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## Microsoft Developing Solutions for Microsoft Azure Sample Questions (Q361-Q366):

### NEW QUESTION # 361

You need to ensure that PolicyLib requirements are met.

How should you complete the code segment? To answer, drag the appropriate code segments to the correct locations. Each code segment 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.

Code segments
Process
Initialize
telemetry.Sequence
ITelemetryProcessor
ITelemetryInitializer
telemetry.Context
EventGridController.EventId.Value
((EventTelemetry)telemetry).Properties["EventId"]

**Answer Area**

```
public class IncludeEventId : code segment
{
    public void code segment (code segment .Properties["EventId"] =
        code segment ;
    }
}
```

### Answer:

Explanation:

Code segments
Process
Initialize
telemetry.Sequence
ITelemetryProcessor
ITelemetryInitializer
telemetry.Context
EventGridController.EventId.Value
((EventTelemetry)telemetry).Properties["EventId"]

**Answer Area**

```
public class IncludeEventId : ITelemetryInitializer
{
    public void Initialize (ITelemetryProcessor .Properties["EventId"] =
        EventGridController.EventId.Value ;
    }
}
```

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/api-filtering-sampling>

## NEW QUESTION # 362

You need to migrate on-premises shipping data to Azure.

What should you use?

- A. AzCopy
- B. Azure Cosmos DB Data Migration tool (dt.exe)
- C. Azure Migrate
- D. **Azure Database Migration service**

### Answer: D

Explanation:

Explanation

Migrate from on-premises or cloud implementations of MongoDB to Azure Cosmos DB with minimal downtime by using Azure Database Migration Service. Perform resilient migrations of MongoDB data at scale and with high reliability.

Scenario: Data migration from on-premises to Azure must minimize costs and downtime.

The application uses MongoDB JSON document storage database for all container and transport information.

References:

<https://azure.microsoft.com/en-us/updates/mongodb-to-azure-cosmos-db-online-and-offline-migrations-are-now/>

Topic 1, Windows Server 2016 virtual machine

Case study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the button to return to the question.

Current environment

Windows Server 2016 virtual machine

The virtual machine (VM) runs BizTalk Server 2016. The VM runs the following workflows:

\* Ocean Transport - This workflow gathers and validates container information including container contents and arrival notices at various shipping ports.

\* Inland Transport - This workflow gathers and validates trucking information including fuel usage, number of stops, and routes.

The VM supports the following REST API calls:

\* Container API - This API provides container information including weight, contents, and other attributes.

\* Location API - This API provides location information regarding shipping ports of call and tracking stops.

\* Shipping REST API - This API provides shipping information for use and display on the shipping website.

Shipping Data

The application uses MongoDB JSON document storage database for all container and transport information.

Shipping Web Site

The

site displays shipping container tracking information and container contents. The site is located at <http://shipping.wideworldimporters.com/>

Proposed solution

The on-premises shipping application must be moved to Azure. The VM has been migrated to a new Standard\_D16s\_v3 Azure VM by using Azure Site Recovery and must remain running in Azure to complete the BizTalk component migrations. You create a Standard\_D16s\_v3 Azure VM to host BizTalk Server. The Azure architecture diagram for the proposed solution is shown below:



Requirements

Shipping Logic app

The Shipping Logic app must meet the following requirements:

- \* Support the ocean transport and inland transport workflows by using a Logic App.
- \* Support industry-standard protocol X12 message format for various messages including vessel content details and arrival notices.
- \* Secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.
- \* Maintain on-premises connectivity to support legacy applications and final BizTalk migrations.

Shipping Function app

Implement secure function endpoints by using app-level security and include Azure Active Directory (Azure AD).

REST APIs

The REST API's that support the solution must meet the following requirements:

- \* Secure resources to the corporate VNet.
- \* Allow deployment to a testing location within Azure while not incurring additional costs.
- \* Automatically scale to double capacity during peak shipping times while not causing application downtime.
- \* Minimize costs when selecting an Azure payment model.

Shipping data

Data migration from on-premises to Azure must minimize costs and downtime.

Shipping website

Use Azure Content Delivery Network (CDN) and ensure maximum performance for dynamic content while minimizing latency and costs.

Issues

Windows Server 2016 VM

The VM shows high network latency, jitter, and high CPU utilization. The VM is critical and has not been backed up in the past. The VM must enable a quick restore from a 7-day snapshot to include in-place restore of disks in case of failure.

Shipping website and REST APIs

The following error message displays while you are testing the website:

Failed

to load <http://test-shippingapi.wideworldimporters.com/>: No

'Access-Control-Allow-Origin' header is present on the requested resource. Origin '

<http://test.wideworldimporters.com/>' is therefore not allowed access.

## NEW QUESTION # 363

You plan to deploy a new application to a Linux virtual machine (VM) that is hosted in Azure.

The entire VM must be secured at rest by using industry-standard encryption technology to address organizational security and compliance requirements.

You need to configure Azure Disk Encryption for the VM.

How should you complete the Azure Cli commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

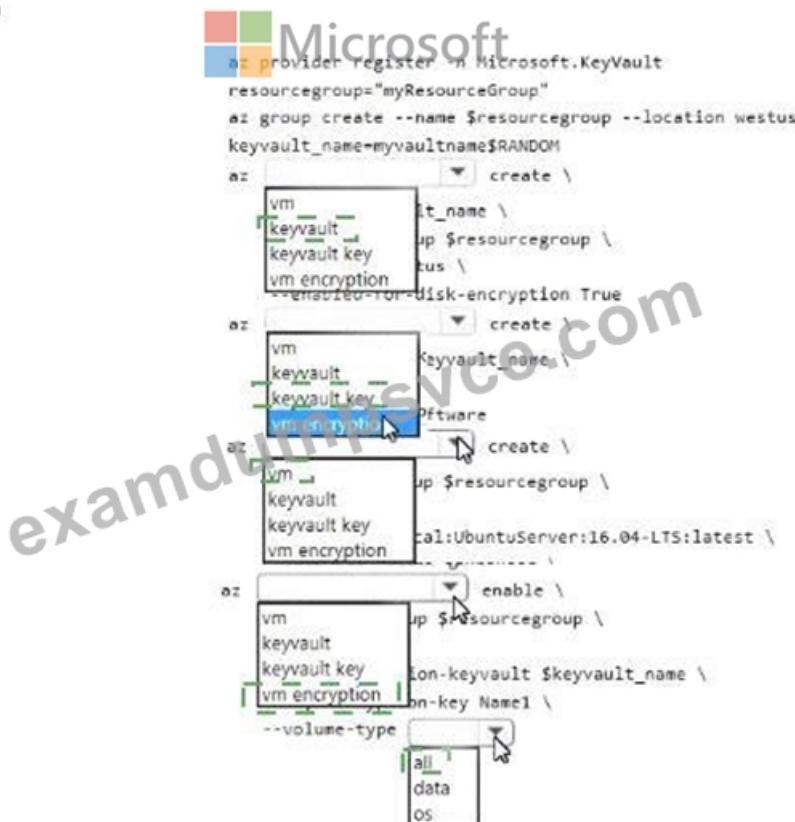


```
az provider register -n Microsoft.KeyVault
resourcegroup="myResourceGroup"
az group create --name $resourcegroup --location westus
keyvault_name=myvaultname$RANDOM
az vm create \
    --name $vm_name \
    --resource-group $resourcegroup \
    --os-type Linux \
    --enable-disk-encryption True
az vm create \
    --name $vm_name \
    --resource-group $resourcegroup \
    --os-type Linux \
    --image "Canonical:UbuntuServer:16.04-LTS:latest" \
    --enable-disk-encryption True
az vm enable \
    --resource-group $resourcegroup \
    --key-vault $keyvault_name \
    --key-name $key_name \
    --volume-type all
```

**Answer:**

Explanation:

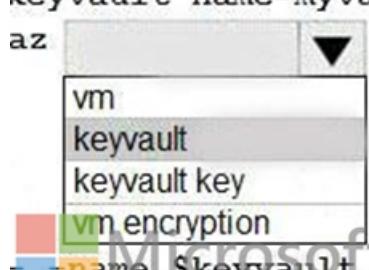
Answer Area



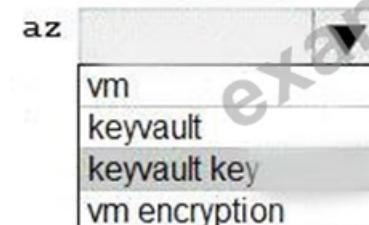
```
az provider register -n Microsoft.KeyVault
resourcegroup="myResourceGroup"
az group create --name $resourcegroup --location westus
keyvault_name=myvaultname$RANDOM
az vm create \
    --name $vm_name \
    --resource-group $resourcegroup \
    --os-type Linux \
    --enable-disk-encryption True
az vm create \
    --name $vm_name \
    --resource-group $resourcegroup \
    --os-type Linux \
    --image "Canonical:UbuntuServer:16.04-LTS:latest" \
    --enable-disk-encryption True
az vm enable \
    --resource-group $resourcegroup \
    --key-vault $keyvault_name \
    --key-name $key_name \
    --volume-type all
```

Explanation

```
az provider register -n Microsoft.KeyVault
resourcegroup= "myResourceGroup"
az group create - --name $resourcegroup - --location westus
keyvault name=myvaultname$RANDOM
az create\
```



```
az create\
```



```
- --vault-name $keyvault_name\
- -name Name1 \
--location eastus
```

```

az create\

  vm
  keyvault
  keyvault key
  vm encryption

- --resource-group $resourcegroup \
- --name Name2
- --image Canonical:UbuntuServer:16.04-LTS:latest \
- --admin-username azureuser \
- --generate-ssh-keys \
- --data-disk-sizes-gb 5

az create\

  vm
  keyvault
  keyvault key
  vm encryption

- --resource-group $resourcegroup \
- --name Name2 \
- --disk-encryption-keyvault $keyVault_name \
- --key-encryption-key Name1 \
- --volume-type

Microsoft

  all
  data
  OS

```

#### Box 1: keyvault

Create an Azure Key Vault with az keyvault create and enable the Key Vault for use with disk encryption.

Specify a unique Key Vault name for keyVault\_name as follows:

keyVault\_name=myvaultname\$RANDOM

az keyvault create \

--name \$keyVault\_name \

--resource-group \$resourcegroup \

--location eastus \

--enabled-for-disk-encryption True

#### Box 2: keyvault key

The Azure platform needs to be granted access to request the cryptographic keys when the VM boots to decrypt the virtual disks.

Create a cryptographic key in your Key Vault with az keyvault key create. The following example creates a key named myKey:

az keyvault key create \

--vault-name \$keyVault\_name \

--name myKey \

--protection software

#### Box 3: vm

Create a VM with az vm create. Only certain marketplace images support disk encryption. The following example creates a VM named myVM using an Ubuntu 16.04 LTS image:

az vm create \

--resource-group \$resourcegroup \

--name myVM \

--image Canonical:UbuntuServer:16.04-LTS:latest \

--admin-username azureuser \

--generate-ssh-keys \

#### Box 4: vm encryption

Encrypt your VM with az vm encryption enable:

```
az vm encryption enable \
--resource-group $resourcegroup \
--name myVM \
--disk-encryption-keyvault $keyvault_name \
--key-encryption-key myKey \
--volume-type all
```

Note: seems to an error in the question. Should have enable instead of create.

#### Box 5: all

Encrypt both data and operating system

References:

<https://docs.microsoft.com/bs-latn-ba/azure/virtual-machines/linux/encrypt-disks>

### NEW QUESTION # 364

You have a web app named MainApp. You are developing a triggered App Service background task by using the WebJobs SDK. This task automatically invokes a function code whenever any new data is received in a queue.

You need to configure the services.

Which service should you use for each scenario? To answer, drag the appropriate services to the correct scenarios. Each service 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.

Services	Scenario	Service
Logic Apps	Process a queue data item.	
WebJobs	Manage all code segments from the same DevOps environment.	
Flow		

Answer:

Explanation:

Services	Scenario	Service
Logic Apps	Process a queue data item.	WebJobs
WebJobs	Manage all code segments from the same DevOps environment.	Flow
Flow		

Explanation:

Box 1: WebJobs

A WebJob is a simple way to set up a background job, which can process continuously or on a schedule. WebJobs differ from a cloud service as it gives you get less fine-grained control over your processing environment, making it a more true PaaS service.

Box 2: Flow

Incorrect Answers:

Azure Logic Apps is a cloud service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on premises, or both.

References:

<https://code.msdn.microsoft.com/Processing-Service-Bus-84db27b4>

### NEW QUESTION # 365

You are preparing to deploy an application to an Azure Kubernetes Service (AKS) cluster.

The application must only be available from within the VNet that includes the cluster.

You need to deploy the application.

How should you complete the deployment YAML? To answer, drag the appropriate YAML segments to the correct locations.

Each YAML segment 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.

Code segments

- Ingress
- Service
- LoadBalancer
- Deployment
- ingress.class
- azure-load-balancer-internal

**Answer Area**

```
apiVersion: v1
kind: Code segment
metadata:
  name: web-app
  annotations:
    service.beta.kubernetes.Code segment: "true"
spec:
  type: Code segment
  ports:
    - port: 80
  selector:
    app: web-app
```

### Answer:

Explanation:

Code segments

- Ingress
- Service
- LoadBalancer
- Deployment
- ingress.class
- azure-load-balancer-internal

**Answer Area**

```
apiVersion: v1
kind: Service
metadata:
  name: web-app
  annotations:
    service.beta.kubernetes.azure-load-balancer-internal: "true"
spec:
  type: LoadBalancer
  ports:
    - port: 80
  selector:
    app: web-app
```

Explanation

```

apiVersion: v1
kind: Service
metadata:
  name: web-app
  annotations:
    service.beta.kubernetes.io/azure-load-balancer-internal: "true"
spec:
  type: LoadBalancer
  ports:
  - port: 80
  selector:
    app: web-app

```

To create an internal load balancer, create a service manifest named internal-lb.yaml with the service type LoadBalancer and the azure-load-balancer-internal annotation as shown in the following example:

YAML:

```

apiVersion: v1
kind: Service
metadata:
  name: internal-app
  annotations:
    service.beta.kubernetes.io/azure-load-balancer-internal: "true"
spec:
  type: LoadBalancer
  ports:
  - port: 80
  selector:
    app: internal-app

```

References:  
<https://docs.microsoft.com/en-us/azure/aks/internal-lb>

## NEW QUESTION # 366

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