

Microsoft 70-696 Exam

Volume: 86 Questions

Topic 1: Proseware, Inc. 8

Topic 2: Litware, Inc. 14

Topic 3: Contoso, Ltd. 7

Topic 4: Fabrikam, Inc. 13

Topic 5: Mix Questions 44

Topic 1, Proseware, Inc.

Case Study

Overview

General Overview

Proseware, Inc. is an international manufacturing company that has 3,000 employees. The company has a sales department a marketing department, a research department and a human resources department.

Physical Locations

Proseware has two main offices and five branch offices. The main offices are located in New York City and London. The branch offices are located in Singapore, Sydney, Auckland, Montreal, and Tokyo.

Users from each department are located in each office.

All of the offices connect to each other by using a WAN link. Each office also has a direct connection to the Internet.

Existing Environment

Active Directory

The network contains one Active Directory forest named proseware.com. The forest contains a single domain. All servers in the domain run Windows Server 2012 R2.

Each office contains a single domain controller. Each domain controller is configured as a DHCP server and a DNS server. Each office is configured as an Active Directory site. There is an organizational unit (OU) for each department.

All client computers are configured to use the DNS server in their respective office only.

Network Infrastructure

The client computers in all of the offices are managed by using Microsoft System Center 2012R2 Configuration Manager. A collection exists for each department. There is a distribution point in each main office.

Proseware is evaluating Windows Intune for the management of personal devices. Currently, Windows Intune is not integrated with Configuration Manager.

The New York City office has the following servers and client computers:

. Client computers that run the 64-bit version of Windows 8.1 Enterprise and have Microsoft Office 2013

Microsoft 70-696 Exam

installed

- . A Windows Server Update Services (WSUS) server
- . Five file servers that host multiple shared folders
- . A Remote Desktop Services (RDS) server farm
- . Hyper-V servers

Each of the branch offices has the following servers and client computers:

- . Client computers that run the 64-bit version of Windows 8.1 Enterprise and have Office 2013 installed
- . A Windows Server Update Services (WSUS) server configured as a replica server
- . A file server that hosts multiple shared folders

The users in the sales department use laptops. Often, the sales department users are away from the office for more than a month at a time, during which they have no connection to the company network.

A corporate security policy for the company-owned client computers states that the Remote Desktop feature must be disabled and if a computer is idle for 15 minutes, a password-protected screen saver must be activated.

Recently, WSUS was integrated with Configuration Manager and several updates were approved and deployed by using Configuration Manager.

Application Infrastructure

A third-party desktop application named App1 is used by the users in the sales department and the marketing department. The application vendor publishes weekly updates for App1 to a public FTP site. The updates are packaged as MSP files.

A line-of-business Windows Store app named App2 is used by all users.

A third-party desktop application named App3 is used by the users in the research department. The first update for App3 was released by the application vendor as a Windows Installer (MSI) package. The update was not deployed yet.

App1, App2, and App3 are used only on company-owned computers.

Problem Statements

Proseware identifies the following issues on the network:

- . When an update to App1 is available, the sales department users report that they do not receive the update until they return to the office.
- . Minimize the costs associated with purchasing hardware and software,
- . Reduce licensing costs by identifying and uninstalling unused applications.

Planned Changes

Proseware plans to implement a new Bring Your Own Device (BYOD) policy. The policy will allow users to access corporate data and applications from their personal device. The devices must run one of the following approved operating systems:

- . Windows RT 8.1
- . Windows 8.1

Microsoft 70-696 Exam

- . Android 4.0
- . iOS7.0

Proseware plans to implement the following applications:

- . Redeploy App3 to include the update.
- . Deploy a new application named App4, a 32-bit desktop application that will be used by the marketing department users on their personal device.
- . Deploy a new application named App5, a 64-bit desktop application that will be used by all users. App5 uses a third-party installer, requires several pre-requisite software packages, and installs several kernel mode device drivers. App5 will be used only on company-owned computers.
- . Deploy a new application named App6, a desktop application that will be used by the sales department users. App6 is incompatible with Appl. App6 will be used only on company-owned computers.

Technical Requirements

Proseware identifies the following technical requirements:

- . Enforce a corporate security policy for personal devices, which states that all devices that have access to corporate data must have a security PIN and must lock automatically after five minutes of inactivity.
- . Generate a security report that lists all of the desktop computers that do not meet the corporate security policy.
- . Ensure that the marketing department users can use their applications from their personal device.
- . Ensure that personal devices have restricted access to domain resources.

Question No : 1 - (Topic 1)

You need to recommend a solution for updating App1.
What should you include in the recommendation?

- A. Microsoft Updates Publisher 2011
- B. the System Update Readiness Tool
- C. Windows Intune
- D. System Center 2012 R2 Operations Manager

Answer: C

Question No : 2 - (Topic 1)

You need to ensure that the personal devices that run Windows 8.1 meet the corporate security policy requirements.
What should you do first?

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- A. Create a federated trust with Windows Azure Active Directory.
- B. Create a federated identity relationship with the Microsoft Federation Gateway.
- C. Enroll the device in Windows Intune.
- D. Join the devices to the domain by using an offline domain join.

Answer: C

Question No : 3 - (Topic 1)

What is the best recommendation? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Client Hyper-V
- B. a local installation
- C. a RemoteApp program
- D. a Microsoft Application Virtualization (App-V) package

Answer: D

Question No : 4 - (Topic 1)

You need to resolve the Windows update issue.
What should you do?

- A. Modify the Group Policy objects (GPOs) in Active Directory.
- B. Synchronize software updates from Configuration Manager.
- C. Create an automatic deployment rule.
- D. Add distribution points to each branch office.

Answer: D

Question No : 5 - (Topic 1)

You need to make App4 available to all of the users.

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What should you do?

- A. Package App4 as an MSI package and upload the installer to Windows Intune.
- B. Sequence App4 and use streaming delivery.
- C. Deploy App4 as a Configuration Manager package.
- D. Deploy App4 to a Remote Desktop Session Host (RD Session Host) server.

Answer: D

Question No : 6 - (Topic 1)

You need to generate the security report. What should you do first?

- A. From Windows Intune, configure an alert policy.
- B. From Configuration Manager, deploy a configuration baseline.
- C. From Group Policy Management, run the Group Policy Results Wizard.
- D. From Update Services, configure reporting rollup.

Answer: B

Question No : 7 - (Topic 1)

You need to identify what prevents you from deploying App5 by using a Microsoft Application Virtualization (App-V) package.

What should you identify?

- A. the device drivers
- B. the installer type
- C. the software prerequisites
- D. the application architecture

Answer: A

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Question No : 8 - (Topic 1)

You need to recommend a solution to identify which applications must be uninstalled. What is the best recommendation? More than one answer choice may achieve the goal. Select the BEST answer.

- A. a Group Policy object (GPO) that contains an application control policy
- B. a reporting services point in Configuration Manager
- C. a Group Policy object (GPO) that contains an advanced audit policy configuration
- D. Configuration Manager clients that use compliance evaluation

Answer: B

Topic 2, Litware, Inc.

Case Study

Overview

Litware, Inc. is an international pharmaceutical company that has 1,500 employees, including a roaming sales staff of 30 users.

Litware has a main office and two branch offices. The main office is located in Montreal. The branch offices are located in Toronto and Seattle. All of the offices connect to each other by using a WAN link.

Existing Environment

Active Directory

The network contains one Active Directory forest named litware.com. The forest contains a single domain. All of the domain controllers reside in the Montreal and Toronto offices. All of the servers in the forest run Windows Server 2012 R2.

Cloud Environment

Each user has a mailbox hosted in Microsoft Office 365. Directory synchronization is configured between Active Directory and Office 365. Litware uses Windows Intune to manage the client computers used by the remote sales users. Both cloud services use the same public domain of litware.com.

Management Infrastructure

Litware has a deployment of Microsoft System Center 2012 R2 Configuration Manager. The schema extensions for Configuration Manager are deployed.

The deployment contains one primary site. Configuration Manager clients are installed on all of the physical client computers in the Montreal and Toronto offices.

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The relevant custom collections and custom Client Device Settings objects are configured as shown in the following table.

Name	Collection ID	Content
Collection1	LI10000A	All domain-member computers
Collection2	LI10000B	All client computers that run Windows 8.1 Enterprise
Collection3	LI10000C	All physical desktop computers in the Montreal office
CCS3	<i>Not applicable</i>	Custom settings deployed to Collection3

The collection of IDMIF and NOIDMIF files is enabled for the client computers. Auto-creation of software metering rules is disabled.

The sales users use Windows Phone devices. The devices are managed by using Microsoft Exchange Online.

Windows Server and Client Environment

The network contains the servers configured as shown in the following table.

Server name	Location	Role
Server1	Montreal	Configuration Manager primary site server Endpoint Protection point
Server2	Montreal	Microsoft SQL Server Reporting Services (SSRS) Reporting services point in Configuration Manager
Server3	Montreal	Software update point in Configuration Manager
Server4	Montreal	Remote Desktop Session Host (RD Session Host)
Server5	Montreal	Remote Desktop Virtualization Host (RD Virtualization Host)
Server11	Toronto	File server
Server21	Seattle	Software update point in Configuration Manager

Server4 is used only by the users in the Seattle office to provide access to line-of-business applications. Server5 is used only to provide the users in the Toronto office with access to personal virtual desktops. The disks on Server11 are configured as shown in the following table.

Drive name	Total disk size
C	150 GB
D	300 GB
E	400 GB
F	250 GB

Server11 contains a copy of all the up-to-date Windows and Endpoint Protection definition updates in a share named Updates. The network contains the client computers configured as shown in the following table.

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Location	Count	Type	Domain or workgroup	Operating system
Montreal	1,200	Physical desktop computers	Domain	Windows 8.1 Enterprise
Montreal	100	Virtual desktops	Domain	Windows 8.1 Enterprise
Toronto	100	Physical desktop computers in kiosk mode	Domain	Windows 8.1 Pro
Toronto	50	Physical desktop computers in kiosk mode	Workgroup	Windows 8.1 Pro
Seattle	20	Physical desktop computers	Domain	Windows 7 Enterprise
Remote users (sales)	30	Laptops	Workgroup	Windows 7 Professional

Each sales user has administrative privileges on their laptop. All other users do not have administrative privileges on their computer.

Application Environment

The sales users use a third-party application named App1. App1 is installed by using a Windows Installer (MSI) package and a Windows Installer transform (MST). App1 updates are released in the MSP format. Updates for x86 and x64 platforms are released separately.

Users in the Montreal office use several different versions of two applications named App2 and App3. The applications are configured as shown in the following table.

Application name	File system location	Version	Language
App2.exe	%ProgramFiles%\App2	1.0.0	English
App2.exe	%ProgramFiles%\App2	1.0.0	French
App2.exe	%ProgramFiles%\App2	2.0.0	English
App2.exe	%ProgramData%\App-V\GUID	2.0.0	English
App3.exe	%ProgramFiles%\App3	2.0.0	English

Internet Connectivity

Each office has an Internet connection. Last month, Litware reconfigured its web proxies, enforcing user authentication from all on-premises systems when connecting to the

Problem Statements

Litware identifies the following issues on the network:

- . There are compatibility issues between the applications that run on Server4.
- . An older version of App1 runs on some of the laptops of the sales users.
- . Since the reconfiguration of the web proxies, Server3 and Server21 can no longer synchronize software updates.

Requirements

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Business Goals

As much as possible, Litware wants to minimize the costs associated with purchasing hardware and software.

Planned Changes

Litware plans to implement the following changes:

- . Use Configuration Manager to manage all physical computers, tablets, and phones.
- . Integrate Microsoft Application Virtualization (App-V) 5.0 with Remote Desktop Services (RDS) and Configuration Manager.
- . Replace the laptops of the sales users with tablets that run Windows 8.1 RT and make all of the sales applications available through Remote Desktop.

General Requirements

Litware identifies the following general requirements:

- . The amount of disk space used by virtual desktop infrastructure (VDI)-based virtual machines must be minimized.
- . The principle of least privilege must be used, whenever possible.
- . Administrative effort must be minimized, whenever possible.

Application Requirements

Litware identifies the following application requirements:

- . The Seattle office users must use RemoteApp to run all of their applications. Usage of the applications must be tracked.
- . All new applications must use App-V 5.0. Currently, App-V is not used on RDS servers.
- . App1 must be updated on the client computers of the sales users.
- . App2 and App3 must be metered.

Device Requirements

Litware identifies the following device requirements:

- . Windows Phone 8.1 devices are the only smart phones permitted to access email on the Litware network.
- . No additional software must be installed on the Windows Phone devices of the sales users.
- . Only the sales users must be able to enroll their Windows 8.1 RT devices for management.

Compliance Requirements

Litware identifies the following compliance requirements:

- . The compliance of the client cache size for Configuration Manager must be regularly evaluated by running a WMI query in the following format:

```
Get-WmiObject -Namespace ROOT\CCM\SoftMgmtAgent -Query "Select Size from CacheConfig" |  
Select-Object -ExpandProperty "Size".
```

- . Configuration Manager must be able to generate license reconciliation reports for third-party applications installed on the desktop computers in the Montreal office.
- . Inventory of each Configuration Manager client in the Toronto office must include the phone number and

Microsoft 70-696 Exam

the extension of the office in which the computer is located.

- . Configuration Manager inventory of the Montreal office must include photocopiers and a custom hardware WMI class for each client.
- . The impact of Configuration Manager inventory and software metering on the performance of client computers must be minimized.
- . On the client computers in the Toronto office, client health auto-remediation in Configuration Manager must be disabled.

Configuration Manager Requirements

Litware identifies the following requirements for Configuration Manager:

- . Configuration Manager application packages and software update packages must be stored on drive E of the distribution points. If drive E is full, packages must be stored on a drive that has the most available disk space, except for drive C.
- . All WAN and Internet traffic caused by the installation of the Configuration Manager clients, as well as the download of Endpoint Protection definition files and software updates, must be minimized.
- . Configuration Manager must be used to manage all of the physical client computers and the mobile devices. RDS servers and virtual desktops will not be managed by using Configuration Manager.
- . Configuration Manager software update points must be configured to allow synchronization and the download of software updates.
- . The number of changes to the Configuration Manager Default Client Settings must be minimized.
- . Server11 must be configured as a distribution point.

Question No : 9 - (Topic 2)

You need to deploy the Configuration Manager client to all of the client computers in the Seattle office.

What is the best deployment method to use? More than one answer choice may achieve the goal. Select the BEST answer.

- A. software update-based
- B. client push
- C. a logon script
- D. manual

Answer: A

Question No : 10 - (Topic 2)

You need to identify the steps required to manage the Windows Phone devices of the sales users.

Which two actions should you perform from the Administration workspace of the Configuration Manager console? Each correct answer presents part of the solution.