

Architecting Microsoft Azure Solutions

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Question 1

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.

A company has custom ASP.net and Java applications that run on old versions of Windows and Linux. The company plans to place applications in containers.

You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.

Solution: You create an Azure virtual network, a public IP address, and load balancer. Then add virtual machines (VMs) to the solution and deploy individual containers on them.

Does the solution meet the goal?

Options:

A. Yes

B. No

Answer: B

Question 2

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.

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A company has custom ASP.net and Java applications that run on old versions of Windows and Linux. The company plans to place applications in containers.

You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.

Solution: You deploy each application to an Azure Web App that has container support.

Does the solution meet the goal?

Options:

A. Yes

B. No

Answer: B

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.

A company has custom ASP.net and Java applications that run on old versions of Windows and Linux. The company plans to place applications in containers.

You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.

Solution: Deploy a Kubernetes cluster that has the desired number of instances of the applications.

Does the solution meet the goal?

Options:

A. Yes

B. No

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/container-service/kubernetes/container-service-intro-kubernetes>

Question 4

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 are designing a storage solution to support on-premises resources and Azure-hosted resources.

You need to provide on-premises storage that has built-in replication to Azure.

Solution: You include Azure Table storage in the design.

Does this solution meet the goal?

Options:

A. Yes

B. No

Answer: B

Question 5

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 are designing a storage solution to support on-premises resources and Azure-hosted resources. You need to provide on-premises storage that has built-in replication to Azure.

Solution: You include Azure Blob storage in the design.

Does this solution meet the goal?

Options:

A. Yes

B. No

Answer: B

Question 6

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 are designing a storage solution to support on-premises resources and Azure-hosted resources. You need to provide on-premises storage that has built-in replication to Azure.

Solution: You include Azure StorSimple storage in the design.

Does this solution meet the goal?

Options:

A. Yes

B. No

Answer: A

Explanation:

References:

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

Question 7

You are designing an Azure Web App that includes many static content files.

The application is accessed from locations all over the world by using a custom domain name.

You need to recommend an approach for providing access to the static content with the least amount of latency.

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

NOTE: Each correct selection is worth one point.

Options:

- A. Place the static content in Azure Blob storage and enable Content Delivery Network (CDN) on the account.
- B. Place the static content in Azure Table storage.
- C. Configure a custom domain name that is an alias for the Azure Storage domain.
- D. Configure a CNAME DNS record for the Azure Content Delivery Network (CDN) domain.

Answer: C, D

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/architecture/best-practices/cdn>

Question 8

You are designing a microservices architecture that will support a web application.

The solution must meet the following requirements:

-

Allow independent upgrades to each microservice.

-

Deploy the solution on-premises and to Azure.

-

Set policies for performing automatic repairs to the microservices.

▪

Support low-latency and hyper-scale operations.

You need to recommend a technology.

What should you recommend?

Options:

A. Azure Container Instance

B. Azure Container Service

C. Azure Virtual Machine Scale Set

D. Azure Service Fabric

Answer: D

Explanation:

References:

<https://msdn.microsoft.com/en-us/magazine/mt595752.aspx>

Question 9

DRAG DROP

A company runs multiple line-of-business applications in a Kubernetes container cluster. Source code for the applications resides in a version control repository which is a part of a continuous integration/continuous deployment (CI/CD) solution.

You must be able to upgrade containerized applications without downtime after all tests and reviews have completed successfully.

You need to recommend steps to go from source code to updated applications so that they can be automated in the CI/CD solution.

Which four actions should you recommend be performed 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

- Update the DNS CNAME record of the application.
- Update the container.
- Push the image to the registry.
- Build the application.
- Change the Azure Service Definition schema.
- Reconfigure the routing tables.
- Change the Azure Service Configuration file.
- Build the container image with the application.

Answer Area

Options:

A.

Actions

- Update the DNS CNAME record of the application.
-
-
-
- Change the Azure Service Definition schema.
- Reconfigure the routing tables.
- Change the Azure Service Configuration file.
-

Answer Area

Build the application.
Build the container image with the application.
Push the image to the registry.
Update the container.

Answer: A

Explanation:

d Questions
Explanation:

References:

<https://docs.microsoft.com/en-us/vsts/build-release/apps/cd/azure/deploy-container-kubernetes>

Question 10

You have a customer database on your internal network. The database supports an application that your sales organization uses. You plan to migrate the application to the cloud.

All customer data must remain inside the corporate network.

You need to ensure that the application can access the customer data without affecting network security. What should you do?

Options:

- A. Open the ports required to access the database in the network firewall.
- B. Use Microsoft Azure Service Bus Relay to expose and consume a SOAP web service with TCP.
- C. Configure Direct Access on the virtual network.
- D. Create a Site-to-Site VPN connection.

Answer: C

Explanation:

References:

<https://docs.microsoft.com/en-us/windows-server/remote/remote-access/directaccess/directaccess>

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