Exam Session - Cert Prep: Configuring and Operating Microsoft Azure Virtual Desktop (AZ-140)

#1

You are a Systems Engineer who works for a company with an existing Azure Virtual Desktop (AVD) environment. A new RemoteApp called SALES-APP-01 was recently published to allow the sales division within the company access to a Line of Business (LOB) application.When the app was originally published it was appearing with the incorrect name. Your manager has asked you to amend the name of SALES-APP-01 so it appears as 'Sales LOB App' in the Remote Desktop client.Which PowerShell cmdlet do you need to use to achieve this requirement?

amend 修改

✗

Register-AzWvdApplicationGroup

✓

Update-AzWvdApplication

✗

New-AzADApplication

✗

Update-AzWvdApplicationGroup

Explanation

In this scenario, you need to update a specific remote application, not an application group. As you are updating, rather than creating a new remote app you need to use the Update-AzWvdApplication cmdlet.

🔗 https://docs.microsoft.com/en-us/powershell/module/az.desktopvirtualization/update-azwvdapplication?view=azps-7.4.0

#2

You are a Systems administrator for an organization that currently utilizes multiple Microsoft Cloud services. Your company has an existing Azure AD tenant and virtual network name AZ-VNET01. You have deployed an Azure AD Domain services instance to AZ-VNET01 which is linked to your Azure AD tenant.Your manager has asked you to deploy an Azure

Virtual Desktop host pool for testing to the AZ-VNET01. You need to ensure the session hosts join the Azure AD Domain you set up earlier.What should you do to ensure the session hosts join the correct domain instance?

✓

Modify the AZ-VNET01 DNS settings

✕

Implement Azure AD Sync

✕

Create a new DNS Zone within Azure

✕

Leave the DNS settings as the default

Explanation

The session hosts will need to be able to communicate with the Azure AD Domain Service instance to allow them to domain join. By default, VNET DNS is set to an azure DNS IP address and this will need to be changed to the IP addresses you are assigned when you provision the Azure AD Domain Services instance. By modifying this setting, you allow the session hosts to find the relevant domain during the domain join process when it does a lookup.

🔗 https://docs.microsoft.com/en-us/azure/dns/dns-delegate-domain-azure-dns

#3

You are a Support Technician who works for an organization that has an existing Azure Virtual Desktop (AVD) environment with several host pools, application groups, and a number of remote apps that integrates with Active Directory Domain Services. A recent security incident has made it, so the AVD environment is required to prevent sensitive information from being captured on client endpoint devices.Your manager has asked you to investigate how this can be facilitated and recommend a solution. Which of the following solutions do you recommend?

✕

Intune

✓

Group Policy

✗

Conditional Access Policy

✗

Defender for Cloud

Explanation

It is possible to configure screen capture protection via group policy, however, you need to download the Azure Virtual Desktop policy template files and install these onto a domain controller. You can then configure a computer configuration policy to prevent screen capturing on your AVD environment.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/screen-capture-protection
#4

You are a Support Engineer for an organization that has an existing Azure Virtual Desktop (AVD) environment to facilitate your remote workers. You have recently configured the AVD environment to Stop/Start all session host virtual machines (VMs) outside business hours.Your manager has asked you to find a method of isolating VMs that should not be stopped by this configuration.What should you configure?

facilitate 促进,帮助

✗

Remote Connection Gateway service

✗

Remote Desktop Diagnostics

✗

Azure Monitor

✓

An Azure Automation account variable

Explanation

The scaling tool within the Azure Automation account provides start and stop of VMs based on peak and off-peak business hours which meets the requirements for this question.

🔗 https://docs.microsoft.com/en-us/azure/automation/shared-resources/variables?tabs=azure-powershell
#5

You are a Cloud Services Engineer for an organization that utilizes Microsoft Cloud services. You have recently deployed an Azure Virtual Desktop host pool named MK-HP-01 for some testing with the Marketing department.You have a storage account named mksa01 that you are going to utilize to store FSLogix containers in a share named mkprofiles. You need to implement the path to the storage containers for the session hosts.Which path should you use?

✕

https://mksa01.file.core.windows.net/mkprofiles

✓

\\mksa01.file.core.windows.net\mkprofiles

✕

\\mksa01.blob.core.windows.net\mkprofiles

✕

https://mksa01.blob.core.windows.net/mkprofiles

Explanation

The correct path for the Azure Storage account with Azure Files storage is the storage account name, followed by file.core.windows.net and ending with the share name. The file.core.windows.net is the endpoint used for the Azure Files storage service, which is why this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows
#6

You are an Infrastructure Engineer who works for an organization that has an existing on-premises environment. Your team is currently planning and designing an Azure Virtual Desktop environment. One of the requirements is to ensure that users with iOS devices that have the Remote Desktop mobile app can connect to the feed URL by using email discovery, rather than entering the feed URL manually. Your manager has asked you to find out which type of DNS record you need to create in order to facilitate the iOS device requirement. Which of the following DNS record types below do you recommend be created?

✕

CNAME

✓

TXT ✓

✗

A

✗

SRV

Explanation

You are required to create a TXT record on your external DNS portal for your domain and use the record value URL https://rdweb.wvd.microsoft.com/api/arm/feeddiscovery. A TXT record lets domain administrators enter text information into the DNS system.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/user-documentation/connect-ios

#7

You are a Service Desk Analyst for an organization that has an existing Azure Virtual Desktop environment integrated with Azure AD. You have a host pool named Dev-HP-01 with two session hosts named Dev-VDI-0 and Dev-VDI-1 and App groups called Dev-APPGR-1 and Dev-APPGR-2. Additionally, you have a RemoteApp which is called Dev-RemoteApp-1.Your manager has asked you to configure the environment, so users are prevented from copying and pasting data from Dev-RemoteApp-1 to the local client device.What do you need to configure to facilitate this?

✗

Configure multi-factor authentication (MFA)

✗

Configure a Conditional Access Policy

✗

Configure a Group Policy

✓

Modify the RDP properties of Dev-HP-01

Explanation

If you wish to block copy and paste from working within an AVD environment, you need to ensure the RDP property setting for Clipboard redirection is disabled.

🔗 https://docs.microsoft.com/en-us/windows-server/remote/remote-desktop-services/clients/rdp-files

#8

You are a Cloud Engineer working for an organization that has an existing Azure Virtual Desktop Environment hosted in the UK South. You have recently opened an office in Australia and due to data protection and data sovereignty reasons you need to provision Azure resources for this office in that Australia Central region. Your manager has explained that the Azure Virtual Desktop environment needs to communicate with the resources stored in the Australia Central region and would like you to recommend a solution that is cost-effective and limits the amount of administrative overhead.What solution do you propose?

✕

Site-to-Site VPN

✕

Configure Inbound and Outbound rules on network security groups (NSGs) in both regions

✓

VNET Peering

✕

Service endpoints

Explanation

You can connect virtual networks to each other, enabling resources In either virtual network to communicate with each other, using virtual network peering. You can connect virtual networks in the same region or different Azure regions. In our case we want to connect two networks in different regions, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview

#9

You are a Solutions Architect for a global organization that utilizes both Azure Cloud and on-premises environments. You have been asked to design an Azure Virtual Desktop solution for your remote staff. During your discovery work, you identify the network latency between the remote offices where users are situated and the planned deployment. You need to identify the best region to deploy the Azure Virtual Desktop resource to.Which Azure Native tool do you need to utilize to identify the best Azure region for your deployment?

✕

Azure Advisor

✕

Azure Traffic Manager

✕

Azure Monitor for AVD

✓

Azure Virtual Desktop Experience Estimator

Explanation

Azure Virtual Desktop Experience Estimator

The Experience Estimator can be used to estimate the connection round trip time (RTT) from your current location, through the AVD service, to each Azure region in which you can deploy virtual machines. This in turn allows you to analyze which region has the least amount of latency and is the best fit to deploy the services for your organization.

🔗 https://azure.microsoft.com/en-gb/services/virtual-desktop/assessment/

#10

You are an Infrastructure Engineer who works for a company that has an existing Azure Virtual Desktop environment. Your existing host pool contains session hosts that run Windows 10 Enterprise Multi-session OS.During a support call with a user, you connect to a remote desktop session on the host pool and find an issue with the frequency of the screen updates. You need to identify what this issue is related to. What task should you complete to resolve this issue? The solution must minimize how long it takes to identify the resource type.

✓

From within the current user session, utilize the Performance Monitor tool to display the values of all the RemoteFX Graphics(*)\FramesSkipped /seconds counter.

✕

From the Azure Cloud Shell, run the Get-AzWvdUserSession cmdlet and specify the UserSessionId parameter.

✕

From within the current user session, utilize the Azure Virtual Desktop Experience Estimator.

✗

From the Azure Cloud Shell, run the Get-AzOperationalInsightsWorkspaceUsage cmdlet and specify the DefaultProfile parameter.

Explanation

From within the current user session, utilize the Performance Monitor tool to display the values of all the RemoteFX Graphics(*)\FramesSkipped /seconds counter.

The RemoteFX Graphics section of the Performance monitor provides counters to help you diagnose experience quality issues with your remote Azure Virtual Desktop sessions, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/remotefx-graphics-performance-counters

#11

You are a 3rd Line Support Technician for an organization that has an existing Azure Virtual Desktop (AVD) environment. There has been an increase in support calls over the last few months regarding various issues relating to the AVD Deployment.Your manager has asked you to investigate and recommend an Azure Native tool that can integrate with the AVD environment to constantly analyze the configuration and telemetry, and then make recommendations on how you can solve recurring issues.What tool should you recommend?

✓

Azure Advisor

✗

AWS Trusted Advisor

✗

Azure Monitor

✗

Azure Sentinel

Explanation

Azure Advisor is a personalized Azure native service that assists your AVD environment to follow best practices. It analyses your resource configuration and usage telemetry and then recommends solutions that can help you improve and solve recurring issues as well as many other features.

🔗 https://docs.microsoft.com/en-us/azure/advisor/advisor-overview

#12

You are an IT Technician for a global company that has employees from multiple countries and that speak different languages. You have implemented Azure Virtual Desktop (AVD) in a test environment with Windows 10 Enterprise Multi-session images. Feedback from the test user base is that the session hosts do not meet the relevant language needs.You have been asked by your manager to recommend the most efficient and cost-effective solution to manage the language needs of the Windows 10 Enterprise multi-session image?What solution do you recommend facilitating this requirement?

✓

Customize the images to ensure the users can select whichever language they need

✗

Build dedicated pooled host pools with a customized image for each language

✗

Provide access to the Shared Image gallery images

✗

Create Personal host pools for each user with the required language they need

Explanation

It is most efficient and cost-effective to have users with a different language and localization requirements in the same host pool to utilize a customized image to ensure they can select whichever language they need.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/set-up-customize-master-image

#13

You are a Systems Integration Engineer for an organization that has a new Azure Virtual Desktop environment with multiple host pools. All the host pools are shared between the different departments from inside your organization and are joined to the on-premises domain only.The Marketing team has requested a new application be installed on the session

hosts, however, this app should only be utilized by members from within the Marketing team, and users from other departments should not be allowed access.You have been tasked with finding a solution. What solution do you recommend for this scenario?

✕

FSLogix Office Containers

✕

Conditional Access Policy

✕

Intune App protection policy

✓

FSLogix Application Masking

Explanation

You utilize Application Masking to manage user access of installed components. Application Masking may be used in both physical and virtual environments and is most often applied to manage non-persistent, virtual environments like AVD.

🔗 https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview

#14

You are an IT Administrator for a company that currently uses Azure Virtual Desktop to facilitate its remote working Sales team. You have a host pool called Sales-HP-01 and you are currently investigating an issue where a remote desktop client is not responding to any requests.During your investigation, you find that you need to restore the Remote Desktop client settings back to default and unsubscribed from the workspace. What do you need to implement to restore the settings?

✓

Run msrdcw.exe

✕

Deploy the Azure Guest Agent service

✕

Install FSLogix agent on the session host in Sales-HP-01

✕

Reset the session hosts within Windows

Explanation

The msrdcw.exe with the /reset command removes user data, restores defaults settings and unsubscribes from all workspaces, therefore is the correct implementation for this scenario.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/troubleshoot-client

#15

You are a 2nd line support Technician for an organization that has an existing Azure Virtual Desktop environment to facilitate its remote working sales team. Azure Monitor is currently used to monitor the environment which is managed by the Ops team. Recently there have been two new members who have joined the Ops team who monitor the environment.Your manager has asked you to grant them access to the environment to allow them to view data that is being logged by Azure Monitor. You need to follow least privilege access when granting permissions.What roles & permissions should you assign?

✓

Read-Access to the subscription, resource group, and Log Analytics workspace

✕

Contributor Access to the subscription, AVD Workspace, and Log Analytics workspace

✕

Global Admin

✕

Read-Access to the subscription, AVD Workspace and Log Analytics workspace

Explanation

The question states that the new members of the Ops team only need to be able to view data only, which means they do not need anything above read-access to resources. Azure Monitor requires access to the subscription that holds the AVD resources, the resource group that holds the AVD session hosts, and the Log Analytics workspace, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/azure-monitor

#16

You are a Solutions Architect who works for an organization with an Azure AD tenant. You currently utilize Endpoint Manager to manage Windows 10 end-user devices, Azure AD P1, and Microsoft 365 Apps for Business licenses. You have been tasked with investigating if Azure Virtual Desktop is a feasible solution for your company to utilize moving forward. Your solution needs to consider integrating MFA, M365 Apps for Business, and Intune to ensure your company can use all the existing Microsoft Cloud features they currently use. Which of the following Microsoft 365 subscriptions should you add to your AVD solution?

✗

Office 365 E3

✓

Microsoft 365 Business Premium

✗

Microsoft 365 E5

✗

Microsoft 365 F3

Explanation

Microsoft 365 Business Premium is a single subscription that includes all aspects and features required by your organization. This includes Microsoft 365 Apps for Business, Intune, Windows 10/11 Business, and Azure AD P1 which makes it the correct answer.

🔗 https://www.microsoft.com/en-gb/microsoft-365/enterprise/f3

#17

You work for an organization that has an existing Azure tenant and is looking for a remote working environment to facilitate its sales team that travels the globe and needs to securely access corporate resources. Your manager has asked you to look at implementing Azure Virtual Desktop in a test environment to see if it can meet the use cases requirements. During your testing, you find the users' profiles are saved locally and you need to store them on a file share. During your investigations, you find that you need to use a container solution to facilitate roaming profiles on Azure Virtual Desktop. Which container solution do you need to utilize in a non-persistent AVD environment?

✓

FSLogix Profile Containers

✗

Azure Kubernetes Service

✕

FSLogix Office Containers

✕

Azure Container instances

Explanation

FSLogix Profile Containers.

FSLogix is a full remote profile solution for non-persistent environments that re-directs the entire profile to a remote location, such as an Azure File Share, therefore this is the correct answer.

🔗 https://azure.microsoft.com/en-gb/services/kubernetes-service/

#18

You are an IT Technician for a company that has implemented an Azure Virtual Desktop (AVD) solution in your test Azure tenant. During testing, you find that users are getting a new profile every time they log in and no settings are being saved.You find that you need to integrate FSLogix with your AVD environment, but first need to provision some storage. Before you provision any cloud storage, your manager has asked you to ensure the storage you provision utilizes premium/solid-state disk-based hardware.Which storage solution should you implement in order to configure FSLogix for user profiles?

✓

FileStorage storage account

✕

Premium block blobs

✕

General purpose version 2 (GPv2) storage account

✕

Azure Queues

Explanation

FSLogix requires a file share location, which in Azure's case is Azure Files. Azure Files supports both Standard general-purpose storage accounts and Premium FileStorage accounts, however, it is the Filestorage storage account that utilizes premium/solid-state disk-based hardware at the back end, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-block-blob-premium

#19

You are a Cloud System Engineer for a company that has implemented Azure Virtual Desktop (AVD) in a test environment to facilitate a proof of concept (PoC). Users have requested that Microsoft Teams be installed on the session hosts.You install the WebSocket Service and the Microsoft Teams 'per-machine' installation, however during testing the Teams App does not load and creates an unexpected error. During your investigation, you find you have missed a step of the installation process.Which step do you forget to implement?

✓ Create the IsAVDEnvironmet registry entry　注册表项

✗ Give end users elevated permissions to run the Teams App

✗ Configure audio and video re-direction

✗ Create the PreventTeamsInstall registry entry

Explanation

The first step before you install the WebSocket service or install the Teams per-machine installation is to navigate to HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Teams and create the Teams key if it does not already exist. The name of this value should be IsAVDEnvironment.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/teams-on-avd

#20

You are a Systems Engineer for a company that has an existing Azure Virtual Desktop (AVD) tenant in a persistent, multi-session environment. Your company has a new stateless application you need to run in the AVD environment and need to set up a new host pool to

facilitate this.The session hosts are required to have low latency on their local storage and to be re-imaged after each reboot. Your manager has asked you to investigate this requirement and recommend a solution.What solution do you recommend?

✕

Ultra-SSD OS managed disks

✕

Premium SSD OS managed disks

✓

Ephemeral OS managed disks   临时

✕

Standard SSD OS managed disks

Explanation

Ephemeral OS disks are created on the local virtual machine (VM) storage and not saved to the remote Azure storage. They work well with stateless workloads, where applications are tolerant of VM failures. They offer low latency, similar to temporary disks, and are best suited to stateless applications, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-machines/ephemeral-os-disks
#21

You are a Solutions Architect for a company that currently uses Azure Virtual Desktop to facilitate users working from your overseas offices. You currently have several host pools with session hosts which reside in the UK South Azure region, but no disaster recovery (DR) plan.Your manager has asked you to design A DR plan in order to present this to the Directors of your company in order to get financial backing for implementation. As part of your design, you need to facilitate the user profile deployment in the event of the primary location being unavailable.How should you plan to facilitate this requirement?

✕

Configure general-purpose version 2 (GPv2) storage accounts in the secondary location

✓

Configure the FSLogix agent with a path to the secondary location

✕

Configure FileStorage storage account in the secondary location

✕

Replicate the file share to a secondary location using Azure Site Replication

Explanation

The FSLogix agent can support multiple profile locations if you configure the registry entries on each session host. The secondary profile location should be the Azure File share path with the relevant permissions on it, however, without configuring failover for FSLogix you cannot facilitate user profile failover; therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/disaster-recovery

#22

You are a Cloud Service Technician who works for an organization that recently implemented an Azure Virtual Desktop (AVD) environment with multi-session, pooled host pools.The Marketing Director has a requirement for his team to have individually assigned session host VMs as they use an application that requires high CPU and RAM. Your manager has asked you to deploy a host pool that can facilitate this requirement. The solution should minimize administrative overhead.Which solution do you recommend?

✓

Personal host pool with automatic assignment

✕

Pooled host pool with bread-first load balancing

✕

Personal host pool with direct assignment

✕

Pooled host pool with depth-first load balancing

Explanation

A personal host pool will give the individual user their own session host VM which they will not share with other users. Automatic assignment is the default assignment type for new person host pools and it automatically assigns users rather than an Administrator having to manually assign a user to the host pool.

#23

You are a 2nd line support technician for a company who have an existing Azure Virtual Desktop environment. A new member of the support team has recently joined and requires access to be able to manage all aspects of the Azure Virtual Desktop environment but not access to the virtual machines.Your manager has asked you to assign the relevant permissions to the user, however, you need to follow least privilege access when assigning the permissions.Which of the following roles should you assign to the new support team member?

✓

Desktop Virtualization Host Pool Contributor

✗

Global Administrator

✗

Desktop Virtualization Application Group Reader

✗

Desktop Virtualization Workspace Contributor

Explanation

The Desktop Host Pool Contributor role allows users to manage all aspects of host pools, including access to resources, however, does not allow access to the virtual machines, therefore it is the correct answer.

#24

You are an IT Engineer for an organization that has an existing Azure Virtual Desktop (AVD) environment with multiple host pools. Users are reporting that the environment is running slow and freezing between 4 pm and 6 pm.After further investigation, you find that the AVD resources on the session host are being maxed out at those times due to higher usage.You have been tasked with finding a way to facilitate more resources being added to the host pools. You need to ensure administrative overheads and management are minimized in your solution.

✓

Implement Scaling Plan

✕

Implement Azure Monitor workbooks

✕

Implement Azure Automate

✕

Implement Conditional Access Policies

Explanation

You can implement a Scaling Plan to ramp up or ramp down AVD resources within your environment during peak and off-peak hours. Scaling Plan would allow you to ramp up the number of servers in the AVD environment between the hours of 4 pm and 6 pm (peak hours) and then remap back down outside these hours.

🔗 https://docs.microsoft.com/en-us/azure/automation/overview

#25

You are a Project Engineer working for an organization that is looking to implement Azure Virtual Desktop to facilitate remote working.You have been gathering requirements from various members of the organization's management team, one of which is that you need to be able to facilitate distributing user connections where you initially send all new connections to a single session host up to a maximum of 10 connections. Once the session host hits 10 connections, new requests are sent to the next available session host. This requirement is needed to try and keep costs down. Which Azure Virtual Desktop feature will you utilize to facilitate this?

✕

Breadth-first load-balancing

✕

Pooled host pools

✓

Depth-first load balancing

✕

Personal host pools

Explanation

Depth-first load-balancing is one of two load-balancing methods utilized by Azure Virtual Desk when provisioning pooled host pools. This method allows you to saturate one session host at a time to optimize user connection and is more cost-effective than the other load balancing algorithm called Breadth-first load-balancing.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/host-pool-load-balancing
#26

You are a Systems Engineer who works for an organization that has an existing Azure Virtual Desktop (AVD) environment to facilitate working from remote and overseas offices. Users in the overseas offices are complaining that their profiles are not loading correctly due to connectivity issues and in some cases, they are unable to load profiles.You currently use folder redirection with a virtual machine file server in Azure with managed disks to store the user profiles. Your manager has asked you to investigate other solutions that can resolve this issue.Which solution will resolve this problem?

✗

FSLogix with Azure File Share

✓

Cloud Cache

✗

FSLogix with Azure NetApp File Share

✗

FSLogix Office Containers

Explanation

Cloud Cache will allow you to store multiple copies of your profile containers. By using Cloud Cache, you can protect users from short-term loss of connectivity to remote profile containers, and it is the ideal solution for this scenario.

🔗 https://docs.microsoft.com/en-us/fslogix/cloud-cache-resiliency-availability-cncpt
#27

You are a Solution Architect for an organization that uses Azure Virtual Desktop (AVD) in the UK South and East US regions to facilitate remote users in both locations. The East US region had a recent outage and users were not able to connect to the AVD environment for

several hours.Your manager has asked you to recommend an Azure native DR solution that can mitigate this risk in the future.What solution do you recommend for this scenario?

✕

Veeam Backup & Replication

✕

Azure Backup

✕

Azure Sentinel

✓

Azure Site Recovery

Explanation

Azure Site Recovery replicates workloads running on both physical and virtual machines (VMs) from a primary site to a secondary site. In this scenario, you would replicate the resources from both the primary regions (UK South and East US) to two secondary regions. In this case of an outage to one of the primary regions, it would fail over to the secondary zone.

🔗 https://azure.microsoft.com/en-gb/services/site-recovery/

#28

You are an IT Technician who works for an organization that has deployed Azure Virtual Desktop with session hosts that are joined to an on-premises Active Directory domain. Your manager has asked you to limit the user sessions to 3 hours. What do you need to implement to facilitate this requirement?

✓

A Group policy

✕

An Intune policy

✕

Just-in-time access

✕

A Conditional Access Policy

Explanation

The Azure Virtual Desktop session hosts are integrated with Active Directory; therefore you can implement a Group policy called LimitSecondsToForceLogOffUser parameter to facilitate this requirement.

🔗 https://docs.microsoft.com/en-us/openspecs/windows_protocols/ms-gpod/411a0272-eb39-42d5-aad2-cc06fac3c38a

#29

You are a Cloud Project Engineer who works for an organization that plans to deploy an Azure Virtual Desktop environment. You plan to deploy session host virtual machines based on a pre-configured master image which is stored in a shared image gallery.You create a VM named AVD-IMG-01 to use as your master image where you install applications and apply company-specific configurations. You need to ensure that the new session host VMs you created that are based on AVD-IMG-01 have unique names and security identifiers.What do you need to do on AVD-IMG-01 before you add the image to the shared image gallery?

✕

Run the 'set computername' command at an elevated command prompt

✓

Run the 'sysprep' command at an elevated command prompt

✕

Run the 'rename-computer' cmdlet from PowerShell

✕

Run the 'capture image' button from the Azure portal on the VM used to create AVD-IMG-01

Explanation

Run the 'sysprep' command at an elevated command prompt.

Sysprep (System Preparation) prepares a Windows client or Windows Server installation for imaging. Sysprep can remove PC-specific information from Windows installations so I can be installed on multiple VMs. It should be run on Azure VMs before you capture the image to utilize as the golden image for AVD.

🔗 https://docs.microsoft.com/en-us/azure/virtual-machines/generalize

#30

You are a Network Engineer who works for an organization that has an existing Azure Virtual Desktop (AVD) production environment. Your session hosts are all currently Azure AD managed, however, you have a requirement to create a new host pool that has Hybrid Join session hosts to allow Endpoint Manager integration as well as communication with data and applications hosted outside Azure.You need to create a secure, dedicated, private connection with your UK Data Centre to allow your Azure Tenant to communicate with your on-premises environment. Your manager has also asked that the connection should not go over the public Internet.Which solution do you need to use?

✕

Site-to-Site VPN

✕

VNET Peering

✓

Azure ExpressRoute

✕

Point-to-Site VPN

Explanation

An ExpressRoute connection allows organizations to extend their on-premises networks into the Microsoft Cloud over a private connection via your connectivity provider. ExpressRoute connections do not go over the public Internet as well which makes this the ideal solution for this scenario.

🔗 https://docs.microsoft.com/en-gb/azure/expressroute/expressroute-introduction

#31

You are a Cloud Consultant who works for a company that has deployed Azure Virtual Desktop (AVD) into a development environment to allow a small subset of users to test.Before the AVD environment can be migrated to production your manager has asked you to implement a conditional access policy to require users to authenticate with Multi-Factor Authentication (MFA) with the AVD environment.Which two settings should you modify in a conditional access policy to enable MFA with AVD?

✕

Cloud Apps or Actions & Conditions

✕

Cloud Apps or Actions & Session

✓

Cloud Apps or Actions & Access Controls

✕

Conditions & Access Controls

Explanation

Under the Cloud Apps or Actions, you need to select the Azure Virtual Desktop App, and then under Access Controls you need to tick the option to 'Require multi-factor authentication'.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/set-up-mfa

#32

You are a Support Technician for a company that is currently using Azure Virtual Desktop with multiple host pools and session hosts with applications installed on a master image which is used to provision the session hosts.Users are recently reporting slow login times. In your investigation, you find it is due to the size of the master image that is used when provisioning the session hosts. You have been tasked with trying to decrease the size of the master image by using another method of application deployment.What method of app deployment should you use to help with login time speeds?

✓

MSIX App attach

✕

SCCM to manage the apps

✕

Endpoint Manager to manage the Apps

✕

Windows Store for Business

Explanation

MSIX App attach allows you to create separation between user data, the OS, and apps by using containers. It removes the need for repackaging when delivering applications dynamically and it reduces the time it takes for a user to login.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/what-is-app-attach

#33

You are a Support Technician who works for an organization that is currently running Azure Virtual Desktop on a test environment. You currently have a single, pooled host pool with 5 session hosts running Windows 10 Enterprise Multi-session OS. The support team currently uses the Remote Desktop windows application to log in to the session hosts when they need to complete any maintenance work, however, they are finding that the app needs regular updates which is wasting a lot of time. Your manager has asked you to find a way to allow administrators to connect to the session hosts in a manner that does not compromise the security of the environment.Which of the following options should you choose?

✕

Open the RDP port (3389) to each session host to allow inbound connections

✕

Implement an Azure Load Balancer

✕

Open the SSH port (22) to each session host to allow inbound connections

✓

Implement an Azure Bastion

Explanation

An Azure Bastion is a fully managed service that provides a secure and seamless RDP and SSH connection to virtual machines, without exposing them to public IP addresses. This will allow you to minimize the risk and not compromise the security of the Azure Virtual Desktop environment, therefore is the correct answer.

🔗 https://docs.microsoft.com/en-us/troubleshoot/azure/virtual-machines/troubleshoot-rdp-nsg-problem

#34

You are a Service Engineer who works for an organization that recently deployed Azure Virtual Desktop to facilitate the Management team working remotely. The environment contains a host pool called MAN-HP-01 which is linked to a workspace named MAN-WS-01,

an application group named MAN-AG-01, and a single session host called MAN-SH-01.Your manager has asked you to add a new data disk to the environment. Which resource should you edit to facilitate this?

✕

MAN-HP-01

✓

MAN-SH-01

✕

MAN-WS-01

✕

MAN-AG-01

Explanation

In this scenario, you need to add a data disk into the environment. These are required to be attached to a virtual machine, and the only resource that is a virtual machine in the environment is the session host called MAN-SH-01, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-machines/windows/attach-managed-disk-portal

#35

You are an Enterprise Administrator for an organization with an existing Azure Virtual Desktop (AVD) environment. The Compliance Manager has informed you that auditors will be spending a week auditing the AVD deployment to ensure it meets the company policies and standards.They have specified they will only need read-only access and only between Monday to Friday 9 am to 5 pm. Your manager has asked you to find a way to allow these temporary permissions at the specific times they have requested.What solution do you recommend?

✕

Conditional Access

✓

Just-in-time (JIT) access

✕

Multi-Factor Authentication (MFA)

✕

Access Reviews

Explanation

Just-in-time (JIT) access is a model in which users receive temporary permissions to perform privileged tasks, which prevents malicious or unauthorized users from gaining access after the permissions have expired. Access is granted only when users need it.

🔗 https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure#scenarios

#36

You are a Cloud Consultant who works for an organization that currently hosts its environment on-premises within the HQ offices. The board has authorized the implementation of Azure Virtual Desktop to facilitate a more hybrid working environment.As part of the implementation, the Azure Virtual Desktop environment will need to communicate with applications and resources that are hosted at the HQ offices.What type of network connectivity do you need to implement this? Your answer should be the most cost-effective and least amount of administrative overhead possible.

✕

Point-to-Site VPN between Azure and the HQ offices

✕

ExpressRoute between Azure and the HQ offices

✓

Site-to-Site VPN between Azure and the HQ offices

✕

Configure the relevant inbound and outbound ports on the Network Security Groups (NSG) in Azure

Explanation

A site-to-site VPN is a secure, encrypted connection between your Azure subscription and the on-premises site. This will allow your IaaS resources hosted in Azure to communicate with the site which is connected to the VPN. It has a low consumption cost and has a low management overhead; therefore, it is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal

#37

You are a Service Desk Engineer who works for a global company that has implemented Azure Virtual Desktop in a test environment. You now want to implement similar resources in other regions that are geographically closer to your international offices.As part of the deployment, you want to create a new custom Windows 10 image which can be used by all AVD deployments in every region.Which service do you need to use to facilitate the image being used in multiple regions?

✕

Azure VM Image Builder

✕

Azure Marketplace

✓

Shared Image Gallery

✕

Blob Storage

Explanation

Using a Shared Image Gallery you can share your images with different users, service principals, or AD groups within and outside the company. Shared images can be replicated t multiple regions as well, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/virtual-machines/image-builder-overview

#38

You are a Cloud Support Engineer for a company that has recently implemented Azure Virtual Desktop to facilitate its remote workers. The company wants to be able to monitor the AVD environment with Azure Virtual Desktop Insights.Your manager has asked you to implement diagnostic destination settings for the host pools. Which diagnostic destination settings should you utilize for the host pool?

✕

Azure Resource Manager

✕

Azure Queue Storage

✕

Azure File Share

✓

Log Analytics Workspace

Explanation

Log Analytics Workspace.

Log Analytics workspace is the service that is utilized for Azure Monitor log data, which includes Azure Virtual Desktop insights, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/storage/files/storage-files-introduction
#39

You are a Support Technician for a company that has an existing Azure AD tenant. You recently deployed an Azure AD Domain service managed domain and utilized the user account SD-Admin to provision this to the virtual network called FIN-VNET01.Your manager has asked you to deploy an azure Virtual Desktop host pool named FIN-HP01 to facilitate some remote workers in the Finance department, and he has asked you to deploy it to the virtual network FIN-VNET01. You need to ensure you can utilize the same SD-Admin account to deploy the Windows 10 session hosts to the FIN-HP01 host pool.Which task do you need to complete to facilitate this?

✕

Change the password of the SD-Admin account

✓

Add the SD-Admin account to the AAD DC Administrators group for the domain

✕

Assign the Cloud device administrator role to the SD-Admin account

✕

Assign a Microsoft 365 E3 license to the SD-Admin account

Explanation

Add the SD-Admin account to the AAD DC Administrators group for the domain.

The account you utilize to create a host pool needs to have permissions to domain join the session hosts to the relevant domain. In this scenario, we have an Azure AD Domain Services instance, and the group associated with domain joining services to this domain is called AAD DC Administrators, therefore this is the correct answer.

🔗 https://docs.microsoft.com/en-us/azure/active-directory-domain-services/tutorial-create-instance-advanced

#40

You are a Security Engineer for a company that has an existing Azure Virtual Desktop environment to facilitate its remote workers, including a site-to-site VPN between the on-premises environment and the Azure infrastructure. After a recent security incident where an attacker was able to gain access via the on-premises environment, the company wants to implement additional security within the infrastructure.Your manager has asked you to recommend a way in which you can filter and scan traffic inbound and outbound from the Azure Virtual Desktop environment. The solution should utilize Azure Native services.What solution do you recommend?

✕

Network Virtual Appliance (NVA)

✕

Microsoft Defender for Cloud

✓

Azure Firewall

✕

Azure Sentinel

Explanation

An Azure Firewall is a cloud-native and intelligent network firewall security service that provides threat protection, including inbound and outbound filtering and scanning, there you should recommend deploying this in your Azure tenant where AVD is provisioned.

🔗 https://docs.microsoft.com/en-us/azure/firewall/overview

#41

You are a 3rd line support technician who works for a company that has an existing Azure Virtual Desktop (AVD) environment which is used to facilitate remote working for its users. There is no existing connectivity with any on-premises locationsAt present, there is no method of printing from the AVD environment, and there have now been several requests for this facility to be added. You have been tasked with finding a printing solution that minimizes administrative overhead and will require the least amount of Infrastructure to be deployed.Which of the following solutions should you choose?

✕

On-premises print server to manage printing

✕

Printers added directly to session hosts

✕

Azure-hosted print server to manage printing

✓

Universal Print service

Explanation

Universal Print is a modern print solution that you are able to use to manage printers via Microsoft Cloud. This is a 'Print management as a service' that runs entirely in Azure and it does not require any Infrastructure to be provisioned on-premises or in the cloud. It is a subscription-based service, fully integrates with Azure AD, and supports single sign on (SSO). This service meets all the requirements for this question; therefore, it is the correct answer.

🔗 https://www.microsoft.com/en-gb/microsoft-365/windows/universal-print

#42

You are a Solutions Architect for an organization that has an existing on-premises environment. You are currently investigating if Azure Virtual Desktop can help facilitate remote working for your sales team. During your investigation, you obtain a list of applications that have similar compute requirements and need a minimum of 2.5Mbps bandwidth requirement. You need to recommend a workload type for Azure Virtual Desktop that will suit this requirement.Which of the following workload type's do you recommend for the application network bandwidth requirements?

✕

Heavy

✓

Medium

✗

Light

✗

Power

Explanation

An application with a medium workload type has a recommendation of 3 Mbps network bandwidth. In the question scenario, the applications have a 2.5 Mbps network bandwidth requirement which is too high for the Light workload type, which has a 1.5 Mbps network bandwidth recommendation. Therefore, the medium workload type is the correct answer.

🔗 https://docs.microsoft.com/en-us/windows-server/remote/remote-desktop-services/network-guidance

#43

You are an IT System Technician who works for an organization that has an existing Azure Virtual Desktop (AVD) environment which integrates with Azure AD. The engineering department has a requirement to transfer data from USB storage devices into the AVD environment, however currently when they try to do this the session hosts cannot detect the device.Your manager has asked you to investigate how this request can be facilitated. Which of the following solutions do you need to use for this requirement?

✗

Group Policy

✗

Intune Configuration profile

✗

Intune Compliance policy

✓

AVD RDP properties

Explanation

Customizing USB re-direct can be implemented within Azure Virtual Desktop by configuring the RDP properties either via PowerShell or the Azure Portal.

🔗 https://docs.microsoft.com/en-us/azure/virtual-desktop/customize-rdp-properties

#44

You are an IT Technician for a company that utilizes Azure Virtual Desktop with session hosts added to an Active Directory Domain service managed domain with an Azure AD Sync in place to synchronize user object IDs. The company currently uses Group Policy to manage the environment, however, they want to start migrating more services into Cloud, including utilizing Endpoint Manager to manage its end-user compute.Your manager has asked you to investigate the steps needed to migrate management of the Azure Virtual Desktop session hosts into endpoint Manager. Your solution should minimize administrative overheadWhat initial step do you recommend to your manager?

✓

Hybrid Join session hosts

✗

Azure AD Join session hosts

✗

Azure AD DS Join session hosts

✗

Deploy Co-Management

Explanation

If you have domain joined session hosts, the recommended method to integrate them with Endpoint manager is to Hybrid join them. This requires an Azure AD sync with the 'Hybrid device' option to be configured. Once the device is synchronized, it will show as 'Hybrid Joined' within Endpoint Manager and Azure AD.

🔗 https://docs.microsoft.com/en-us/mem/intune/fundamentals/azure-virtual-desktop

#45

You are a backup operator for an organization that has recently implemented an Azure Virtual Desktop (AVD) environment for testing purposes. All the application testing and user testing has been successful, however before it can be implemented into the Production tenant you need to have a method of backing up the AVD resources, including session hosts, Azure

file shares, and managed disks, in order to comply with company policy.Your manager has asked you to recommend a backup solution that can integrate with the AVD environment that is both native to Azure and cost-effective.Which backup solution do you recommend?

✕

Veeam Backup and Replication

✕

Azure Site Recovery

✕

Azure Automate

✓

Azure Backup

Explanation

The Azure Backup service provides simple, secure, and cost-effective solutions to back up your data and recover it from your Microsoft Cloud environment. It is an Azure native service that is cost-effective and fully integrates with AVD, allowing you to backup session hosts (VMs), Azure file shares, and managed disks.

🔗 https://docs.microsoft.com/en-us/azure/backup/backup-overview