Exam Session - Knowledge Check: Managing Azure Virtual Desktop Session Host Images

cloudacademy.com/quiz/exam/3731083/results

#1

In Azure, a _____ will set up an IP address on your private Azure network for you to use to directly access your image or deny any kind of network access at all.

✓

private endpoint

✗

public endpoint

✗

tag

✗

VM image

Explanation

Click Next, and here we have an option for adding network layer security to your images by using something called a private endpoint. Since Azure is a public cloud, you can reach all kinds of services in Azure if you have the right access and security. This particular feature will set up an IP address on your private Azure network for you to use to directly access your image or deny any kind of network access at all, which would also block the ability to export the snapshot from the cloud.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/snapshots/

#2

When deploying a session host using a golden image in Azure, if you choose _____ join, your VM will be a registered device within your Azure AD tenant and you have the option to also enable your device for Intune management.

✗

Azure Compute Gallery

✕

Azure Virtual Desktop

✕

Active Directory

✓

Azure Active Directory

Explanation

We have to make a choice of which kind of join we're going to do. Do you want Active Directory join or Azure Active Directory join? The second option is Azure Active Directory join, which is much simpler. Your VM will be a registered device within your Azure AD tenant and you have the option to also enable your device for Intune management.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/deploying-a-session-host/

#3

Using the Azure Image Builder requires an image _____, which describes the source image, updates, reboots, applications, and other customizations you need, all through code.

✓

template

✕

blueprint

✕

playbook

✕

resource

Explanation

To use the Azure Image Builder, we need a few things: an Azure subscription, a resource group, and an Azure user assigned managed ID so that the the Image Builder can access your subscription, which will also require a custom role, so Image Builder will only do what we allow it to do. Then we'll need an image template, and this will describe the source image, updates, reboots, applications, and other customizations you need, all through code.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/azure-image-builder/

#4

The Microsoft tool _____ makes it simple to locate globally unique identifiers and determine exactly how to remove them safely so that you can create new machines from a machine as an image.

✓

Sysprep

✗

Image Builder

✗

Compute Gallery

✗

Azure Virtual Desktop

Explanation

The problem with making an image from an existing system comes down to unique identifiers. When a system wants to communicate with another system, there has to be a way to uniquely identify each VM so the main system knows who it's talking to. These globally unique identifiers, or GUIDs, are all over the Windows Operating System and knowing where they are and exactly how to remove them safely, so that you can create new machines from this machine as an image, is extremely complicated. Thankfully, Microsoft has given us a tool to make this very simple. And that tool is called Sysprep.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/sysprep/

#5

We can automate the imaging process in Azure with the Azure _____.

✗

Image Replicator

✗

Image Desktop

✕

Image Gallery

✓

Image Builder

Explanation

We can automate the imaging process in Azure with the Azure Image Builder.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/azure-image-builder/

#6

In Azure, the term "_____" refers to your own certified custom VM image that you use to build out an application or environment.

✓

gold image

✕

template

✕

multi-session source

✕

source image

Explanation

The term "gold image" refers to your own certified custom image that you use to build out an application or environment.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/the-gold-image/

#7

If you're creating a new image version in Microsoft Compute Gallery, but are not ready to release it for general deployment, checking the "_____" option will give you a chance to test it privately without interfering with any new deployments that are going on.

✓

Exclude from Latest

✕

Version Number

✕

Automatically Delete

✕

Sandbox

Explanation

The final section contains the image details that will be stored in the Gallery, including the image definition, which is a container for your versions to go into. Then we have the checkbox to Exclude from Latest. Now, why would you want to do that? If you're creating a new image version, but are not ready to release it for general deployment, excluding will give you a chance to test privately without interfering with any new deployments that are going on.

🔗/course/managing-azure-virtual-desktop-session-host-images-2404/image-capture/ #8

How can you scale beyond the limit for simultaneous VM deployments for a custom image in Azure?

✕

Upgrade to a premium subscription.

✓

Create multiple replicas of your image in a single region.

✕

Create multiple replicas of your image in multiple regions.

✕

Check the "unlimited" box when configuring your image.

Explanation

A custom image in Azure is limited to deploying 20 virtual machines simultaneously. The way you can scale beyond that is by using the Gallery to create multiple replicas of your image in a single region, which can enable you to deploy up to 1000 VMs at once.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/image-capture/

#9

Which type of Azure snapshot works by snapshotting the differences between the virtual machine and the current state?

✕

non-redundant

✕

full

✓

incremental

✕

delta

Explanation

You have your snapshot type. For image creation snapshots, I always recommend a full instead of incremental. Incrementals work by snapshotting the differences between the virtual machine and the current state, and if I end up with a real big problem like OS corruption along the process, the incremental won't be able to do a complete restore.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/snapshots/

#10

_____ an image in Azure will save the generalized VM's OS disc as an image resource.

✓

Capturing

✕

Deploying

✕

Managing

✕

Snapshotting

Explanation

With our image customization completed successfully, and after testing, we'll find that our VM is still good, and we're ready to start the capture process. You can run Sysprep, which will shut down the VM. And then we'll go to the Azure Portal. Inside the virtual machine, at the top, you'll see a capture button. This will save the generalized VM's OS disc as an image resource, which can be either standalone, as a managed image, or an image in the Azure Compute Gallery.

🔗 /course/managing-azure-virtual-desktop-session-host-images-2404/image-capture/