer in Visual Studio to access your web sites. After signing in you will see your Web Sites under the Windows Azure node in Server Explorer. Right click on the site that you would like to debug and select Attach Debugger.

E: When the processes appear in the Available Processes table, select w3wp.exe, and then click Attach.

Open a browser to the URL of your web app.


NEW QUESTION 5
- (Topic 4)
You need to encrypt a media file.
Which type of encryption should you use?

A. secure token service
B. envelope
C. PlayReady
D. storage

Answer: C

NEW QUESTION 6
DRAG DROP - (Topic 6)
Marketing is ready to start their web application validations and is excited to be expanding globally. You need to support the global web application requirements. Which three 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
NEW QUESTION 7
- (Topic 7)
You design an Azure application that processes images. The maximum size of an image is 10 MB. The application includes a web role that allows users to upload images and a worker role with multiple instances that processes the images. The web role communicates with the worker role by using an Azure Queue service.
You need to recommend an approach for storing images that minimizes storage transactions.
What should you recommend?

A. Store images in Azure Blob service
B. Store references to the images in the queue.
C. Store images in the queue.
D. Store images in OneDrive attached to the worker role instance
E. Store references to the images in the queue.
F. Store images in local storage on the web role instance
G. Store references to the images in the queue.

Answer: A

Explanation:
Azure Queues provide a uniform and consistent programming model across queues, tables, and BLOBs – both for developers and for operations teams. Microsoft Azure blob storage can be used to store the image data, the application can use a worker role in Azure to perform background processing tasks on the images, how the application may use shared access signatures to control access to the images by users. Azure blobs provide a series of containers aimed at storing text or binary data. Block blob containers are ideal for streaming data, while page blob containers can be used for random read/write operations.

NEW QUESTION 8
- (Topic 7)
You are designing an Azure application that processes graphical image files. The graphical images are processed in batches by remote applications that run on multiple servers.
You have the following requirements:
* The application must remain operational during batch-processing operations.
* Users must be able to roll back each image to a previous version.
You need to ensure that each remote application has exclusive access to an image while the application processes the image. Which type of storage should you use to store the images?

A. Table service
B. Queue service
C. Blob service
D. A single Azure VHD that is attached to the web role

Answer: C

Explanation:
* Blob Leases allow you to claim ownership to a Blob. Once you have the lease you can then update the Blob or delete the Blob without worrying about another process changing it underneath you. When a Blob is leased, other processes can still read it, but any attempt to update it will fail. You can update Blobs without taking a lease first, but you do run the chance of another process also attempting to modify it at the same time.
* You can opt to use either optimistic or pessimistic concurrency models to manage access to blobs and containers in the blob service.
NEW QUESTION 9
- (Topic 7)
You plan to implement Multi-Factor Authentication (MFA). Administrators must be able to protect user accounts with MFA. You must implement text messages or telephone calls as a second factor. You need to recommend a MFA solution that minimize costs.
What should you recommend?
A. Azure Active Directory Premium  
B. an on-premises solution  
C. a Microsoft Office 365 subscription  
D. the Enterprise Mobility Suite

Answer: A

NEW QUESTION 10
- (Topic 7)
You design an Azure web application. The web application is accessible by default as a standard cloudapp.net URL. You need to recommend DNS resource record types that allow you to configure access to the web application by using a custom domain name. Which two DNS record types should you recommend?
A. SRV  
B. CNAME  
C. MX  
D. A

Answer: BD

NEW QUESTION 11
HOTSPOT - (Topic 7)
A company uses Azure for several virtual machine (VM) and website workloads. The company plans to assign administrative roles to a specific group of users. You have a resource group named GROUP1 and a virtual machine named VM2.
The users have the following responsibilities:

<table>
<thead>
<tr>
<th>User</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin1</td>
<td>Control access to VM2.</td>
</tr>
<tr>
<td>Admin2</td>
<td>Prepare reports with billing and usage information.</td>
</tr>
<tr>
<td>Admin3</td>
<td>Maintain all resources in the GROUP1 resource group.</td>
</tr>
</tbody>
</table>

You need to assign the appropriate level of privileges to each of the administrators by using the principle of least privilege. What should you do? To answer, select the appropriate target objects and permission levels in the answer area.

<table>
<thead>
<tr>
<th>Administrator Name</th>
<th>Target Object</th>
<th>Permission Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin1</td>
<td>VM2, GROUP1 SUBSCRIPTION</td>
<td>Reader, Owner, Contributor</td>
</tr>
<tr>
<td>Admin2</td>
<td>VM2, GROUP1 SUBSCRIPTION</td>
<td>Reader, Owner, Contributor</td>
</tr>
<tr>
<td>Admin3</td>
<td>VM2, GROUP1 SUBSCRIPTION</td>
<td>Reader, Owner, Contributor</td>
</tr>
</tbody>
</table>

Answer: A
NEW QUESTION 12
- (Topic 7)
You are designing an Azure development environment. Team members learn Azure development techniques by training in the development environment. The development environment must automatically scale and load balance additional virtual machine (VM) instances. You need to recommend the most cost-effective compute-instance size that allows team members to work with Azure in the development environment. What should you recommend?

A. Azure A1 standard VM Instance  
B. Azure A2 basic VM Instance  
C. Azure A3 basic VM Instance  
D. Azure A9 standard VM Instance

Answer: A

Explanation:
Azure A1 standard VM Instance would be cheapest with 1 CPU core, 0.75 GB RAM, and 40 GB HD. It would be good enough for training purposes.


NEW QUESTION 13
HOTSPOT - (Topic 10)
You use the Windows PowerShell Desired State Configuration (DSC) feature to configure your company's servers. Line numbers are included for reference only.
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

```csharp
01 $ConfigurationData = @{
02    AllNodes = @(            
03        @{nodeName = 'Server1'; role = 'Web'},
04        @{nodeName = 'Server2'; role = 'FileShare'},
05        @{nodeName = 'Server3'; role = @('FileShare', 'Web')}  
06    )
07 }
08 configuration RoleConfiguration
09 {
10    param ($Roles)
11    switch ($Roles)
12    {
13        'FileShare'
14        {
15            WindowsFeature FileSharing
16                {
17                    Name = 'FS-FileServer'
18                }
19        }
20        'Web'
21        {
22            WindowsFeature Web
23                {
24                    Name = 'Web-Server'
25                    Ensure = 'Absent'
26                }
27        }
28    }
29 }
30 configuration MyFirstServerConfig
31 {
32    node $allnodes.nodeName
33    {
34        WindowsFeature snmp
35        {
36            Name = 'SNMP-Service'
37        }
38        RoleConfiguration MyServerRoles
39        {
40            Roles = $Node.Role
41            DependsOn = '@(WindowsFeature)snmp'
42        }
43    }
44 }
```
A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 14
HOTSPOT - (Topic 10)
You are developing a messaging solution for a financial services company named Adatum. The solution must integrate an application named Enrollment and an application named Activation.
The Enrollment application is used to enroll new customers. The Activation application is used to activate accounts for new customers.
You need to ensure that each message that the Enrollment application sends is stored in a queue for ten minutes before the Activation application uses the message.
How should you complete the relevant code? To answer, select the appropriate option or options in the answer area.

```csharp
var address = ServiceBusEnvironment.CreateServiceUri("sb
\n\addatum.servicebus.windows.net/activate
\", string.Empty);

var ns = new
\NamespaceManager
\NamespaceManagerSettings

{
\n\nOperationTimeout = 10
\n10000
\nnet: TimeSpan(0, 10, 0)
\n});

ns.CreateQueue("ActivationQueue");
```
A. Mastered
B. Not Mastered

Answer: A

**Explanation:**
Box 1: sb Servicebus
Box 2: adatum.servicebus.windows.net/activate This is a proper service bus URI.
Note: CreateServiceUri(String, String, String) constructs the Service Bus URI for an application, using the specified scheme, service namespace, and service path.
Parameters:
Box 3: NamespaceManager Box 4: New TimeSpan(0,10,0) TimeSpan(Int32,Int32,Int32)
Initializes a new instance of the TimeSpan structure to a specified number of hours, minutes, and seconds.

**NEW QUESTION 15**
- (Topic 10)
You are developing a web application that connects to an existing virtual network. The web application needs to access a database that runs on a virtual machine. In the Azure portal, you use the virtual network integration user interface to select from a list of virtual networks. The virtual network that the web application needs to connect to is not selectable. You need to update the existing virtual network so you can connect to it. What should you do?

A. Enable ExpressRoute.
B. Enable site-to-site VPN.
C. Enable point-to-site VPN with a dynamic routing gateway.
D. Enable point-to-site VPN with a static routing gateway.

Answer: B

**NEW QUESTION 16**
- (Topic 10)
You are designing a Windows Azure application. The application includes processes that communicate by using Windows Communications Foundation (WCF) services. The WCF services must support streaming. You need to recommend a host for the processes and a WCF binding. Which two actions should you recommend? (Each correct answer presents part of the solution. Choose two.)

A. Host the processes in web roles.
B. Host the processes in worker roles.
C. Use NetTcpBinding for the WCF services.
D. Use WSHttpBinding for the WCF services.

Answer: BC

**Explanation:**

**NEW QUESTION 17**
- (Topic 10)
You are designing a Windows Azure application. Messages will be placed into a Windows Azure Queue and then processed by a worker role. There is no requirement for adherence to the Windows Azure Service Level Agreement (SLA). You need to recommend an approach for concurrently processing messages while minimizing compute cost. What should you recommend?

A. A single role instance that processes messages individually
B. A single role instance with multithreaded request processing
C. Multiple role instances that process messages individually
D. Multiple role instances, each with multithreaded request processing

Answer: B

**Explanation:**
Threads: When the request for the background work comes in, the web role starts as many threads as necessary (or queues the individual work items to the thread pool). In this option, we would configure a larger instance during the heavy workload, because these threads could require a lot of memory.
Incorrect:
Not C, not D: SLA would require multiple role instances.
References: https://stackoverflow.com/questions/12891678/orchestrating-a-windows-azure-web-role-to-cope-with-occasional-high-workload

**NEW QUESTION 18**
- (Topic 10)
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:**
As we want to analyze response times from different locations, we should use endpoint monitoring.
References: https://docs.microsoft.com/en-us/azure/app-service-web/web-sites-monitor#webendpointstatus
NEW QUESTION 19
- (Topic 10)
You manage a cloud service that has a web role named fabWeb. You create a virtual network named fabVNet that has two subnets defined as Web and Apps. You need to be able to deploy fabWeb into the Web subnet. What should you do?

A. Modify the service definition (csdef) for the cloud service
B. Run the Set-AzureSubnet PowerShell cmdlet.
C. Run the Set-AzureVNetConfig PowerShell cmdlet.
D. Modify the network configuration file.
E. Modify the service configuration (cscfg) for the fabWeb web role.

Answer: E

Explanation:
You can use PowerShell to move your VMs (Classic) from one subnet to another in the same virtual network (VNet). Role instances can be moved by editing the CSCFG file, rather than using PowerShell.

NEW QUESTION 20
- (Topic 10)
Your company network has two physical locations configured in a geo-clustered environment. You create a Blob storage account in Azure that contains all the data associated with your company. You need to ensure that the data remains available in the event of a site outage. Which storage option should you enable?

A. Locally redundant storage
B. Geo-redundant storage
C. Zone-redundant storage
D. Read-only geo-redundant storage

Answer: D

Explanation:
Read-access geo-redundant storage (RA-GRS) maximizes availability for your storage account, by providing read-only access to the data in the secondary location, in addition to the replication across two regions provided by GRS.
When you enable read-only access to your data in the secondary region, your data is available on a secondary endpoint, in addition to the primary endpoint for your storage account.
References: https://docs.microsoft.com/en-us/azure/storage/storage-redundancy

NEW QUESTION 21
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