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# 70-415

## Implementing a Desktop Infrastructure

DEMO

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## Topic 1, Redbridge Associates

### Company Background

Redbridge Associates is a legal services company based in USA. The company has 700 employees in two offices. The main office in Atlanta has 500 users and the branch office in Seattle has 200 users.

### Existing Environment

#### Existing Active Directory Environment

The network consists of a single Active Directory domain named RedbridgeAssociates.com.

Each office is configured as a separate Active Directory site.

All users in both offices have desktop computers that run Windows XP Professional. 100 users in the New York office also have laptop computers that run Windows XP Professional.

All servers in the New York office run Windows Server 2012. The company has recently deployed a Microsoft System Center 2012 Configuration Manager (Configuration Manager) infrastructure to be used for the deployment of Operating Systems, application updates and Windows Updates in the New York office. The Configuration Manager infrastructure includes a Distribution Point server and a Primary Site Server.

### Network Infrastructure

The two offices are connected by a high latency unreliable WAN link. Each office has a reliable Internet connection.

### Planned Changes

The company plans to deploy a Virtual Desktop Infrastructure (VDI) in the New York office. All laptop users in the New York office will have their desktop computers replaced by virtual desktops.

The remaining desktop computers in the New York office will be replaced with new hardware.

20 new desktop computers will be purchased and deployed to the Seattle office.

Windows 8 will be deployed to the new desktop computers and the virtual desktops.

All company users use a line-of-business application named CorpApp. The application is installed

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on every client computer.

A server running Windows Software Updates Services will be deployed to download updates from Microsoft.

## **Remote Desktop Servers**

Servers running the following roles will be deployed to the New York Office to provide the Virtual Desktop Infrastructure (VDI):

Remote Desktop Virtualization Host (RD Virtualization Host)

Remote Desktop Gateway (RD Gateway)

Remote Desktop Web Access (RD Web Access)

Remote Desktop Connection Broker (RD Connection Broker)

## **Business Requirements**

The company has identified the following business requirements:

- Laptop users must be able to connect to the virtual desktops from outside the network without needing to use a VPN connection.
- The virtual desktops require hardware acceleration to be enabled to run the CorpApp application.
- Configuration Manager must be used to deploy operating systems, application updates and Windows Updates in the New York office.
- Laptop users must be able to access the same Documents folder from the laptop and the virtual desktop.
- Laptop users must be able to configure different user settings on their virtual desktop and laptop computers.
- User settings must persist between virtual desktop sessions.
- Windows Updates must be applied automatically to the virtual desktops.
- All virtual desktops must be created from the same virtual machine image template.
- User settings and data must not be saved on the virtual desktops.
- Operating System deployment for the new computers in the Seattle office must not use the WAN link.

## **Security Requirements**

The company has identified the following security requirements:

- All files on the laptops must be encrypted.

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**QUESTION NO: 1**

You need to create a virtual machine image template for the deployment of the virtual desktops.

You install a virtual machine running Windows 8 with the most recent updates. You install the CorpApp application and configure the required settings on the virtual machine.

What should you do next?

- A. You should run Sysprep.exe with the /oobe option.
- B. You should run Sysprep.exe with the /audit option.
- C. You should run Sysprep.exe with the /generalize option.
- D. You should run DISM.exe with the /export-image option.
- E. You should run DISM.exe with the /capture-image option.

**Answer: C**

**Explanation:**

**QUESTION NO: 2**

You need to enable laptop users to connect to the virtual desktops from outside the network without needing to use a VPN connection.

Which of the Remote Desktop Services roles provides this capability?

- A. Remote Desktop Virtualization Host (RD Virtualization Host)
- B. Remote Desktop Gateway (RD Gateway)
- C. Remote Desktop Web Access (RD Web Access)
- D. Remote Desktop Connection Broker (RD Connection Broker)

**Answer: B**

**Explanation:**

**QUESTION NO: 3**

Configuration Manager has been installed in the New York office to manage the deployment of Operating Systems and Windows Updates.

You need to configure the environment to support the management of Windows Updates using