Designing and Deploying Microsoft Exchange Server 2016

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Overview
Fabrikam, Inc. is an international manufacturing company that has 5,000 employees. The company has sales, marketing, research, and human resources departments.
Fabrikam has two main offices and three branch offices. The main offices are located in New York and London.
The branch offices are located in Seattle, Montreal, and Paris.
The offices connect to each other by using a WAN link. Each office connects directly to the Internet. The WAN connections from the main offices to the branch offices are reliable.

Exchange Environment
MX records are configured to deliver email to the offices in New York and London. Email is delivered to the London office only if the New York office is unavailable.
Each office is configured to use a separate namespace for client access. The New York office is configured to use a namespace of mail.fabrikam.com.
The servers in the New York and London offices are members of a database availability group (DAG). Each mailbox database in the New York and London offices has three copies.
The technical support staff in the branch offices have administrative access to the existing Exchange servers and are assigned Organization Management permissions.
Users from the sales department frequently send email messages that contain the Social Security number of customers in the United States.

Problem Statements
Fabrikam identifies the following issues on the network:

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Users in the Paris office report that when launching Microsoft Outlook, they receive a security alert indicating a certificate name mismatch. The security alert is not generated when they connect to Outlook Web Access. Users from the other offices do not report receiving the security alert.


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Planned Changes

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- Enable online document viewing and editing from Outlook on the web.

High Availability Requirements

Fabrikam identifies the following high-availability requirements for the planned deployment:

- Mailbox databases that contain mailboxes for the New York office users must only be activated on the servers in the London office manually.
- All client access connections to the London and New York offices must use load-balanced namespaces. The load balancing mechanism must perform health checks.

Security and compliance requirements

Fabrikam identifies the following security and compliance requirements:

- After the planned upgrade, the maximum mailbox size must be 5 GB.
- Administrators from the branch offices must be able to view the mailbox properties and reset the passwords of the users, but must be prevented from changing the mailbox database configurations.
- Users who are involved in legal disputes with customers must be prevented from permanently deleting email messages pertaining to the dispute. The users must be able to delete all other messages permanently.
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Connectivity requirements

Fabrikam identifies the following connectivity requirements:

- Connections for inbound and outbound email must be initiated and terminated from an Edge Transport...
server in the perimeter network.

- All external client connections from the branch office users must be proxied from the New York office to the branch offices.
- The number of namespaces used for client access must be minimized.

**Question 1**

You need to recommend changes to the existing environment to meet the high-availability requirements for the mailbox databases. What should you recommend?

**Options:**

A. Run the Set-MailBoxDatabase cmdlet.
B. Run the Set-DatabaseAvailabilityGroup cmdlet.
C. Run the Set-MailBoxServer cmdlet.
D. Run the Set-MailBoxDatabaseCopy cmdlet.

**Answer: C**

**Explanation:**

**Scenario:**

Mailbox databases that contain mailboxes for the New York office users must only be activated on the servers in the London office manually.

We can use the Set-MailBoxServer cmdlet with the DatabaseCopyAutoActivationPolicy parameter.

**References:**


**TESTLET-1.**

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**Question 2**
You deploy Layer 7 load balancers to the New York and London offices.
You are planning the namespace configuration that will be used once you complete the planned upgrade to Exchange Server 2016.
You need to recommend a solution to meet the connectivity requirements for the namespaces.
What should you recommend?

**Options:**

A. On the New York office servers, change the internal URLs to mail.fabrikam.com.

B. On all of the branch office servers, change the external URLs to $null.

C. On all of the branch office servers, change the external URLs to mail.fabrikam.com.

D. On the New York office servers, change the internal URLs to $null.

**Answer:** C

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**Explanation:**

**Scenario:**

Fabrikam connectivity requirements include: The number of namespaces used for client access must be minimized.

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**Question 3**

You need to recommend changes to the messaging infrastructure. The changes must meet the connectivity requirements after the planned upgrade.

Which two actions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

**Options:**

A. From the Mailbox servers, import the Edge Subscription file.

B. On the Edge Transport Servers, start Edge Synchronization.

C. On the Edge Transport servers, import the Edge Subscription file.

D. On the Edge Transport servers, create an Edge Subscription file.

E. On the Mailbox servers, restart the Microsoft Exchange Transport service.

**Answer: A, E**

**Explanation:**

Edge Subscriptions are used to populate the Active Directory Lightweight Directory Services (AD LDS) instance on the Edge Transport server with Active Directory data. Although creating an Edge Subscription is optional, subscribing an Edge Transport server to the Exchange organization provides a simpler management experience and enhances antispam features.

To deploy an Edge Transport server and subscribe it to an Active Directory site, follow these steps:

- Install the Edge Transport server role.

- Prepare for the Edge Subscription:

  - On the Edge Transport server, create and export an Edge Subscription file by running the New-EdgeSubscription cmdlet.

  - Copy the Edge Subscription file to a Mailbox server or a file share that's accessible from the Active Directory.

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site containing your Mailbox servers.

Import the Edge Subscription file to the Active Directory site by running the New-EdgeSubscription cmdlet on the Mailbox server.

Scenario: Fabrikam connectivity requirements include:
Connections for inbound and outbound email must be initiated and terminated from an Edge Transport server in the perimeter network.


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**Question 4**

You need to recommend changes to the existing environment to meet the high-availability requirements for the mailbox databases.

What should you recommend?

**Options:**

A. Run the Suspend-MailboxDatabaseCopy cmdlet.

B. Run the Update-MailboxDatabaseCopy cmdlet.

C. Deploy a file share witness to a branch office.

D. Modify the cluster resource properties.

E. Deploy a file share witness in Azure.

**Answer: A**

**Explanation:**

Scenario:

Mailbox databases that contain mailboxes for the New York office users must only be activated on the servers in the London office manually.

We can use the Suspend-MailboxDatabaseCopy cmdlet with the -ActivationOnly parameter.

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**Question 5**

**HOTSPOT**

You need to configure a data loss prevention (DLP) policy to meet the compliance and security requirements.

How should you configure the policy rule? To answer, select the appropriate options in the answer area.

Note: Each correct selection is worth one point.

Hot Area:
### Answer Area

**Apply this rule if...**

<table>
<thead>
<tr>
<th>The recipient is outside of the organization.</th>
</tr>
</thead>
<tbody>
<tr>
<td>The message properties include this classification.</td>
</tr>
</tbody>
</table>

And...

<table>
<thead>
<tr>
<th>The recipient is outside of the organization.</th>
</tr>
</thead>
<tbody>
<tr>
<td>The message contains sensitive information.</td>
</tr>
</tbody>
</table>

**Do the following...**

<table>
<thead>
<tr>
<th>Add the sender’s manager as a recipient.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generate an incident report and send the report to (email address).</td>
</tr>
<tr>
<td>Block the message: Reject the message and include an explanation.</td>
</tr>
</tbody>
</table>

And...

<table>
<thead>
<tr>
<th>Redirect the message to (email address).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notify the sender by using a policy tip and block the message.</td>
</tr>
<tr>
<td>Block the message: Reject the message and include an explanation.</td>
</tr>
</tbody>
</table>

**Options:**

A.
Scenario: If a user enters a Social Security number in an email message addressed to an external recipient, the user must receive a notification before sending the message. If the user sends the message, the message must not be delivered. A compliance officer must be notified of the violation.
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- Network administrators report that the mailbox databases in the New York office sometimes activate on the

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**Question 6**
HOTSPOT
You need to recommend how many database availability groups (DAGs) and how many namespaces must be added to the site resilience solution to meet the availability requirements.
How many namespaces and DAGs should you recommend adding? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:
Options:
A.

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Box 1: Number of namespaces: Four
Box 2: Number of Dags: Two
Depending on your architecture and infrastructure you have two choices:
These choices are tied to the DAG architecture.

- Deploy a unified namespace for the site resilient datacenter pair (unbound model).

- In an unbound model, you have a single DAG deployed across the datacenter pair.

- Deploy a dedicated namespace for each datacenter in the site resilient pair (bound model).
In a bound model, multiple namespaces are preferred, two per datacenter (primary and failback namespaces),
to prevent clients trying to connect to the datacenter where they may have no connectivity.
As its name implies, in a bound model, users are associated (or bound) to a specific datacenter. In other words,
there is preference to have the users operate out of one datacenter during normal operations and only have
the users operate out of the second datacenter during failure events. There is also a possibility that users do not
have equal connectivity to both datacenters. Typically, in a bound model, there are two DAGs deployed in the
datacenter pair. Each DAG contains a set of mailbox databases for a particular datacenter; by controlling where
the databases are mounted, you control connectivity.
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**Question 7**
You remove the namespaces for the branch offices.
The branch office users report that they fail to connect to their mailbox by using Exchange ActiveSync from their mobile device.
You need to ensure that all of the users can access their mailbox by using Exchange ActiveSync.
What should you do?

**Options:**
A. Instruct the users to recreate the Exchange ActiveSync partnership on their device.
B. Create a new device access rule.
C. Run the Set-MobileDeviceMailboxPolicy cmdlet.
D. Run the Set-ActiveSyncOrganizationSettings cmdlet.

**Answer: C**

**Explanation:**
In Exchange 2016, you can create mobile device mailbox policies to apply a common set of policies or security settings to a collection of users. After you deploy Exchange ActiveSync in your Exchange 2016 organization, you can create new mobile device mailbox policies or modify existing policies. Use the Set-MobileDeviceMailboxPolicy cmdlet to modify mobile device mailbox policies.

Incorrect Answers:
D: Use the Set-ActiveSyncOrganizationSettings cmdlet to set the MicrosoftExchange ActiveSync settings for the organization.


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Users from the sales department frequently send email messages that contain the Social Security number of customers in the United States.

Problem Statements
Fabrikam identifies the following issues on the network:

- Users in the Paris office report that when launching Microsoft Outlook, they receive a security alert indicating a certificate name mismatch. The security alert is not generated when they connect to Outlook Web Access.
- Users from the other offices do not report receiving the security alert.

Requirements
Planned Changes
Fabrikam plans to implement the following changes to the network:

- Upgrade the organization to Exchange Server 2016 during the next six months.
- Enable online document viewing and editing from Outlook on the web.

High Availability Requirements
Fabrikam identifies the following high-availability requirements for the planned deployment:

- Mailbox databases that contain mailboxes for the New York office users must only be activated on the servers in the London office manually.
- All client access connections to the London and New York offices must use load-balanced namespaces.

https://www.certification-questions.com
The load balancing mechanism must perform health checks.

Security and compliance requirements

Fabrikam identifies the following security and compliance requirements:

- After the planned upgrade, the maximum mailbox size must be 5 GB.
- Administrators from the branch offices must be able to view the mailbox properties and reset the passwords of the users, but must be prevented from changing the mailbox database configurations.
- Users who are involved in legal disputes with customers must be prevented from permanently deleting email messages pertaining to the dispute. The users must be able to delete all other messages permanently.
- If a user enters a Social Security number in an email message addressed to an external recipient, the user must receive a notification before sending the message. If the user sends the message, the message must not be delivered. A compliance officer must be notified of the violation.

Connectivity requirements

Fabrikam identifies the following connectivity requirements:

- Connections for inbound and outbound email must be initiated and terminated from an Edge Transport server in the perimeter network.
- All external client connections from the branch office users must be proxied from the New York office to the branch offices.
- The number of namespaces used for client access must be minimized.

**Question 8**

You begin to implement the Exchange Server 2016 servers and plan to decommission the Exchange Server 2013 servers during the next six months. You need to recommend which actions must be performed to support the planned changes for document collaboration. You install Microsoft Office Online Server on a new server. Which two cmdlets should you recommend running next? Each correct answer presents part of the solution.

**Options:**

A. New-OfficeWebAppsFarm

B. Set-PartnerApplication

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C. Set-MailboxServer
D. New-OfficeWebAppsHost
E. Set-OrganizationConfig

Answer: A, C

Explanation:
References:

TESTLET-1.
Overview
Fabrikam, Inc. is an international manufacturing company that has 5,000 employees. The company has sales, marketing, research, and human resources departments.
Fabrikam has two main offices and three branch offices. The main offices are located in New York and London.
The branch offices are located in Seattle, Montreal, and Paris.
The offices connect to each other by using a WAN link. Each office connects directly to the Internet. The WAN connections from the main offices to the branch offices are reliable.

Exchange Environment
MX records are configured to deliver email to the offices in New York and London. Email is delivered to the London office only if the New York office is unavailable.
Each office is configured to use a separate namespace for client access. The New York office is configured to use a namespace of mail.fabrikam.com.
The servers in the New York and London offices are members of a database availability group (DAG). Each mailbox database in the New York and London offices has three copies.
The technical support staff in the branch offices have administrative access to the existing Exchange servers and are assigned Organization Management permissions.

Users from the sales department frequently send email messages that contain the Social Security number of customers in the United States.

Problem Statements
Fabrikam identifies the following issues on the network:

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Access.

Users from the other offices do not report receiving the security alert.


Requirements

Planned Changes

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Fabrikam identifies the following high-availability requirements for the planned deployment:

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The number of namespaces used for client access must be minimized.

**Question 9**

You need to recommend a solution for the users involved in the legal disputes. What should you include in the recommendation?

**Options:**

A. a journal rule
B. an Outlook protection rule
C. an In-Place Hold
D. a Litigation Hold

**Answer:** C

**Explanation:**

References:


**TESTLET-1.**

**Overview**

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**Exchange Environment**

The Exchange Server organization contains servers that have either Exchange Server 2010 or Exchange Server 2013 installed. Each main office contains two Exchange Server 2013 servers. Each branch office contains one Exchange Server 2010 server. MX records are configured to deliver email to the offices in New York and London. Email is delivered to the London office only if the New York office is unavailable. Each office is configured to use a separate namespace for client access. The New York office is configured to use a namespace of mail.fabrikam.com. The servers in the New York and London offices are members of a database availability group (DAG). Each
mailbox database in the New York and London offices has three copies. The technical support staff in the branch offices have administrative access to the existing Exchange servers and are assigned Organization Management permissions. Users from the sales department frequently send email messages that contain the Social Security number of customers in the United States.

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- The number of namespaces used for client access must be minimized.
Question 10
HOTSPOT
You need to recommend a solution to resolve the security alert issue encountered by the Paris office users after the planned upgraded.
Which command should you recommend? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point
Hot Area:

Answer Area

Options:
A.

Answer Area

Answer: A
Explanation:

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