

AZ-101^{Q&As}

Microsoft Azure Integration and Security

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QUESTION 1

You need to add a deployment slot named staging to an Azure web app named corplod@lab.LabInstance.Idn4. The solution must meet the following requirements:

When new code is deployed to staging, the code must be swapped automatically to the production slot. Azure-related costs must be minimized.

What should you do from the Azure portal?

A. Check the answer in explanantion.

Correct Answer: A

See below.

Step 1:

Locate and open the corplod@lab.LabInstance.Idn4 web app.

1.

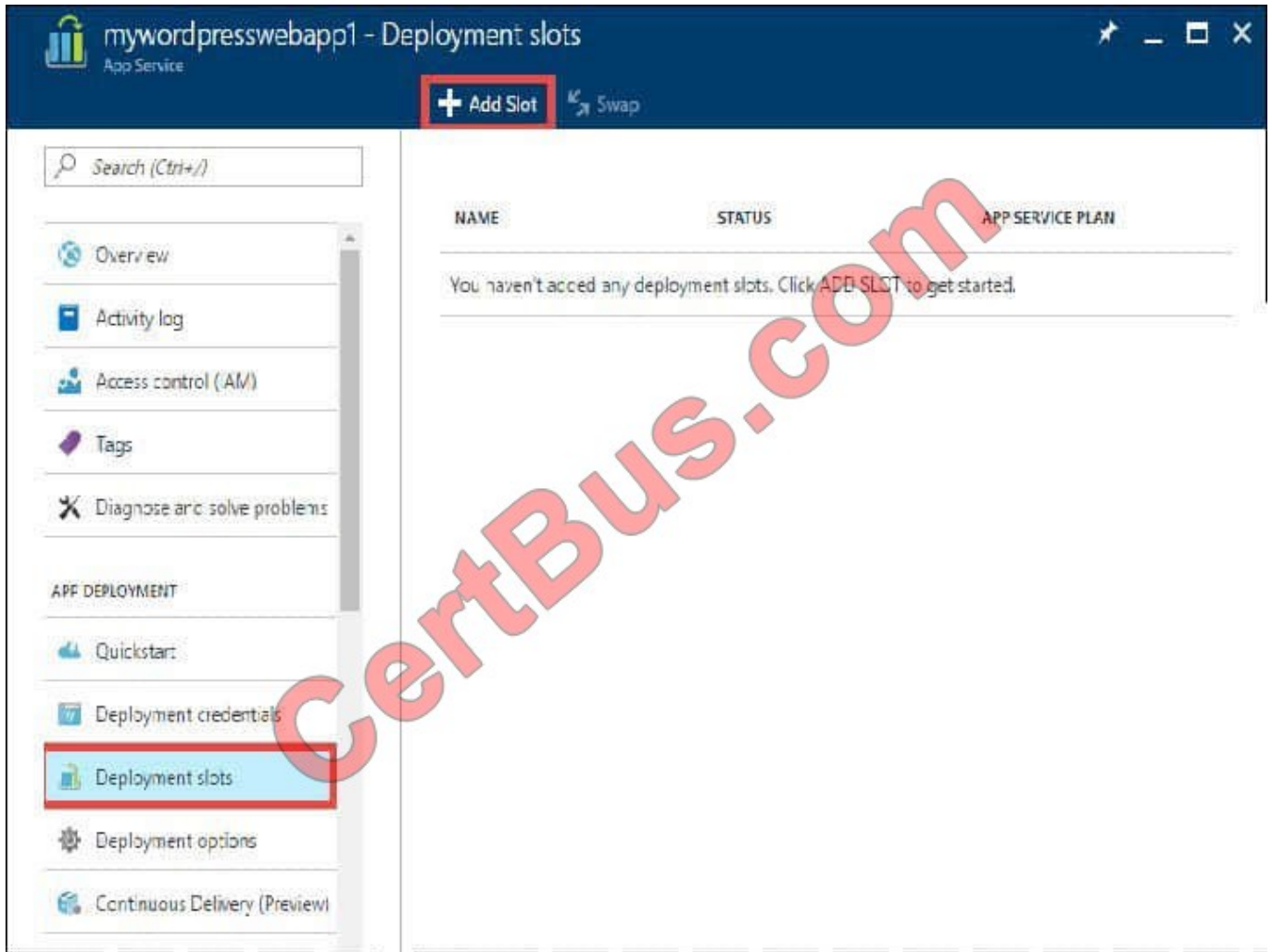
In the Azure portal, on the left navigation panel, click Azure Active Directory.

2.

In the Azure Active Directory blade, click Enterprise applications.

Step 2:

Open your app's resource blade and Choose the Deployment slots option, then click Add Slot.



Step 3:

In the Add a slot blade, give the slot a name, and select whether to clone app configuration from another existing deployment slot. Click the check mark to continue.

The first time you add a slot, you only have two choices: clone configuration from the default slot in production or not at all.

References:

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-staged-publishing>

QUESTION 2

You have an Azure subscription named Subscription1 that contains two Azure virtual networks named VNet1 and VNet2. VNet1 contains a VPN gateway named VPNGW1 that uses static routing. There is a site-to-site VPN connection between your on-premises network and VNet1.

On a computer named Client1 that runs Windows10, you configure a point-to-site VPN connection to VNet1.

You configure virtual network peering between VNet1 and VNet2. You verify that you can connect to VNet2 from the on-

premises network. Client1 is unable to connect to VNet2.

You need to ensure that you can connect Client1 to VNet2.

What should you do?

- A. Select Allow gateway transit on VNet2.
- B. Enable BGP on VPNGW1.
- C. Select Allow gateway transit on VNet1.
- D. Download and re-install the VPN client configuration package on Client1.

Correct Answer: D

References: <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-point-to-site-routing>

QUESTION 3

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage a virtual network named VNet1 that is hosted in the West US Azure region.

VNet1 hosts two virtual machines named VM1 and VM2 that run Windows Server.

You need to inspect all the network traffic from VM1 to VM2 for a period of three hours.

Solution: From Azure Monitor, you create a metric on Network In and Network Out.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

You should use Azure Network Watcher.

References: <https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview>

QUESTION 4

You plan to move services from your on-premises network to Azure.

You identify several virtual machines that you believe can be hosted in Azure. The virtual machines are shown in the following table.

Name	Role	Operating system (OS)	Environment
Sea-DC01	Domain controller	Windows Server 2016	Hyper-V on Windows Server 2016
NYC-FS01	File server	Windows Server 2012 R2	VMware vCenter Server 5.1
BOS-DB01	Microsoft SQL server	Windows Server 2016	VMware vCenter Server 6
Sea-CA01	Certification authority (CA)	Windows Server 2012 R2	Hyper-V on Windows Server 2016
Hou-NW01	DHCP/DNS	Windows Server 2008 R2	VMware vCenter Server 5.5

Which two virtual machines can you access by using Azure migrate? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Sea-CA01
- B. Hou-NW01
- C. NYC-FS01
- D. Sea-DC01
- E. BOS-DB01

Correct Answer: CE

The VMware VMs must be managed by vCenter Server (version 5.5, 6.0, or 6.5).

References: <https://docs.microsoft.com/en-us/azure/migrate/migrate-overview>

QUESTION 5

DRAG DROP

You have an on-premises network that includes a Microsoft SQL Server instance named SQL1.

You create an Azure Logic App named App1.

You need to ensure that App1 can query a database on SQL1.

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

Select and Place:

Actions

- Create an Azure virtual machine that runs Windows Server 2016.
- From an Azure virtual machine, install an on-premises data gateway.
- From the Logic Apps Designer in the Azure portal, add a connector.
- From an on-premises computer, install an on-premises data gateway.
- From the Azure portal, create an on-premises data gateway.

Answer Area

Correct Answer:

Actions

- Create an Azure virtual machine that runs Windows Server 2016.
- From an Azure virtual machine, install an on-premises data gateway.
-
-
-

Answer Area

- From an on-premises computer, install an on-premises data gateway.
- From the Azure portal, create an on-premises data gateway.
- From the Logic Apps Designer in the Azure portal, add a connector.

QUESTION 6

DRAG DROP

You need to identify the appropriate sizes for the Azure virtual machines.

Which five 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

- From VM1, connect to the collector virtual machine and run the Azure Migrate Collector.
- From VM1, connect to the collector virtual machine and run the Azure Site recovery deployment planner.
- From Microsoft Download Center, download the Azure Site Recovery deployment planner.
- From the Azure portal, create an Azure Migrate assessment.
- From VM1, run the Deploy OVF Template wizard.
- From the Azure portal, create an Azure Migrate project.
- From the Azure portal, download an OVA file.

Answer Area

Empty answer boxes for the first question.

Correct Answer:

Actions

- From VM1, connect to the collector virtual machine and run the Azure Site recovery deployment planner.
- From Microsoft Download Center, download the Azure Site Recovery deployment planner.

Answer Area

- From the Azure portal, create an Azure Migrate project.
- From the Azure portal, download an OVA file.
- From VM1, run the Deploy OVF Template wizard.
- From VM1, connect to the collector virtual machine and run the Azure Migrate Collector.
- From the Azure portal, create an Azure Migrate assessment.

References: <https://docs.microsoft.com/en-us/azure/migrate/tutorial-assessment-vmware>

QUESTION 7

HOTSPOT

You have an Azure web app named App1 that has two deployment slots named Production and Staging. Each slot has the unique settings shown in the following table.

Setting	Production	Staging
Web sockets	Off	On
Custom domain name	App1-prod.contoso.com	App1-staging.contoso.com

You perform a slot swap.

What are the configurations of the Production slot after the swap? To answer, select the appropriate options in the answer area.

NOTE: Each correction is worth one point.

Hot Area:

Answer Area

Web sockets:

Custom domain name:

Correct Answer:

Answer Area

Web sockets:

Custom domain name:

QUESTION 8

You have an Azure subscription named Subscription1.

In Subscription1, you create an Azure web app named WebApp1. WebApp1 will access an external service that requires certificate authentication.

You plan to require the use of HTTPS to access WebApp1.

You need to upload certificates to WebApp1.

In which formats should you upload the certificate? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Certificate format for HTTPS access:

<input type="checkbox"/>
CER
CRL
CRT
PFX

Certificate format for external service access:

<input type="checkbox"/>
CER
CRL
CRT
PFX

Correct Answer:

Answer Area

Certificate format for HTTPS access:

CER
CRL
CRT
PFX

Certificate format for external service access:

CER
CRL
CRT
PFX

A PFX file contains the public key file (SSL Certificate) and its unique private key file. This is required for HTTPS access. The web app will distribute the public key (in a CER file) to clients that connect to the web app. The CER file is an SSL Certificate which has the public key of the external service. The external service will have the private key associated with the public key contained in the CER file.

QUESTION 9

You plan to connect a virtual network named VNET1017 to your on-premises network by using both an Azure ExpressRoute and a site-to-site VPN connection. You need to prepare the Azure environment for the planned deployment. The solution must maximize the IP address space available to Azure virtual machines. What should you do from the Azure portal before you create the ExpressRoute and the VPN gateway?

A. Check the answer in explanation.

Correct Answer: A

See below.

We need to create a Gateway subnet

Step 1:

Go to More Services > Virtual Networks

Step 2:

Then click on the VNET1017, and click on subnets. Then click on gateway subnet.

Step 3:

In the next window define the subnet for the gateway and click OK It is recommended to use /28 or /27 for gateway subnet.

As we want to maximize the IP address space we should use /27.

References:

<https://blogs.technet.microsoft.com/canitpro/2017/06/28/step-by-step-configuring-a-site-to-site-vpn-gateway-between-azure-and-on-premise/> Topic 8, Mix Questions Set E (Security Identities)

QUESTION 10

You discover that VM3 does NOT meet the technical requirements.

You need to verify whether the issue relates to the NSGs.

What should you use?

- A. Diagram in VNet1
- B. the security recommendations in Azure Advisor
- C. Diagnostic settings in Azure Monitor
- D. Diagnose and solve problems in Traffic Manager Profiles
- E. IP flow verify in Azure Network Watcher

Correct Answer: E

Scenario: Contoso must meet technical requirements including:

Ensure that VM3 can establish outbound connections over TCP port 8080 to the applications servers in the Montreal office.

IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule

that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.

References:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

QUESTION 11

You have an Azure subscription named Subscription1 and two Azure Active Directory (Azure AD) tenants named Tenant1 and Tenant2.

Subscription1 is associated to Tenant1. Multi-factor authentication (MFA) is enabled for all the users in Tenant1.

You need to enable MFA for the users in Tenant2. The solution must maintain MFA for Tenant1.

What should you do first?

- A. Transfer the administration of Subscription1 to a global administrator of Tenant2
- B. Configure the MFA Server setting in Tenant1.
- C. Create and link a subscription to Tenant2.
- D. Change the directory for Subscription1.

Correct Answer: C

QUESTION 12

You have an Azure subscription that contains an Azure Service Bus named Bus1.

Your company plans to deploy two Azure web apps named App1 and App2. The web apps will create messages that have the following requirements:

Each message created by App1 must be consumed by only a single consumer

Each message created by App2 will be consumed by multiple consumers.

Which resource should you create for each web app? To answer, drag the appropriate resources to the correct web apps. Each resource 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:

Resource

A Service Bus queue	A Service Bus topic
An Azure Event Grid topic	Azure Blob storage

Answer Area

App1	
App2	

Correct Answer:

Resource

An Azure Event Grid topic	Azure Blob storage

Answer Area

App1	A Service Bus queue
App2	A Service Bus topic

App1: A service Bus queue

In Queues each message is processed by a single consumer.

App2: A Service Bus topic

In contrast to queues, in which each message is processed by a single consumer, topics and subscriptions provide a one-to-many form of communication, in a publish/subscribe pattern.

<https://www.codit.eu/blog/exploring-azure-event-grid-are-service-bus-topic-dead/>

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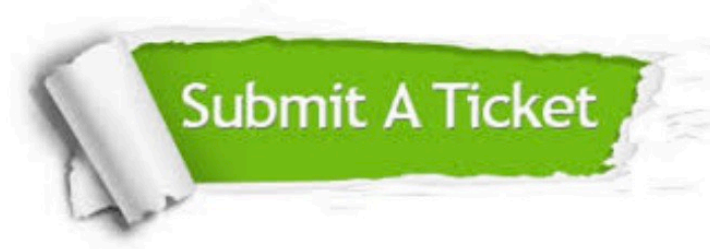
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