



AZ-305^{Q&As}

Designing Microsoft Azure Infrastructure Solutions

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**QUESTION 1**

A company has an on-premises file server cbflserver that runs Windows Server 2019.

Windows Admin Center manages this server. The company owns an Azure subscription.

You need to provide an Azure solution to prevent data loss if the file server fails.

Solution: You decide to register Windows Admin Center in Azure and then configure Azure Backup.

Would this meet the requirement?

A. Yes

B. No

Correct Answer: A

QUESTION 2**HOTSPOT**

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (Azure AD) tenant
East	Sub1, Sub2	East.contoso.com
West	Sub3, Sub4	West.contoso.com

You plan to deploy a custom application to each subscription. The application will contain the following:

1.

A resource group

2.

An Azure web app

3.

Custom role assignments

4.

An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription.



What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Management groups:

<input type="checkbox"/>	▼
1	
2	
3	
4	

Blueprint definitions:

<input type="checkbox"/>	▼
1	
2	
3	
4	

Blueprint assignments:

<input type="checkbox"/>	▼
1	
2	
3	
4	

Correct Answer:



Management groups:

1
2
3
4

Blueprint definitions:

1
2
3
4

Blueprint assignments:

1
2
3
4

Box 1: 2

One management group for East, and one for West.

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is

available to assign to any child subscription of that management group.

Box 2: 2

Box 3: 4

One assignment for each subscription.

"Assigning a blueprint definition to a management group means the assignment object exists at the management group. The deployment of artifacts still targets a subscription. To perform a management group assignment, the Create Or

Update REST API must be used and the request body must include a value for properties.scope to define the target subscription." <https://docs.microsoft.com/en-us/azure/governance/blueprints/overview#blueprint-assignment>

QUESTION 3

HOTSPOT



You are designing an application that will use Azure Linux virtual machines to analyze video files. The files will be uploaded from corporate offices that connect to Azure by using ExpressRoute.

You plan to provision an Azure Storage account to host the files.

You need to ensure that the storage account meets the following requirements:

1.

Supports video files of up to 7 TB

2.

Provides the highest availability possible

3.

Ensures that storage is optimized for the large video files

4.

Ensures that files from the on-premises network are uploaded by using ExpressRoute

How should you configure the storage account? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Storage account type:

Premium file shares
Premium page blobs
Standard general-purpose v2

Data redundancy:

Geo-redundant storage (GRS)
Locally-redundant storage (LRS)
Zone-redundant storage (ZRS)

Networking:

Azure Route Server
A private endpoint
A service endpoint

These are the selections for Data redundancy

Correct Answer:



Storage account type:

Premium file shares
Premium page blobs
Standard general-purpose v2

Data redundancy:

Geo-redundant storage (GRS)
Locally-redundant storage (LRS)
Zone-redundant storage (ZRS)

Networking:

Azure Route Server
A private endpoint
A service endpoint

These are the selections for Data redundancy

QUESTION 4

You have an Azure subscription that contains 1,000 resources.

You need to generate compliance reports for the subscription. The solution must ensure that the resources can be grouped by department.

What should you use to organize the resources?

- A. application groups and quotas
- B. Azure Policy and tags
- C. administrative units and Azure Lighthouse
- D. resource groups and role assignments

Correct Answer: B

Compliance Report using Azure Policy Azure Policy is a powerful tool for Azure Governance. With Azure Policy we can define rules for all Azure Subscriptions the we manage. We can use this rules for simple limitation actions, like permitting only specific VM Series and Sizes that can be created and also more complex rule sets that helps you standardize the whole Azure deployment.

Enforce tags for resource creation So, why tags? Why we need to add tags to all Azure resources? The Microsoft Azure environments are getting bigger and bigger and managed by multiple people and teams. That makes it difficult to understand who created a resource and what is the purpose of that resource. Another critical matter that we need tags is Cost Management. At the Azure Cost Management Portal, we can sort and arrange the resource cost using the Tags. This way we can provide an expense dashboard with the actual cost of the resources per department, project or whatever tags we have added to the Resource.

Reference: <https://www.cloudcorner.gr/microsoft/azure/compliance-report-using-azure-policy/>
<https://www.cloudcorner.gr/microsoft/azure-policy-enforce-tags-for-resource-creation/>

QUESTION 5



What should you recommend to meet the monitoring requirements for App2?

- A. Microsoft Sentinel
- B. Azure Application Insights
- C. Container insights
- D. VM insights

Correct Answer: B

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