

# Microsoft

## Exam 70-416

### Implementing Desktop Application Environments

Version: 8.0

[ Total Questions: 85 ]

## Topic 1, Litware, Inc

### Overview

Litware, Inc., is a manufacturing company. A. Datum Corporation is a competitor of Litware. Litware has a main office and two branch offices. The main office is located in Seattle. The branch offices are located in Los Angeles and Boston. The offices connect to each other by using T1 leased lines.

A. Datum has a main office in New York. Existing Environment

### Active Directory

The Litware network contains one Active Directory forest named litwareinc.com. The A. Datum network contains one Active Directory forest named adatum.com. Network Infrastructure All Litware servers run Windows Server 2012.

Each Litware office contains two domain controllers. Each domain controller is configured as a DNS server.

The Seattle office has the following servers:

- ✍ Two file servers
- ✍ Two domain controllers
- ✍ One Windows Server update Services (WSUS) server
- ✍ Five Hyper-V hosts that host multiple virtual machines
- ✍ A Remote Desktop Services (RDS) infrastructure that contains five Remote Desktop Session Host (RD Session Host) servers in two session collections, one Remote Desktop Connection Broker (RD Connection Broker) server, and one Remote Desktop Web Access (RD Web Access) server.

All client computers in Litware run Windows 8. The client computers are configured to download updates from WSUS. An application named App4 is included in the standard desktop image that is deployed to each client computer.

### Requirements

#### Planned Changes

Litware plans to implement the following changes:

- ✍ Expand the company by acquiring A. Datum.
- ✍ Add more RD Web Access servers to the RDS infrastructure.
- ✍ Publish three applications named App1, App2, and App3 as RemoteApp programs.
- ✍ Deploy two virtualized applications named App5 and App6 as Microsoft Application Virtualization (App-V) packages.
- ✍ Deploy App-V 5.0 management servers, publishing servers, and reporting servers.

#### Technical Requirements

Litware must meet the following technical requirements:

- ✍ Minimize the amount of administrative effort whenever possible.
- ✍ Ensure that an RD Connection Broker server is available if a single server fails.
- ✍ Protect the connections to the RD Web Access server by using a trusted certificate.

- ✍ Perform an application inventory of the applications in A. Datum without installing additional software on the client computers in A. Datum.

### Application Requirements

Litware must meet the following application requirements:

- ✍ Ensure that App1 can be started by using document invocation.
- ✍ Ensure that App1 is available on the Start screen of client computers that run Windows 8.
- ✍ Organize the published RemoteApp programs by application type on the RD Web Access website.
- ✍ Prevent users in the human resources (HR) department from running App4.
- ✍ Administer App-V from a server named Server1.
- ✍ Ensure that App5 and App6 can communicate with each other when they run in the virtual environment.
- ✍ Ensure that the virtualized applications are downloaded from a server in the same office as the client computer that is downloading the applications.
- ✍ Ensure that the virtualized applications are fully downloaded to a client computer before users can run the applications.
- ✍ Update App4 in the standard desktop image to a new version named App4A. The App4A update is a Microsoft Installer (MSI) package.
- ✍ Deploy application updates for App4 to the client computers by using WSUS.

#### Question No : 1 - (Topic 1)

You need to recommend a solution to update App4 on the client computers that already have the application deployed. The solution must meet the application requirements.

What should you include in the recommendation?

- A. Add a package to the software installation settings of a Group Policy object (GPO).
- B. Use Import Updates from the Update Services console.
- C. Run `wsusutil.exe` and specify the import parameter.
- D. Run a script that uses the WSUS Application Programming Interface (API) for local publishing.

**Answer: D**

#### Question No : 2 - (Topic 1)

You need to configure security for the HR users to meet the application requirements

What should you configure in Group Policy Management Editor?

- A. Security Options
- B. Restricted Groups
- C. Public Key Policies
- D. Application Control Policies

**Answer: D**

**Question No : 3 - (Topic 1)**

You need to configure the virtualized applications to ensure that they download fully before they can run on the client computers.

What should you use?

- A. Microsoft System Center 2012 App Controller
- B. The App-V Sequencer
- C. Microsoft System Center 2012 Virtual Machine Manager (VMM)
- D. The Application Virtualization Management Console

**Answer: B**

**Question No : 4 - (Topic 1)**

You need to recommend a solution to deploy App1. The solution must meet the application requirements. What should you include in the recommendation?

- A. Create an .rdp file for App1, and then copy the file to the client computers by using a logon script.
- B. Configure the software installation settings in a Group Policy object (GPO).
- C. Configure the RemoteApp and Desktop Connections setting in a Group Policy object (GPO).
- D. Create an .rdp file for App1, and then copy the file to the client computers by using a startup script.

**Answer: C**

**Explanation:** Using a GPO to set the RA and RD Connections allows you to input a URL that publishes the applications and then allows them to use document invocation.

**Question No : 5 - (Topic 1)**

You need to meet the application requirements for administering the App-V infrastructure.

What should you install on Server1?

- A. The Microsoft Visual C++ 2010 Redistributable Package
- B. Microsoft SQL Server Native Client
- C. Microsoft .NET Framework 4.5
- D. Microsoft Silver light

**Answer: D**

**Explanation:** <http://technet.microsoft.com/en-us/library/jj713458.aspx>

Management console requires Silverlight, Visual C++2010 **SP1**, and .Net **4.0**.

**Question No : 6 DRAG DROP - (Topic 1)**

You need to update App4 in the standard desktop image. The solution must meet the technical requirements and the application requirements.

Which four actions should you perform?

To answer, move the four appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Run the App4A MSI package.	
Unmount the image and commit the changes.	
Add the App4A MSI package to the image.	
Mount the image.	
Export the image.	
Deploy the image.	
Capture the image.	
Generalize the installation.	

**Answer:**

Actions	Answer Area
Run the App4A MSI package.	Deploy the image.
Unmount the image and commit the changes.	Run the App4A MSI package.
Add the App4A MSI package to the image.	Generalize the installation.
Mount the image.	Capture the image.
Export the image.	
Deploy the image.	
Capture the image.	
Generalize the installation.	

**Question No : 7 - (Topic 1)**

You need to implement an RDS infrastructure to meet the technical requirements.

What should you do first?

- A. Install Microsoft SQL Server 2008 R2.
- B. Install the Failover Clustering feature.
- C. Install the Windows Internal Database feature.
- D. Install the Network Load Balancing (NLB) feature.

**Answer: D**

**Question No : 8 - (Topic 1)**

You need to recommend a solution to deliver the virtualized applications to the client computers. The solution must meet the application requirements.

What should you include in the recommendation?

- A. Enhanced Storage
- B. BranchCache
- C. File Replication Service (FRS)
- D. Distributed File System (DFS)

**Answer: D**

**Question No : 9 - (Topic 1)**

You virtualize App5 and App6.

You need to ensure that App5 and App6 meet the application requirements.

What should you do?

- A. From the Application Virtualization Management Console, add a connection group.
- B. From the Application Virtualization Management Console, upgrade the packages.

- C. From the Microsoft Application Virtualization Sequencer, modify the Properties settings of App5 and App6.
- D. From the Microsoft Application Virtualization Sequencer, modify the Deployment settings of App5 and App6.

**Answer: A**

**Explanation:** <http://blogs.technet.com/b/appv/archive/2012/11/06/deploying-connection-groups-app-v-5-0.aspx>

### Question No : 10 - (Topic 1)

You need to secure the RD Web Access servers. The solution must meet the technical requirements.

What should you do?

- A. From Server Manager, edit the deployment properties.
- B. From the Certificates console, import the custom certificate to the personal certificates store of the local computer.
- C. From Server Manager, edit the collection properties.
- D. From the Certificates console, import the custom certificate to the Remote Desktop certificates store of the local computer.

**Answer: A**

### Question No : 11 - (Topic 1)

You need to implement a software inventory solution for the A. Datum network. The solution must meet the technical requirements.

What should you implement?

- A. The Microsoft Deployment Toolkit (MDT)
- B. The Microsoft Assessment and Planning (MAP) Toolkit
- C. The Windows Assessment and Deployment Kit (Windows ADK)



**D. Windows Intune****Answer: B**

**Explanation:** Intune requires an agent installed which is a direct conflict with the technical requirement to not install additional software

(<http://www.microsoft.com/sam/en/us/intune.aspx>)

MAP is an agent-less inventory service (<http://www.microsoft.com/sam/en/us/map.aspx>)

**Topic 2, A.Datum Corporation****Overview**

A.Datum Corporation is a geological research company.

The company has a main office and a branch office. The main office is located in Seattle. The branch office is located in Miami.

Users in the research department work in the Miami office.

**Existing Environment****Active Directory**

The network contains a single-domain Active Directory forest named adatum.com. Network Infrastructure.

The relevant servers on the network are configured as shown in the following table.

Server name	Location	Role
DC1	Seattle	Domain controller DNS server
DC2	Miami	Domain controller DNS server
SRV-FS1	Seattle	File server
SRV-FS2	Miami	File server

Content on SRV-FS1 and SRV-FS2 is replicated by using Distributed File System (DFS) Replication. All shared content is accessible through the UNC path of `\\contoso.com\shared\data`.

All client computers run Windows XP. All of the client computers have Microsoft Office 2007 installed. All applications are installed locally on the client computers.

The Miami office connects to the Seattle office by using a site-to-site VPN connection. Research users in the Miami office use two applications named App1 and App2. The research users are divided into two groups named Adatum\ResearchManagers and Adatum\ResearchStaff.

The IT department has a custom install image of Windows 8. The image contains internally developed Windows Store apps.

Windows Server Update Services (WSUS) is used to deploy patches to the client computers.

### User Issues

Users report that when App1 and App2 run concurrently, the applications crash.

### Requirements Planned Changes

The company plans to implement the following changes:

- ✍ Deploy a Remote Desktop Services (RDS) infrastructure that runs Windows Server 2012. The infrastructure will be located in the Seattle office and will contain the following servers:
  - ✍ Two Remote Desktop Virtualization Host (RD Virtualization Host) servers
  - ✍ Two Remote Desktop Connection Broker (RD Connection Broker) servers
  - ✍ Two Remote Desktop Session Host (RD Session Host) servers
  - ✍ Two Remote Desktop Web Access (RD Web Access) servers
  - ✍ Two Remote Desktop Gateway (RD Gateway) servers
- ✍ Implement the desktops of the users in the Miami office by using a Virtual Desktop Infrastructure (VDI) and replace the desktop hardware with thin client devices.
- ✍ Deploy a Windows Server 2012-based Microsoft Application Virtualization (App-V) infrastructure in the Seattle office that contains the following servers:
  - ✍ Two App-V management servers
  - ✍ Two App-V publishing servers
  - ✍ One App-V reporting server
- ✍ Standardize the client operating system on the 64-bit version of Windows 8.
- ✍ Publish an application named App3 as a RemoteApp program.

### Technical Requirements

The company must meet the following technical requirements:

- ✍ The disk space used by the VDI must be minimized.
- ✍ The amount of administrative effort must be minimized whenever possible.
- ✍ The members of Adatum\ResearchManagers must have priority to the system resources on the RD Session Host servers.
- ✍ The availability of the RemoteApps programs, the App-V apps, and the virtual desktops must not be affected if a single server fails.
- ✍ The RD Session Host server will be installed on a server that is several years old. Only 20 percent of the sessions must be established to this server.

### Application Requirements

The company must meet the following application requirements:

- ✍ Several custom add-ins for Office 2010 must be deployed.
- ✍ App1 and App2 must be published as Remote App programs.