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Exam : **070-982**

Title : Recertification for MCSE: Desktop Infrastructure

Version : DEMO

1.Topic 1, Proseware Inc

Overview

Proseware, Inc. is an independent software vendor. The company has a main office and two branch offices. The main office is located in New York. The branch offices are located in London and Moscow.

Existing Environment

The New York office and the London office each contain the following servers that run Windows Server 2008 R2:

- One Windows Deployment Services (WDS) server
- One Remote Desktop Session Host (RD Session Host) server

Each office contains client computers that run Windows XP.

The London office and the New York office connect to each other by using a high-speed WAN link. The Moscow office and the New York office connect to each other by using a low-speed# high-latency WAN link.

The network connection between the Moscow office and the New York office frequently fails.

Requirements

Planned Changes

The company plans to implement the following changes:

- Migrate all of the client computers to Windows 8.
- Deploy new applications named App1, App2, and App3.
- Deploy a Virtual Desktop Infrastructure (VDI) in the New York office.
- Deploy a Windows Server Update Services (WSUS) infrastructure.

Migration Requirements

The company identifies the following migration requirements:

- Migrate the client computers to Windows 8 by using the Microsoft Deployment Toolkit (MDT).
- Replace the client computers in the New York office. Migrate the user settings during the migration to the new hardware.

- Ensure that the client computers in the London office that are not PXE-capable can download images from WDS.
- Reformat the existing disks in the London office during the migration to Windows 8.
- Avoid using the WAN link between the Moscow and New York offices whenever possible.
- Avoid deploying any servers to the Moscow office.

Virtual Desktop Infrastructure (VDI) Requirements

The company identifies the following VDI requirements:

- Automatically provision new virtual desktops based on a virtual desktop template. The new virtual desktops will run Windows 8.
- Automatically discard any user changes to the new virtual desktops when the users log off.
- Deploy a 3D graphics application named App1 to all of the new virtual desktops. App1 will require DirectX 11 support.
- Ensure that updates for App1 are applied to all of the new virtual desktops.

Application Requirements

The company identifies the following application requirements:

- In the New York office, deploy an application named App2 to the client computers that run Windows 8.
- Minimize the amount of resources used by App2 on the client computers.
- In the London office, publish an application named App3 to the Work Resources (RADC) area of the Windows 8 Apps screen.

Security Requirements

The company identifies the following security requirements:

- Ensure that updates for the New York, London, and Moscow offices can be approved only by the administrators in the New York office.
- Ensure that the users in the New York office can use only classes of USB devices that are approved by the IT department.
- Configure the replication of updates between the update servers in the New York and London offices.

You need to recommend a virtual desktop solution that meets the VDI requirements.

What should you recommend?

A. Managed personal virtual desktop collections

B. Unmanaged personal virtual desktop collections

C. Managed pooled virtual desktop collections

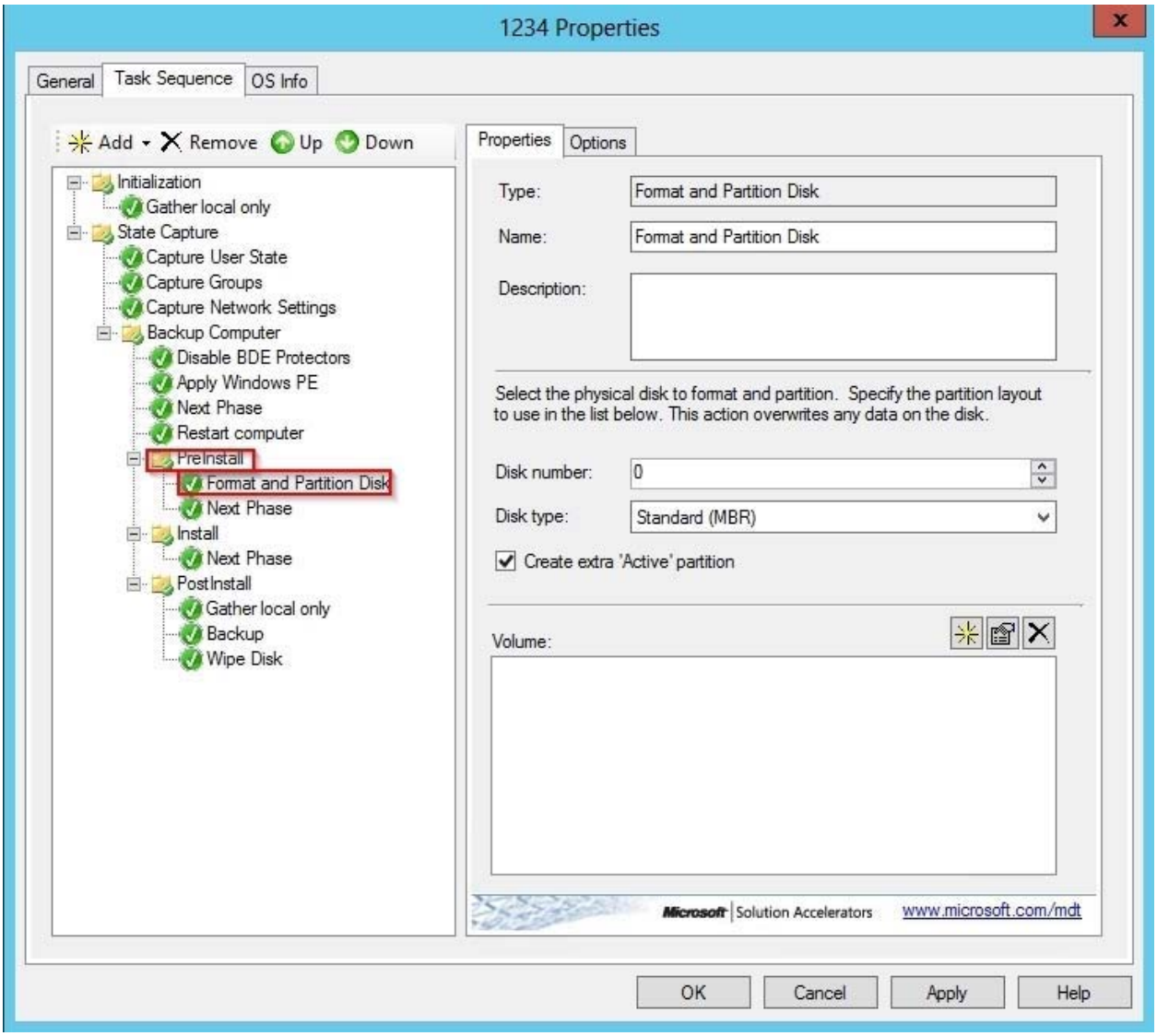
D. Unmanaged pooled virtual desktop collections

Answer: C
Explanation:
Virtual Desktop Collection
There are two types of virtual desktop collections available: personal and pooled. You have the option to let Remote Desktop Services automatically manage pooled virtual desktops in a collection, or you can manually manage them. We will concentrate on automatically managed pooled virtual desktop collections.
A managed pooled virtual desktop collection offers the following capabilities:
Automatically create pooled virtual desktops based on a virtual desktop template.
Automatically install security updates and applications based on a virtual desktop template.
Live migration with local caching.
User profile disk support. A user profile disk stores user profile information in a separate virtual hard disk so that user profile settings are persistent across pooled virtual desktops.
With either managed or unmanaged, the administrator can configure the pool to store the user profiles on User Profile disks separate from the machines.
http://blogs.technet.com/b/canitpro/archive/2013/04/25/step-by-step-deploying-virtual-desktops-with-windowsserver-2012.aspx
Virtual Machine-based desktop Deployment is of two types:
Personal Virtual Desktop Collection – Administrators manually assign virtual desktops to the users.
Pooled Virtual Desktop Collection - Administrators deploy virtual desktops and users are randomly assigned virtual desktops. At log off virtual desktops are generally rolled back (rollback is optional).
Creating a Pooled Virtual Desktop Collection
There are two types of Pooled Virtual desktop Collections:
Pooled Managed The Virtual desktop machine is created using the Sysprep Template of a virtual machine.
We can recreate the virtual desktops from this image at will.
Pooled Unmanaged We can add the existing virtual machine to this virtual desktop collection from Hyper V pool.
With either option, the administrator can configure the pool to store the user profiles on User Profile disks separate from the machines.
http://blogs.technet.com/b/askperf/archive/2012/10/31/windows-8-windows-server-2012-pooled-virtualdesktop-infrastructure.aspx

http://technet.microsoft.com/en-us/library/ee216741.aspx

2.You need to configure a Deployment Workbench task sequence that meets the migration requirements of the London office.
Which task group should you edit?
A. Preinstall

B. State Restore
C. Postinstall
D. Capture the reference machine
Answer: A
Explanation:



3.A hardware supplier provides you with four server builds. The server builds are configured as shown in the following table.

Build name	Processor type	Processor feature
Build1	Intel Core i7	Intel Turbo Boost Technology
Build2	Intel Xeon	Intel Flex Memory Access
Build3	Intel Xeon	Second Level Address Translation (SLAT)
Build4	Intel Core i7	Intel Flex Memory Access

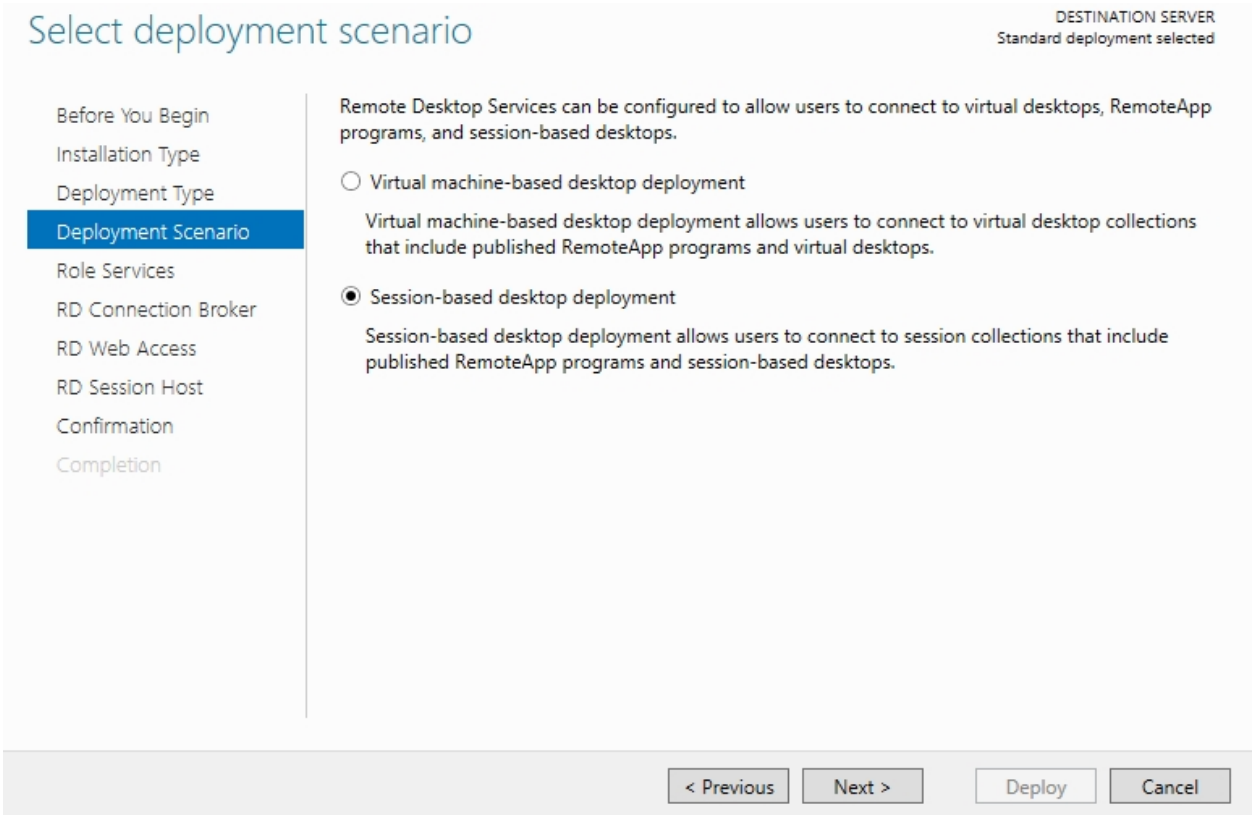
You need to recommend which server build must be used to meet the VDI requirements.
What should you include in the recommendation?
A. Build1

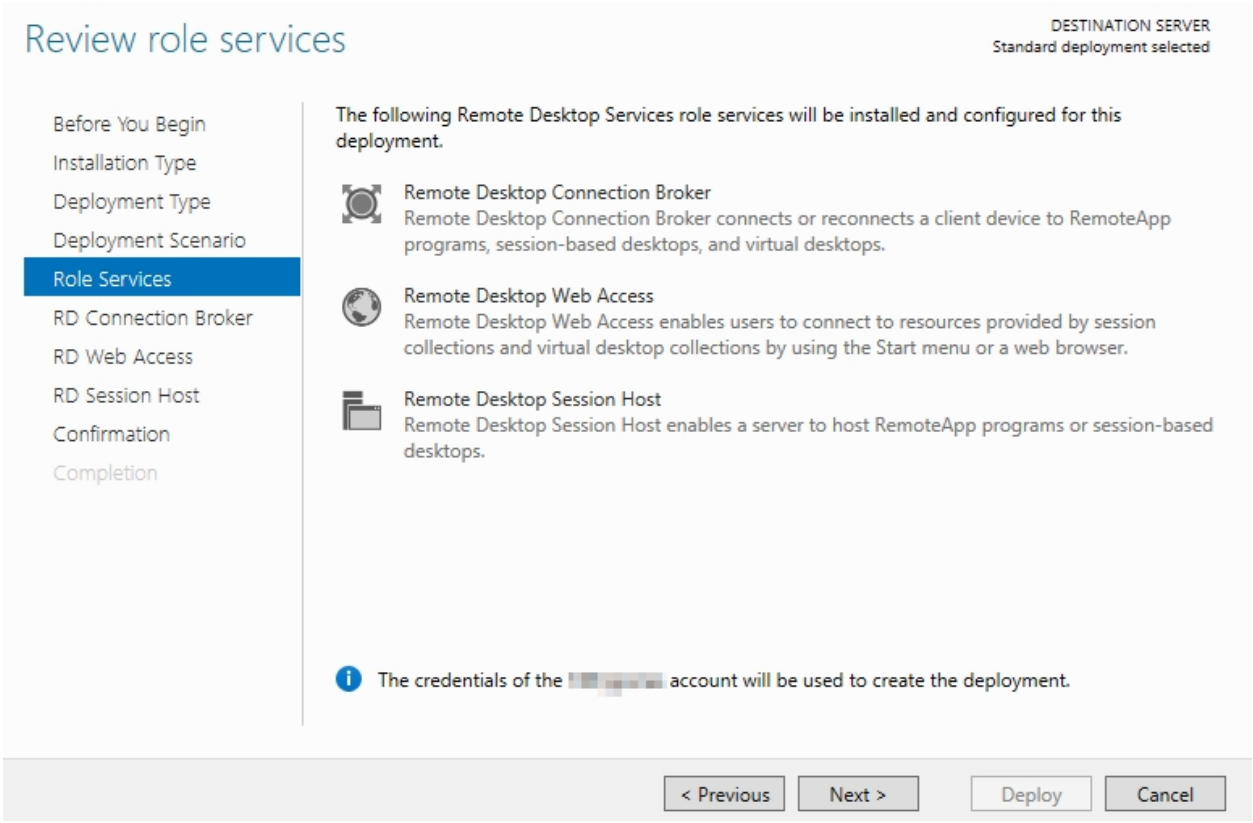
B. Build2
C. Build3
D. Build4
Answer: C

4.You need to recommend a solution for updating App1. The solution must meet the VDI requirements.
What should you recommend?
A. Create a new virtual machine from the template file, apply the patch, and create a snapshot of the virtual machine.
B. Create a new virtual machine from the template file, apply the patch, and run sysprep.exe.
C. Mount the virtual machine template on a physical host and configure the template to be bootable. Apply the patch and run sysprep.exe.
D. Mount the virtual machine template on a physical host and configure the template to be bootable. Apply the patch and run dism.exe.
Answer: B
Explanation:
Ensure that updates for App1 are applied to all of the new virtual desktops.
Rolling Out Updates to a Pooled Virtual Desktop Collection
A Master or Gold VM is formally referred to as “virtual desktop template” in the WS2012 Server Manager UI console and the cmdlets in Remote Desktop Services module for Windows PowerShell. It is an input to the managed virtual desktop collection creation process that allows an admin to manage a virtual desktop collection. The Master VM is created and managed by the admin and it specifies the hardware properties and software contents of all the automatically created VMs in that managed virtual desktop collection. For example, if the master VM is assigned 2GB of RAM, then each of the automatically created VMs in the managed virtual
desktop collection will be assigned 2GB RAM. In this section, I will describe the various supported options and requirements for the Master VM.
Virtual Hard Disk
The Master VM can only have one virtual hard disk (VHD) attached to it; more than one VHD attached to the Master VM is not supported.
The VHD attached to the Master VM must have either a Windows 7 SP1 or Windows 8 image in sysprep generalized state.
A diff disk chain attached to the Master VM as its VHD is supported.
Although the VHD can have more than one logical partition defined in it, it can have only one Windows OS image installed in it.
http://blogs.msdn.com/b/rds/archive/2012/10/29/single-image-management-for-virtual-desktop-collections-inwindows-server-2012.aspx

5.You are planning the deployment of Remote Desktop Services (RDS) to support App3. The RDS servers will run Windows Server 2012.
You need to recommend which RDS role services are required to ensure that App3 meets the application requirements.
Which RDS role services should you recommend? (Each correct answer presents part of the solution. Choose all that apply.)

A. Remote Desktop Connection Broker
B. Remote Desktop Gateway
C. Remote Desktop Virtualization Host
D. Remote Desktop Web Access
E. Remote Desktop Session Host
Answer: B, C, D
Explanation:
App3 is a published program.




Review role services
DESTINATION SERVER
Standard deployment selected
Before You Begin
Installation Type
Deployment Type
Deployment Scenario
Role Services
RD Connection Broker
RD Web Access
RD Session Host
Confirmation
Completion
The following Remote Desktop Services role services will be installed and configured for this deployment.
Remote Desktop Connection Broker
Remote Desktop Connection Broker connects or reconnects a client device to RemoteApp programs, session-based desktops, and virtual desktops.
Remote Desktop Web Access
Remote Desktop Web Access enables users to connect to resources provided by session collections and virtual desktop collections by using the Start menu or a web browser.
Remote Desktop Session Host
Remote Desktop Session Host enables a server to host RemoteApp programs or session-based desktops.
The credentials of the [redacted] account will be used to create the deployment.
< Previous
Next >
Deploy
Cancel