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Exam : **70-247**

Title : Configuring and Deploying a Private Cloud with System Center 2012

Version : Demo

1. Topic 1, Contoso, Ltd

Overview
Contoso, Ltd. is a manufacturing company.
Contoso has a main office and six branch offices. The main office is located in Toronto. The branch offices are located in New York, Seattle, Miami, Montreal, Los Angeles, and Vancouver.

Existing Environment
Active Directory Environment
The network contains an Active Directory forest named contoso.com. The forest contains a child domain for each office.
Active Directory currently contains 7,500 user accounts and 15,000 computer accounts.

Network Infrastructure
All servers are located in a data center in Toronto. The data center contains multiple subnets that are separated by firewalls.
The Toronto data center contains a cluster that runs Microsoft SQL Server 2008 Enterprise Service Pack 1 (SP1).
Four servers are unused and are being considered as potential Hyper-V hosts.
The servers are configured as shown in the following table.

Server name	Baseboard Management Controller (BMC)	Operating system
Server1	Installed	Windows Server 2012
Server2	Not installed	None
Server3	Installed	None
Server4	Installed	Windows Server 2008 R2

All of the servers being considered as potential Hyper-V hosts have both locally attached storage and access to a SAN.

Help Desk Environment
Contoso uses a help desk ticketing system that was developed in-house. Fifty help desk agents have access to the ticketing system.
The ticketing system currently tracks:
- An average of two new incidents per month, per client computer
- An average of 2,000 change requests per month

Disaster Recovery Environment
Contoso uses a third-party backup solution.
Backups are scheduled for the servers in the Seattle office as follows:
- The daily incremental backups total 10 GB.
- The total size of data to back up is 100 GB.
- Backed up data is retained for 10 business days.

Problem Statements
The original developers of the help desk ticketing system are no longer employed by Contoso and maintenance of the system is becoming an issue.

Requirements

Planned Changes
Contoso plans to move the IT infrastructure to a private cloud.
Whenever possible, hardware and software costs must be minimized.
Contoso plans to open a small office in Beijing. System Center 2012 App Controller will be used to manage applications. The display names of the applications will be in Simplified Chinese Pinyin IME.
New physical servers will be deployed by using System Center 2012 Configuration Manager from a server named Server5. Server5 will also be a PXE service point.
The current backup solution will be replaced with System Center 2012 Data Protection Manager (DPM).
A public key infrastructure (PKI) will be deployed to issue and manage certificates. The PKI deployment must be made as secure as possible.
Hardware load balancers will be deployed for use in the deployment of private cloud services.

Cloud Requirements
- Contoso plans to implement a cloud solution that meets the following requirements:
- Stores all virtual machines on the SAN only.
- Uses SAN copy to provision the virtual machines.
- Provides the ability to manage the resolution of incidents.
- Contains managed virtual machines across both private and public clouds.
- Provides the ability to customize the settings of management packs provided by Microsoft.
- Collects security events from all of the servers running in the private cloud and provides centralized reporting on the events.

App1 Requirements
A new application named App1 will be deployed to the private cloud.
App1 is a three-tier application that contains the following components:
- A front-end tier that runs a web server. The tier must be highly available and capable of being quickly scaled out if required.
- A middle tier that runs an application server.
- A back-end tier that runs a database.

App2 Requirements
An application named App2 will be deployed to the public cloud. Users will be authenticated by using the on-premises Active Directory. The users must be able to access App2 without being prompted for authentication again.

You need to recommend a deployment topology for the PKI. The deployment topology must meet the cloud requirements.

What should you recommend? (More than one answer choice may achieve the goal. Select the BEST answer.)
A. An online enterprise root certification authority (CA) only
B. An online standalone root certification authority (CA) only
C. An offline root certification authority (CA) and an online enterprise subordinate CA
D. An offline root certification authority (CA) and an online standalone subordinate CA
Answer: C

2.You need to recommend a solution for the management packs. The solution must meet the cloud requirements.
What should you recommend? (More than one answer choice may achieve the goal. Select the BEST answer.)
A. Export the management packs, and then modify the settings of the management packs. Seal the management packs, and then import the management packs.
B. Export the management packs, modify the settings of the management packs, and then import the unsealed management packs.
C. Unseal the management packs, and then modify the settings of the management packs.
D. Create a new management pack that contains overrides.
Answer: B

3.You need to recommend a solution to meet the requirements for App2.
What should you include in the recommendation?
A. Active Directory Rights Management Services (AD RMS)
B. Active Directory Federation Services (AD FS)
C. Windows Azure Active Directory Rights Management Services
D. Microsoft Forefront Identity Manager (FIM) 2010 R2
Answer: B

4.You need to recommend the configuration settings for the SQL Server instance that will host the App Controller database. The solution must support the planned changes.
What should you include in the recommendation?
A. Change the database collation.
B. Enable case sensitivity.
C. Disable full-text search.
D. Install the SQL Server Reporting Services (SSRS).
Answer: A
Explanation:
Reference:
To support Simplified Chinese change MS SQL Collation
http://msdn.microsoft.com/en-us/library/ms144250(v=sql.105).aspx

5.You need to identify which components must be created to meet the App1 deployment requirements.
Which components should you identify?
A. A service template and a service request template

B. A guest operating system profile and a virtual IP (VIP) template
C. A guest operating system profile and a service request template
D. A service template and a virtual IP (VIP) template
Answer: C