Microsoft Azure Fundamentals

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Question 1

You have an on-premises network that contains several servers.
You plan to migrate all the servers to Azure.

You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period.

What should you include in the recommendation?

Options:

A. fault tolerance

B. elasticity

C. scalability

D. low latency

Explanation:

Answer: A

Explanation:
ce is the ability of a system to continue to function in the event of a failure of some of its components.
In this question, you could have servers that are replicated across datacenters.

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there are a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures.

With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. By architecting your solutions to use replicated VMs in zones, you can protect your applications and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability
Explanation:

Question 2

This question requires that you evaluate the underlined text to determine if it is correct.

An organization that hosts its infrastructure in a private cloud can decommission its data center.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

Options:

A. No change is needed.

B. in a hybrid cloud

C. in the public cloud

D. on a Hyper-V host

Explanation:

Answer: C

Explanation:
ud is hosted in your datacenter. Therefore, you cannot close your datacenter if you are using a private cloud.
A public cloud is hosted externally, for example, in Microsoft Azure. An organization that hosts its infrastructure in a public cloud can close its data center.
Public cloud is the most common deployment model. In this case, you have no local hardware to manage or keep up-to-date everything runs on your cloud provider's hardware.

Microsoft Azure is an example of a public cloud provider.

In a private cloud, you create a cloud environment in your own datacenter and provide self-service access to compute resources to users in your organization.

This offers a simulation of a public cloud to your users, but you remain completely responsible for the purchase and maintenance of the hardware and software services you provide.

https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

Explanation:

Question 3

What are two characteristics of the public cloud? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

Options:

A. dedicated hardware

B. unsecured connections

C. limited storage

D. metered pricing

E. self-service management

Explanation:

Answer: D, E

Explanation:

ic cloud, you get pay-as-you-go pricing – you pay only for what you use, no CapEx costs.

With the public cloud, you have self-service management. You are responsible for the deployment and configuration of the cloud resources such as virtual machines or web sites. The underlying hardware that hosts the cloud resources is managed by the cloud provider.

https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

Explanation:

Question 4

This question requires that you evaluate the underlined text to determine if it is correct.

When planning to migrate a public website to Azure, you must plan to pay monthly usage costs.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

Options:

A. No change is needed

B. Deploy a VPN

C. pay to transfer all the website data to Azure

D. reduce the number of connections to the website

Explanation:

Answer: A

Explanation:
only pay for outbound traffic which is charged in GB as you are entitled to 5GB in a
month but afterwards you pay for data being transferred out. However, with inbound data traffic into
your environment, this is free.
Explanation:

Question 5
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Explanation:

Options:

A.

Statements	Yes	No
A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.	◯	◉
A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically .	◉	◯
A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	◉	◯

Answer: A

Explanation:
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Explanation:

Question 6

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure provides flexibility between capital expenditure (CapEx) and operational exponditure (OpEx).	◉	○
If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	○	◉
When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	◉	○

Explanation:

Options:

A. Option is correct.

Explanation:

Answer: A

Explanation:

rrect.

Explanation:

Question 7

This question requires that you evaluate the underlined text to determine if it is correct.

When you are implementing a software as a service (SaaS) solution, you are responsible for configuring high availability.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

Options:

A. No change is needed.

B. defining scalability rules

C. installing the SaaS solution

D. configuring the SaaS solution

Answer: D

Explanation:

Explanation:

Question 8

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.

An Azure administrator plans to run a PowerShell script that creates Azure resources.
You need to recommend which computer configuration to use to run the script.
Solution: Run the script from a computer that runs Linux and has the Azure CLI tools installed.
Does this meet the goal?

Options:

A. Yes

B. No

Answer: B

Explanation:

Section: Understand Core Azure Services
Explanation:

Question 9

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.

An Azure administrator plans to run a PowerShell script that creates Azure resources.
You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Chrome OS and uses Azure Cloud Shell.
Does this meet the goal?

Options:

A. Yes

B. No

Answer: B

Explanation:

Section: Understand Core Azure Services
Explanation:

Question 10

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.

An Azure administrator plans to run a PowerShell script that creates Azure resources.
You need to recommend which computer configuration to use to run the script.
Solution: Run the script from a computer that runs macOS and has PowerShell Core 6.0 installed.
Does this meet the goal?

Options:

A. Yes

B. No

Answer: A

Explanation:

Section: Understand Core Azure Services
Explanation:

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