70-413

Designing and Implementing a Server Infrastructure

DEMO

Topic 1, Leyburn Investments

Company Background

Leyburn Investments is a global financial services company. The company has 5,100 employees based in offices in New York, London, Rome and Madrid.

The New York office is the corporate headquarters. The New York office has 3000 employees. The London, Rome and Madrid offices each have 700 employees.

Existing Environment

Existing Active Directory Environment

The network consists of a single Active Directory forest named LeyburnInv.com. The New York office contains the LeyburnInv.com root domain. The London, Rome and Madrid offices have domains named London.LeyburnInv.com, Rome.LeyburnInv.com and Madrid.LeyburnInv.com respectively.

All four domains have domain controllers running Windows Server 2008 R2. All domain controllers are configured as DNS Servers. The forest functional level of the LeyburnInv.com forest is Windows Server 2008.

Network Infrastructure

Each of the four offices has a high speed Internet connection. All four offices have VPN connections to the other offices.

Each office includes the following servers:

- Two physical Windows Server 2008 R2 domain controllers.
- One physical Windows Server 2008 R2 DHCP server.
- Four physical Windows Server 2008 R2 file servers.

Business Requirements

Planned Changes

- The Rome and Madrid offices will be closed.
- Active Directory user accounts, computer accounts and Group Policy Objects (GPOs) from the Rome.LeyburnInv.com domain will be moved to the London.LeyburnInv.com domain and the Rome.LeyburnInv.com domain will be decommissioned.

- The Madrid office will be moved to Barcelona. The Madrid.LeyburnInv.com domain will be renamed to Barcelona.LeyburnInv.com.
- A Windows Server IP Address Management (IPAM) server will be deployed in each office.
- Ten new Windows Server 2012 Hyper-V host servers will be deployed to the New York, London and Barcelona offices.
- Active Directory Recycle Bin will be enabled in each domain.
- Start Menu and Desktop folder redirection will be enabled in the Barcelona office.

Technical Requirements

Leyburn Investments has the following technical requirements:

- Allow for software installation using disk imaging or virtual machine cloning
- Reduce the number of physical servers by using virtualization.
- Upgrade servers to Windows Server 2012.
- Implement a central solution for managing virtual machines.
- Deploy virtual domain controllers using virtual machine cloning.
- Distribute virtual machines between Hyper-V hosts automatically according to server load.

QUESTION NO: 1

You need to enable the deployment of domain controllers using virtual machine cloning.

Which of the following would need to be done first?

A. The domain controller running the Schema Master role needs to be upgraded to Windows Server 2012.
B. The domain controller running the Domain Naming Master role needs to be upgraded to Windows Server 2012.
C. All domain controllers running the Infrastructure Master role need to be upgraded to Windows Server 2012.
D. The functional level of the forest needs to be raised to Windows Server 2012.
E. All domain controllers running the PDC Emulator role need to be upgraded to Windows Server 2012.

Answer: E
Explanation:

QUESTION NO: 2

You need to enable Active Directory Recycle Bin in the domains.

Which of the following would need to be done first?

A. The functional level of the forest needs to be raised to Windows Server 2008 R2 or later.
B. The domain controller running the Schema Master role needs to be upgraded to Windows Server 2012.
C. All domain controllers need to be upgraded to Windows Server 2012.
D. All domain controllers running the Infrastructure Master role need to be upgraded to Windows Server 2012.

Answer: A
Explanation:

QUESTION NO: 3

Which of the following technologies should you implement to meet the technical requirement of distributing virtual machines between Hyper-V hosts automatically according to server load?

A. Windows Network Load Balancing.
B. Microsoft System Center 2012 Virtual Machine Manager (VMM).
C. Microsoft System Center 2012 Data Protection Manager (DPM).
D. Microsoft Enterprise Desktop Virtualization (MED-V)

Answer: B
Explanation:

QUESTION NO: 4

You have created a Windows Server 2012 virtual machine configured as a domain controller.

You want to clone the virtual domain controller to create another virtual domain controller.

Which two of the following steps should you perform first? (Choose two).

A. Run the Install-ADDSDomainController PowerShell cmdlet.
B. Run the New-ADDCCloneConfigFile PowerShell cmdlet.
C. Run sysprep.exe /oobe.
D. Run dcpromo.exe /adv.
E. Place a DCCloneConfig.xml file in the %Systemroot%\NTDS folder.
F. Place an Unattend.xml file in the %Systemroot%\SYSVOL folder.