AZ-303^{Q&As}

Microsoft Azure Architect Technologies

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QUESTION 1

You have Azure virtual machines deployed to three Azure regions. Each region contains a single virtual network that has four virtual machines on the same subnet. Each virtual machine runs an application named App1. App1 is accessible by

using HTTPS. Currently, the virtual machines are inaccessible from the internet.

You need to use Azure Front Door to load balance requests for App1 across all the virtual machines.

Which additional Azure service should you provision?

A. a public Azure Load Balancer

B. Azure Traffic Manager

C. an internal Azure Load Balancer

D. Azure Private Link

Correct Answer: A

QUESTION 2

A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines (VMs) based on an Azure Marketplace VM image. You need to design the infrastructure for the third-party application server. The solution must meet the following requirements:

1.

The number of VMs that are running at any given point in time must change when the user workload changes.

2.

When a new version of the application is available in Azure Marketplace it must be deployed without causing application downtime.

3.

Use VM scale sets.

4.

Minimize the need for ongoing maintenance.

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

NOTE: Each correct selection is worth one point.

A. single storage account

B. autoscale

C. single placement group

D. managed disks

Correct Answer: BD

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.

Your company is deploying an on-premises application named Appl.

Users will access App1 by using a URL of https://app1.contoso.com.

You register App1 in Azure Active Directory (Azure AD) and publish Appl by using the Azure AD Application Proxy.

You need to ensure that Appl appears in the My Apps portal for all the users.

Solution: You create a conditional access policy for App1.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 4

HOTSPOT

You have an Azure web app named App1 that has the following configurations:

1.

The app runs on three instances.

2.

The minimum number of instances is one.

3.

The maximum number of instances is five.

You create the following autoscale rules for App1:

1.

Decrease the instance count by one when the CPU percentage is less than 30.

2.

Decrease the instance count by one when the memory percentage is less than 50.

3.

Increase the instance count by one when the CPU percentage is greater than 80.

4.

Increase the instance count by one when the memory percentage is greater than 75.

You expect App1 to be utilized as shown in the following table.

Day	Hours	CPU	Memory
Monday to Friday	08:00 to 23:59	85%	40%
Monday to Friday	00:00 to 07:59	25%	60%
Saturday to Sunday	00:00 to 23:59	30%	55%

You need to identify the maximum number of instances that will be used by App1 during the expected periods of utilization.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Monday to Friday 00:00–07:59:

▼
1
2
3
4
5

Monday to Friday 08:00–23:59:

▼
1
2
3
4
5

Saturday to Sunday 00:00-23:59:

▼
1
2
3
4
5

Correct Answer:

Answer Area

Monday to Friday 00:00–07:59:

▼
1
2
3
4
5

Monday to Friday 08:00–23:59:

▼
1
2
3
4
5

Saturday to Sunday 00:00-23:59:

▼
1
2
3
4
5

On scale out, autoscale runs if any rule is met. On scale-in, autoscale requires all rules to be met. Therefore, the web app will scale out but will never scale back in because there is no time where the CPU is less than 30% AND the memory is less than 50%.

QUESTION 5

Note: This question is part of 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 have an Azure Cosmos DB database that contains a container named Container1. The partition key for Container1 is set to /day. Container1 contains the items shown in the following table.

Name	Content

Item1	{
	  "id": "1",
	  "day": "Mon",
	  "value" : "10"
	}

Item2	{
	  "id": "2",
	  "day": "Mon",
	  "value" : "15"
	}

Item3	{
	  "id": "3",
	  "day": "True",
	  "value" : "10"
	}

Item4	{
	  "id": "4",
	  "day": "Wed",
	  "value" : "15"
	}

You need to programmatically query Azure Cosmos DB and retrieve item1 and item2 only. Solution: You run the following query.

```
SELECT id FROM c
    WHERE c.day = "Mon"
```

You set the EnableCrossPartitionQuery property to True. Does this meet the goal?

A. Yes

B. No

Correct Answer: A

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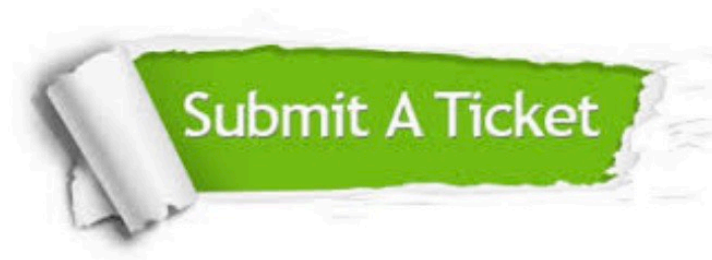Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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