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EXAM AZ-900 TOPIC 1 QUESTION 152 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 152

Topic #: 1

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HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines

- to the same Azure region.
- by using the same Azure Resource Manager template.
- to the same resource group.
- to the same availability zone.

Show Suggested Answer

by [Acresder](#) at Feb. 8, 2021, 8:31 a.m.

Comments

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  **panal** Highly Voted 3 years, 8 months ago

Correct Answer

   upvoted 35 times

  **Acresder** Highly Voted 3 years, 8 months ago


Is it not possible to use an ARM template for the same purpose? Or is that not possible? Even though Azure Resource is the "better" option.

   upvoted 16 times

  **clevermantmnd** 3 years, 8 months ago

This is about permissions, not about VMs. So AZ Resource Group is the best answer. Moreover, with AZ Resource, you can only delegate permission to that specific resource, not several VMs.

   upvoted 13 times

  **bytoki** 3 years, 4 months ago

ARM template is for provisioning resources based on the config. This question is asking you to edit permissions for VMs that are already deployed.

   upvoted 10 times

  **alexandru_chirita** 2 years, 11 months ago

It doesn't specify exactly that the virtual machines are already deployed. But I guess it is easier to move VMs to the same resource group and delegate permissions to the resource group.

I also consider the Azure Resource Manager delegating permissions because:

"When you onboard a customer to Azure Lighthouse, you use an Azure Resource Manager template along with a parameters file to define authorizations that grant access to delegated resources in the customer tenant. Each authorization specifies a principalId that corresponds to an Azure AD user, group, or service principal in the managing tenant, and a roleDefinitionId that corresponds to the Azure built-in role that will be granted."

<https://docs.microsoft.com/en-us/azure/lighthouse/how-to/deploy-policy-remediation>

   upvoted 1 times

  **BabieTee** 3 years, 7 months ago

the point is simultaneously. With templates it is affected only when the other vms is been spinned. But with resource group , all permission is passed to all resources within the group at same time.

   upvoted 34 times

  **TitoChuz** 2 years, 6 months ago

We cant set permitions on ARM templates according to my investigation.

One Important thing, We can't apply permission on Subscription level using ARM template. We can only apply permission on resource group and its resources.

<https://stackoverflow.com/questions/48284885/can-i-apply-permissions-through-an-arm-template#:~:text=One%20Important%20thing%2C%20We%20can%27t%20apply%20permission%20on,permission%20on%20resource%20group%20and%20its%20resources.%20Share>

   upvoted 9 times

  **dayanandthombare** Most Recent 1 year ago

C. to the same resource group.

This is the correct answer because you can manage access control and permissions more efficiently by deploying Azure virtual machines to the same resource group. Azure allows you to apply RBAC (Role-Based Access Control) to resource groups, which means you can grant the same permissions to multiple virtual machines in the same resource group simultaneously. It simplifies the process of delegating permissions across multiple VMs.

A. Deploying VMs to the same Azure region does not have any direct impact on the ability to delegate permissions. Regions define the physical location of data centers, not access control.

B. Using the same Azure Resource Manager template is a method for deploying VMs with similar configurations but doesn't directly relate to managing permissions or access control.

D. Deploying VMs to the same availability zone is a strategy for improving high availability and fault tolerance but doesn't inherently affect the delegation of permissions.

   upvoted 5 times

  **SAFM** 1 year ago

I think the correct answer is ARM templates. Here is a quote from the learning material: "With Azure Resource Manager, you can: [...] Apply access control to all services because RBAC is natively integrated into the management platform. [...]."

<https://www.microsoft.com/en-us/training/modules/deploy-azure-resources/4-deploy-azure-resources/>

<https://learn.microsoft.com/en-us/training/modules/describe-features-tools-manage-deploy-azure-resources/4-describe-azure-resource-manager-azure-arm-templates>

   upvoted 1 times

  **lerezende12** 1 year ago

Recursos/Objetos herdam as permissões e configurações do grupo de recursos.
Imagina que há um grupo de recurso com 3 recursos lá dentro.
A maneira mais rápida de configurar as mesmas permissões nos 3 simultaneamente, é atribuindo a permissão diretamente no grupo de recursos

   upvoted 1 times

  **Sanj2023** 1 year ago

The answer is incorrect. The correct answer is ARM Template.
"No, you cannot delegate permissions to several Azure virtual machines simultaneously by deploying Azure Virtual Machines to the same resource group. A resource group is a logical container for Azure resources, but it does not define the scope of role assignments. To delegate permissions to several Azure virtual machines simultaneously, you must use Azure Resource Manager Template, which is a JSON file that defines the resources and role assignments you need to deploy for your solution"

   upvoted 1 times

  **VinnyMacD** 1 year, 2 months ago



When you need to delegate permissions to several Azure virtual machines simultaneously, you must "deploy the Azure virtual machines"
Deploy - Means to create and setup a virtual machine. So these machines don't exist yet.
This means using "Same resource manager template" is the best option as the permission would be set while the machines are being created.
A Resource Manager template (usually written in JSON format) allows you to define and deploy a set of Azure resources together. This template can include the configuration for virtual machines, along with associated permissions and access control rules.

   upvoted 3 times

  **SAFM** 1 year ago

I think I agree more with this choice than the RG.

   upvoted 1 times

  **msmt** 1 year, 3 months ago

in the exam on 29jun2023

   upvoted 3 times

  **orlandoryo** 1 year, 7 months ago

I initially thought it was ARM, but the keyword here is "simultaneously", so Resource Group is the way to go.

   upvoted 3 times

  **JoeGuan** 1 year, 7 months ago

The azure resource template would allow you way more control. What if you need to deploy other 'things' in the resource group that do not require the same permissions? Plus, if the VMs need to be in different resource groups, but have the same permissions, then the template would allow you to apply permissions accordingly.

   upvoted 1 times

  **russtest** 1 year, 8 months ago

I thought you can only have one resource per resource group so how can you deploy several vm to a resource group badly worded question.

   upvoted 2 times

  **sideque** 1 year, 7 months ago

A resource group can contain multiple resources.
"A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group."

<https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/manage-resource-groups-portal>

   upvoted 1 times

  **buiducvu** 1 year, 10 months ago

Azure resources

   upvoted 1 times

  **TonyghostR05** 2 years ago

Resource Group for azure policy

   upvoted 1 times

  **TonyghostR05** 2 years ago


key words: permission

   upvoted 1 times

  **Pa1theAchiever** 2 years, 3 months ago

correct



   upvoted 1 times

  **silviogremio** 2 years, 4 months ago

Azure Resource Manager templates (ARM templates). The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

   upvoted 2 times

  **gtvish** 2 years, 4 months ago

Hello.. are you able to access all the questions ? I am unable to access all questions, can you help me by sharing your credentials ?

   upvoted 1 times

  **cuentaalternajsr** 2 years, 4 months ago

Es correcto!

   upvoted 1 times

  **examsycia** 2 years, 7 months ago

Correct Answer

   upvoted 1 times

  **tacobear** 2 years, 7 months ago

it was on exam on 03/12/2022.

   upvoted 2 times

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