70-534^{Q&As}

Architecting Microsoft Azure Solutions 2015

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QUESTION 1

You need to implement resource security and authentication.

For each requirement, which solution should you implement? To answer, drag the appropriate solution to the correct requirement. Each solution 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.

Select and Place:

Solutions

| Azure Active Directory Connect |
| Microsoft Account Authentication |
| Azure Active Directory B2C |
| Active Directory Federations Services |

Answer Area

Requirement	Solution
Enable user sign in for employees	Solution
Enable user sign in for partners	Solution
Enable datacenter connectivity for the DataViewer application	Solution

Correct Answer:

Solutions

| Azure Active Directory Connect |
| Microsoft Account Authentication |
| Azure Active Directory B2C |
| Active Directory Federations Services |

Answer Area

Requirement	Solution
Enable user sign in for employees	Azure Active Directory Connect
Enable user sign in for partners	Active Directory Federations Services
Enable datacenter connectivity for the DataViewer application	Active Directory Federations Services

QUESTION 2

You need to scale the API.

In the Azure portal, 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.

Select and Place:

Actions

Select the web application, then select **Scale Up** on the settings tab.

Select the web application, then select **Scale Out** on the settings tab.

Update the minimum **Target range** to 50 and maximum **Target range** to 70

Save the scale settings

Update the minimum **Target range** to 25 and maximum **Target range** to 100

Add a new rule fot the memory percentage metric.

Update the values for **Scale by** to **CPU Percentage**.

Update the values for **Scale by** to an instance count that I enter manually.

Answer Area

Correct Answer:

Actions

Select the web application, then select **Scale Up** on the settings tab.

Update the minimum **Target range** to 25 and maximum **Target range** to 100

Add a new rule fot the memory percentage metric.

Update the values for **Scale by** to an instance count that I enter manually.

Answer Area

Select the web application, then select **Scale Out** on the settings tab.

Update the values for **Scale by** to **CPU Percentage.**

Update the minimum **Target range** to 50 and maximum **Target range** to 70

Save the scale settings
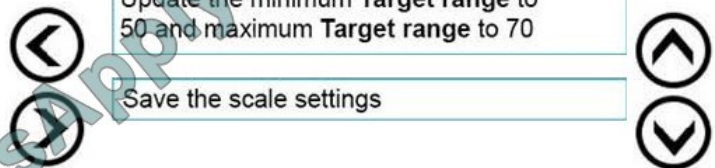
QUESTION 3

You have several virtual machines (VMs) that run in Azure. You also have a single System Center 2012 R2 Configuration Manager (SCCM) primary site on-premises. You have the following requirements:

*

 All VMs must run on the same virtual network.

*

 Network traffic must be minimized between the on-premises datacenter and Azure.

*

 The solution minimize complexity.

You need to use SCCM to collect inventory and deploy software to Azure VMs.

What should you do first?

A.

Configure client push for the Azure virtual network.

B.

Enable and configure Operations Insights in Azure.

C.

Install a cloud distribution point on an Azure VM.

D.

Install a secondary site underneath the primary site onto an Azure VM.

Correct Answer: C

Cloud-based distribution Point, a Configuration Manager Site System Role in the Cloud

Much of the Configuration Manager topology is made up of distribution points, they are very helpful in many situations where bandwidth and geographical separation are the facts of life, but also hard to manage if you have hundreds or even thousands of them.

This feature started with the vision that it makes perfect sense to have big distribution points in the Windows Azure cloud where one should not worry about things like (but not limited to) size, performance, reliability, security, access from all around the world, hardware/software update issues etc.

Note: Content management in System Center 2012 Configuration Manager provides the tools for you to manage content files for applications, packages, software updates, and operating system deployment. Configuration Manager uses distribution points to store files that are required for software to run on client computers. These distribution points function as distribution centers for the content files and let users download and run the software. Clients must have

access to at least one distribution point from which they can download the files.

References: http://blogs.technet.com/b/configmgrteam/archive/2013/01/31/new-distribution- points-in-configuration-manager-sp1.aspx

QUESTION 4

Your company plans to migrate its on-premises Microsoft SQL Server databases to Azure.

You are considering using SQL Server 2014 on Azure virtual machines and Azure SQL Database. The planned migration must support the following data security features:

You need to identify the data security features supported by each product.

Which feature should you identify? To answer, select the appropriate options in the answer area.

Hot Area:

Answer Area

Database-level firewall rules: ▼

| Only Azure SQL Database |
| Only SQL Server 2014 on the Azure virtual machines |
| Both |

Dynamic Data Masking: ▼

| Only Azure SQL Database |
| Only SQL Server 2014 on the Azure virtual machines |
| Both |

Transparent data encryption (TDE): ▼

| Only Azure SQL Database |
| Only SQL Server 2014 on the Azure virtual machines |
| Both |

Correct Answer:

Answer Area

Database-level firewall rules:	▼
	Only Azure SQL Database
	Only SQL Server 2014 on the Azure virtual machines
	Both

Dynamic Data Masking:	▼
	Only Azure SQL Database
	Only SQL Server 2014 on the Azure virtual machines
	Both

Transparent data encryption (TDE):	▼
	Only Azure SQL Database
	Only SQL Server 2014 on the Azure virtual machines
	Both

QUESTION 5

You are designing the deployment for Linux virtual machines (VMs) in Azure. The VMs will be used for a web app that will run in Azure.

The web app must be able to run Bash scripts on demand. Parallel workloads must also be set to scale automatically based on use.

You need to design the environment for the Bash scripts and parallel workloads.

Which processing type should you use for each component? To answer, drag the appropriate processing types to the correct components. Each processing type 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.

NOTE: Each correct selection is worth one point.

Select and Place:

Processing types

Azure Batch

Azure WebJobs

Azure Functions

Azure Scheduler

Answer Area

Component	Processing type
Bash scripts	Processing type
Parallel workloads	Processing type

Correct Answer:

Processing types

Azure Functions

Azure Scheduler

Answer Area

Component	Processing type
Bash scripts	Azure WebJobs
Parallel workloads	Azure Batch

QUESTION 6

You are designing an Azure Web App.

All users must authenticate by using Active Directory Domain Services (AD DS) credentials.

You need to recommend an approach to enable single sign-on to the application for domain-authenticated users.

Which two actions should you recommend? Each correct answer presents part of the solution.

A. Use Forms authentication to generate claims.

B. Use the SQL membership provider in the web application.

C. Use Windows Identity Foundation in the web application.

D. Use Active Directory Federation Services (AD FS) to generate claims.

Correct Answer: CD

References: https://msdn.microsoft.com/en-us/library/ee748475.aspx https://msdn.microsoft.com/en-us/library/azure/dn441213.aspx

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QUESTION 7

An application currently resides on an on-premises virtual machine that has 2 CPU cores, 4 GB of RAM, 20 GB of hard disk space, and a 10 megabit/second network connection. You plan to migrate the application to Azure. You have the following requirements:

*

 You must not make changes to the application.

*

 You must minimize the costs for hosting the application.

You need to recommend the appropriate virtual machine instance type.

Which virtual machine tier should you recommend?

A.

Network Optimized (A Series)

B.

General Purpose Compute, Basic Tier (A Series)

C.

General Purpose Compute, Standard Tier (A Series)

D.

Optimized Compute (D Series)

Correct Answer: B

General purpose compute: Basic tier An economical option for development workloads, test servers, and other applications that don\\'t require load balancing, auto-scaling, or memory-intensive virtual machines. CPU core range: 1-8 RAM range: 0.75 ~14 GB Disk size: 20-240 GB

References:

QUESTION 8

You are designing an Azure application that will use a worker role. The worker role will create temporary files.

You need to minimize storage transaction charges.

Where should you create the files?

A. In Azure local storage

B. In Azure Storage page blobs

C. On an Azure Drive

D. In Azure Storage block blobs

Correct Answer: A

Local storage is temporary in Azure. So, if the virtual machine supporting your role dies and cannot recover, your local storage is lost! Therefore, Azure developers will tell you, only volatile data should ever be stored in local storage of Azure.

References: http://www.intertech.com/Blog/windows-azure-local-file-storage-how-to-guide- and-warnings/ http://blog.codingoutloud.com/2011/06/12/azure-faq-can-i-write-to-the-file-system-on- windows-azure/

QUESTION 9

You need to recommend the appropriate technology to provide the predictive analytics for passenger pickup. What should you do?

A. Use Power BI to analyze the traffic data and PowerPivot to categorize the results.

B. Use HDInsight to analyze the traffic data and write a .NET program to categorize the results.

C. Use Machine Learning Studio to create a predictive model and publish the results as a web service.

D. Use Hadoop on-premises to analyze the traffic and produce a report that shows high traffic zones.

Correct Answer: C

*

 Scenario: Predictive Routing:

/ An Azure solution must be used for prediction systems. / Predictive analytics must be published as a web service and accessible by using the REST API.

*

 Microsoft Azure Machine Learning Studio is a collaborative visual development environment that enables you to build, test, and deploy predictive analytics solutions that operate on your data. The Machine Learning service and development

environment is cloud-based, provides compute resource and memory flexibility, and eliminates setup and installation concerns because you work through your web browser.

References: https://azure.microsoft.com/en-us/documentation/articles/machine-learning- what-is-ml-studio/

QUESTION 10

You create a web application. You publish the source code of the web application to a GitHub repository by using Microsoft Visual Studio. You create a website by using the Azure management portal. You must continuously deploy the web application from the GitHub repository website to the Azure website. You need to deploy the source code of the web application. 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.

Select and Place:

Actions	Answer Area
Select the repository and the branch from which to deploy the Azure website.	
Select **GitHub** as the source control method.	
Configure the Azure website to use the **Always On** option.	
In the Azure management portal, configure web endpoint monitoring.	
In the Azure management portal, choose the option to set up deployment from source control.	
Sign in to GitHub by using your deployment credentials.	

Correct Answer:

Actions	Answer Area
	In the Azure management portal, choose the option to set up deployment from source control.
	Select **GitHub** as the source control method.
Configure the Azure website to use the **Always On** option.	Sign in to GitHub by using your deployment credentials.
In the Azure management portal, configure web endpoint monitoring.	Select the repository and the branch from which to deploy the Azure website.

QUESTION 11

You need to analyze Lucerne\\'s performance monitoring solution. Which three applications should you monitor? Each correct answer presents a complete solution.

A. The Lucerne Media-D application

B. The data mining application

C. The Lucerne Media-W application

D. The Lucerne Media-M app

E. The Lucerne Media-N app

Correct Answer: CDE

Monitor the web application and the mobile apps.

C: Lucerne Media W ?a web application that delivers media by using any browser

D: Lucerne Media M ?a mobile app that delivers media by using Windows Phone 8.1

E: Lucerne Media N ?a mobile app that delivers media by using an Android device

* Scenario:

/ Lucerne Publishing must be able to monitor the performance and usage of its customer- facing app.

/ Customers must be able to access all data by using a web application. They must also be able to access data by using a mobile app that is provided by Lucerne Publishing.

QUESTION 12

You are designing a distributed application for Azure.

The application must securely integrate with on-premises servers.

You need to recommend a method of enabling Internet Protocol security (IPsec)-protected connections between on-premises servers and the distributed application.

What should you recommend?

A. Azure Access Control

B. Azure Content Delivery Network (CDN)

C. Azure Service Bus

D. Azure Site-to-Site VPN

Correct Answer: D

IPsec can be used on Azure Site-to-Site VPN connections. Distributed applications can used the IPSec VPN connections to communicate. References: https://msdn.microsoft.com/en-us/library/azure/dn133798.aspx