

Microsoft

Exam 70-246

Monitoring and Operating a Private Cloud with System Center 2012

Version: 15.0

[Total Questions: 170]

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Topic 1, A.Datum

Overview

A. Datum Corporation is an accounting company that has 3,000 employees.

A. Datum has two main offices and five branch offices. The main offices are located in London and New York. The branch offices are located in Asia. All offices connect to each other by using a WAN link. Each office connects directly to the Internet.

Existing Environment

Active Directory Environment

The network contains an Active Directory forest named adatum.com. The forest contains a single domain. All domain controllers run Windows Server 2012.

Each office contains five domain controllers. Each office is configured as an Active Directory site.

System Center 2012 Infrastructure

A. Datum has a System Center 2012 infrastructure that contains six servers. The servers are configured as shown in the following table.

Server name	Role
LON-SQL1	Database server for all System Center 2012 components
LON-VMM1	System Center 2012 Virtual Machine Manager (VMM) server that has all features installed
LON-SM1	System Center 2012 Service Manager server that has all features installed
LON-OR1	System Center 2012 Orchestrator server that has all features installed
LON-OM1	System Center 2012 Operations Manager management server
LON-AC1	System Center 2012 App Controller

System Center 2012 is used to maintain a private cloud named Cloud1. Cloud1 consists of 10 Hyper-V hosts in the London office. Cloud1 hosts the following applications:

- ✍ A custom accounting application named App1. App1 consists of four virtual machines. Two of the virtual machines have Microsoft SQL Server 2012 installed. The other two virtual machines have the Web Server (IIS) server role installed. App1 is deployed by using a service template.
- ✍ A custom marketing application named App2. App2 consists of two virtual machines. One virtual machine has SQL Server 2012 installed. The other virtual machine has the Web Server (IIS) server role installed. App2 is deployed by using virtual machine templates.

- ✍ System Center 2012 Configuration Manager
- ✍ Microsoft SharePoint Server 2010
- ✍ Microsoft Exchange Server 2010
- ✍ Microsoft Lync Server 2010

Problem Statements

The virtual machine template used to deploy web servers for App2 does not include the Network Load Balancing (NLB) feature. A. Datum plans to scale out App2 to use NLB.

Requirements

Business Goals

A. Datum plans to make App1 available to its customers by hosting the application in either A. Datum's data center or in a Windows Azure public cloud named Cloud2.

A. Datum wants to minimize hardware and software purchasing costs, whenever possible.

Planned Changes

A. Datum plans to implement the following changes:

- ✍ Implement Operations Manager.
- ✍ To App1, add a server that has Microsoft BizTalk Server deployed.
- ✍ Deploy a new instance of App1 to the New York office. The instance must comply with the Sarbanes-Oxley Act.
- ✍ Implement Configuration Manager and integrate Configuration Manager and VMM. Configuration Manager will be used to manage updates for the Hyper-V hosts.

Technical Requirements

A. Datum identifies the following technical requirements:

- ✍ Create a runbook that will be used by Service Manager to create an instance of a virtual machine. The virtual machine will be based on a virtual machine template named VMT1. Users must be able to request the creation of instances of the virtual machine from a self-service portal.
- ✍ Ensure that the users in the sales department can use a self-service portal to request that a new instance of App1 be created in Cloud1 for a customer. The new instance must only be created if the sales department manager approves the request.
- ✍ Ensure that if an Exchange Server 2010 service unexpectedly stops, a series of automatic actions is performed to remediate the service failure. The status of each performed action must be logged in an incident.
- ✍ Monitor App1 to ensure that client computers in the New York office can connect to an instance of App1 hosted in the London office. The monitoring solution must perform tasks that emulate a user accessing App1.
- ✍ Ensure that database administrators can access alerts, state information, and performance counters for all of the SQL Server servers in Cloud1 from a SharePoint webpage.
- ✍ Ensure that the instances of the App2 hosted in Cloud1 are monitored from a graphical diagram that displays all of the components of App2.
- ✍ Automatically create and assign incidents in Service Manager when an alert is generated in Operations Manager.

- ✍ Ensure that users can receive alert notifications from Operations Manager as Microsoft Lync instant messaging (IM) messages.
- ✍ Monitor the availability of the SharePoint Server 2010 server farm from the New York office.
- ✍ Ensure that administrators can undo changes made to the custom rules created in Operations Manager.
- ✍ Ensure that help desk users can contact the affected users of an incident by using IM.
- ✍ Add the new BizTalk Server server to App1 by using a service template.

Question No : 1 - (Topic 1)

You need to recommend a solution to meet the monitoring requirements for App2.

What should you include in the recommendation? (More than one answer choice may achieve the goal. Select the BEST answer.)

- A. An aggregate rollup monitor
- B. A distributed application
- C. A dependency rollup monitor
- D. Service monitors

Answer: B

Explanation:

"Ensure that the instances of the App2 hosted in Cloud1 are monitored from a graphical diagram that displays all of the components of App2"

Question No : 2 - (Topic 1)

You need to recommend a solution to monitor the SharePoint Server 2010 server farm.

The solution must meet the technical requirements.

What should you include in the recommendation?

- A. A distributed application
- B. A synthetic transaction

- C. A subscription
- D. An event rule

Answer: B

Question No : 3 HOTSPOT - (Topic 1)

You need to recommend a solution to meet the monitoring requirements for the database administrators.

Which components should you recommend deploying in Operations Manager and SharePoint Server 2010? (To answer, select the appropriate components in the answer area.)

Operations Manager:

SharePoint Server 2010:

Operations Manager:

the Internet Information Services (IIS) Management F
 the Operations Manager web console
 the SharePoint 2010 Management Pack

SharePoint Server 2010:

the Operations Manager agent
 the Operations Manager Web Part
 SQL Server Reporting Services (SSRS)

Answer:

Operations Manager:

the Internet Information Services (IIS) Management F
the Operations Manager web console
 the SharePoint 2010 Management Pack

SharePoint Server 2010:

the Operations Manager agent
the Operations Manager Web Part
 SQL Server Reporting Services (SSRS)

Question No : 4 DRAG DROP - (Topic 1)

You create a virtual machine template for the BizTalk Server server.

You need to recommend a method to update App1. The method must meet the technical requirements.

Which four actions should you perform in sequence? (To answer, move the appropriate four actions from the list of actions to the answer area and arrange them in the correct order.)

Actions	Answer Area
Set the service template for the App1 service.	
Apply the service template to the existing servers.	
Create a copy of the App1 service template.	
Add a new host to Cloud1.	
Update the service template.	

Answer:

Actions	Answer Area
Set the service template for the App1 service.	Create a copy of the App1 service template.
Apply the service template to the existing servers.	Update the service template.
Create a copy of the App1 service template.	Set the service template for the App1 service.
Add a new host to Cloud1.	Apply the service template to the existing servers.
Update the service template.	

Question No : 5 - (Topic 1)

You need to implement a solution to meet the monitoring requirements for App1.

Which template should you use?

- A. TCP Port
- B. Web Application Transaction Monitoring
- C. Windows Service
- D. Process Monitoring

Answer: B

Explanation:

The Web Application Transaction Monitoring template lets you test a website or web-based application by sending requests over HTTP, validating their response, and measuring their performance. This can be a simple test to determine if the website is responding, or it can be a complex set of requests to simulate a user who is performing such actions as logging on to the site and browsing through a set of pages.

Question No : 6 - (Topic 1)

You need to recommend a solution to ensure that the sales department managers can create instances of App1 in Cloud1.

What should you include in the recommendation?

- A. A subscription in App Controller and a task in Service Manager
- B. A dashboard in Operations Manager and a distributed application
- C. A task in Operations Manager and a distributed application
- D. A service offering in Service Manager and a runbook in Orchestrator

Answer: D

Question No : 7 - (Topic 1)

You need to implement the alert notifications. The solution must meet the technical requirements. A Lync Server administrator enables an account named ADATUMIMUser for Unified Communications. What should you do next?

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- A.** Configure ADATUMIMUser as a Run As Account. Install the Lync Management Pack. Create a notification subscriber and an IM channel.
- B.** Create a mailbox for the ADATUMIMUser account Install the Exchange Server Management Pack. Create a notification subscriber and an SMTP channel.
- C.** Create a mailbox for the ADATUMIMUser account. Install Microsoft Visual C++ 2008 Runtime. Create a notification subscriber and an SMTP channel.
- D.** Configure ADATUMIMUser as a Run As Account. Install Unified Communications Managed API 3.0 Runtime. Create a notification subscriber and an IM channel.

Answer: D

Question No : 8 DRAG DROP - (Topic 1)

You are evaluating the implementation of additional servers to host App2.

You need to prepare the new servers to meet technical requirements for App2.

Which three actions should you recommend performing in sequence?

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

Actions	Answer Area
Create a hardware profile.	
Create a service template.	
Create a virtual machine template.	
Create an application profile.	
Add an application host template to the service template.	
Add the virtual machine template to the service template.	

Answer:

Actions	Answer Area
Create a hardware profile.	Create a virtual machine template.
Create a service template.	Create a service template.
Create a virtual machine template.	Add the virtual machine template to the service template.
Create an application profile.	
Add an application host template to the service template.	
Add the virtual machine template to the service template.	

Question No : 9 - (Topic 1)

You need to recommend a solution to remediate the Exchange Server 2010 service failures.

The solution must meet the technical requirements.

What should you include in the recommendation?

- A. Create a service request workflow that triggers a dependent activity.
- B. Create an incident event workflow that triggers a dependent activity.
- C. Create an incident event workflow that triggers a runbook activity.
- D. Create a service request workflow that triggers a runbook activity.

Answer: C

Question No : 10 - (Topic 1)

You need to recommend which Orchestrator integration packs must be deployed to reduce the amount of development effort required to deploy an instance of VMT1.

Which Orchestrator integration packs should you recommend?