vce trainer



Reference Solution for MS-200.52q

MS-200

MS-200

Planning and Configuring a Messaging Platform

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Score: 800/1000

Version:

Time Limit: 120 Minutes

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Manage Modern Messaging Infrastructure

(14 questions)

Question 1

You are deploying Microsoft Exchange Server 2019.

You plan to test the performance of the MetaCache Database (MCDB).

You deploy a new Exchange Server 2019 server that has the following configurations:

Four quad-core Xeon processors
One 1-Gpbs network adapter
Four 1-TB hard disk drives (HDDs)
256 GB of memory

What should you do to support the MCDB?

- ☐ Add four additional processors
- ☐ Replace the 1-Gbps network adapter with a 10-Gbps network adapter
- ☐ Add an additional 256 GB of memory
- ☒ Add two solid-state drives (SSDs)

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/high-availability/database-availability-groups/metacachedatabase-setup?view=exchserver-2019

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Question 2

You have a Microsoft Exchange Server 2019 organization.

You have a database availability group (DAG) that contains the members and databases shown in the following table.

DAG member	Database
EX01	Mail1 (active), Mail2, Mail3
EX02	Mail2 (active), Mail3, Mail4
EX03	Mail3 (active), Mail4, Mail5
EX04	Mail4 (active), Mail5, Mail1

EX01 fails.

All users report that they can access their email normally.

You resolve the issue on EX01.

You need to return the DAG to its original configuration as quickly as possible.

What should you do?

- ☒ Resume the replication of Mail1, Mail2, and Mail3 on EX01
- ☐ Reseed Mail1 on EX01
- ☐ Activate a copy of Mail1 on EX01
- ☐ Suspend database copy operations on Mail1, Mail2, and Mail3

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Question 3

Your company has two data centers in Berlin and one data center in Toronto. Each data center contains two Microsoft Exchange Server 2019 servers.

You have a database availability group (DAG) that contains all the Exchange servers. Each server contains a copy of all the mailbox databases. Datacenter Activation Coordination (DAC) mode is enabled for the DAG.

A power failure causes both data centers in Berlin to become unavailable.

You need to ensure that users can access their mailbox as quickly as possible.

Which two cmdlets should you run? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- ☒ Stop-DatabaseAvailabilityGroup
- ☒ Restore-DatabaseAvailabilityGroup
- ☐ Remove-DatabaseAvailabilityGroupServer
- ☐ Suspend-MailboxDatabaseCopy
- ☐ Start-DatabaseAvailabilityGroup

Question 4

Your network contains two Active Directory sites named Site1 and Site2.

You deploy a new Microsoft Exchange Server 2019 organization that contains a Mailbox server in each site.

You need to configure the organization to use a single namespace for Autodiscover.

What should you do?

- ☐ Create an SRV record named AutoDiscover.
- ☐ Create a TXT record named AutoDiscover.
- ☒ Run the Set-ClientAccessService cmdlet.
- ☐ Run the Set-AutodiscoverVirtualDirectory cmdlet.

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Question 5

Your network contains an Active Directory forest. The forest contains two domains named litware.com and exchange.litware.com and a Microsoft Exchange Server 2019 organization.

The relevant servers are configured as shown in the following table.

Name	Operating system	Domain	Platform	Configuration
Server01	Windows Server 2019	Exchange.litware.com	Physical	Domain controller
Server02	Windows Server 2019	Litware.com	Physical	Member server
Server03	Windows Server 2016	Exchange.litware.com	Physical	Member server
Server04	Windows Server 2019	Exchange.litware.com	Virtual	Member server
EX01	Windows Server 2019	Exchange.litware.com	Physical	Member server
EX02	Windows Server 2019	Exchange.litware.com	Physical	Member server

EX01 and EX02 have Exchange Server 2019 installed and are in a database availability group (DAG) named DAG01.

You need to add in additional server to DAG01.

Which server should you add?

- ☐ Server01
- ☐ Server02
- ☐ Server03
- ☒ Server04

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Question 6

Your company has offices in Montreal and Seattle. Each office has 2,000 users.

You are designing a Microsoft Exchange Server 2019 organization that will span both offices.

You need to recommend a high-availability solution for mailbox databases. The solution must ensure that high availability is maintained if a single site fails.

Which recommendation best meets the requirements? More than one answer choice may achieve the goal.

- ☐ Deploy one database availability group (DAG) that has one node in each office
- ☐ Deploy a Mailbox server to a Hyper-V host and use Hyper-V replication
- ☐ In each office, deploy one database availability group (DAG) that has two nodes
- ☒ Deploy one database availability group (DAG) that has two nodes in each office

Question 7

You are deploying a new Microsoft Exchange Server 2019 organization.

You plan to create a database availability group (DAG) that will contain four Mailbox servers and a witness server named FS01. FS01 is a file server.

You attempt to provision the DAG by running the following command.

New-DatabaseAvailabilityGroup –Name DAG1-WitnessServer FS01
–WitnessDirectory C: \DAG1
–DatabaseAvailabilityGroupIPAddresses 10.0.0.10

The command fails.

You need to ensure that you can provision the DAG.

What should you do?

- ☐ Run the Set-DatabaseAvailabilityGroup –AutoDagTotalNumberOfServers 5 command.
- ☐ Add the Server Management group in Active Directory to the local Administrators group on FS01.
- ☐ Run the Set-DatabaseAvailabilityGroup –AutoDagAutoReseedEnabled $false command.
- ☒ Add the Exchange Trusted Subsystem group in Active Directory to the local Administrators group on FS01.

Explanation:

Reference:

https://docs.microsoft.com/en-us/powershell/module/exchange/database-availability-groups/new-databaseavailabilitygroup?view=exchange-ps

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Question 8

You have a Microsoft Exchange Server 2019 database availability group (DAG) named DAG1. DAG1 contains a Mailbox server named EX01.

EX01 fails and must be replaced.

You plan to recover EX01 to a new server.

You deploy Windows Server 2019 to a new server that has identical hardware as EX01.

You need to restore EX01 to the new server.

What should you do before you restore EX01?

- ☐ Join EX01 to the domain.
- ☒ Reset the computer account of EX01.
- ☐ Create a new computer account for EX01.
- ☐ Rename the computer account of EX01.
- ☐ Register a service principal name (SPN).

Explanation:

Explanation:

Before you restore EX01 to the new server you must reset the computer account for EX01 and then join it to the domain.

References:

https://docs.microsoft.com/en-us/exchange/high-availability/disaster-recovery/recover-exchange-servers?view=exchserver-2019

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Question 9

HOTSPOT

Your network contains the subnets shown in the following table.

Office	Subnet
London	172.16.0.0/16
Prague	172.17.0.0/16
Moscow	172.18.0.0/16
New York	172.19.0.0/16

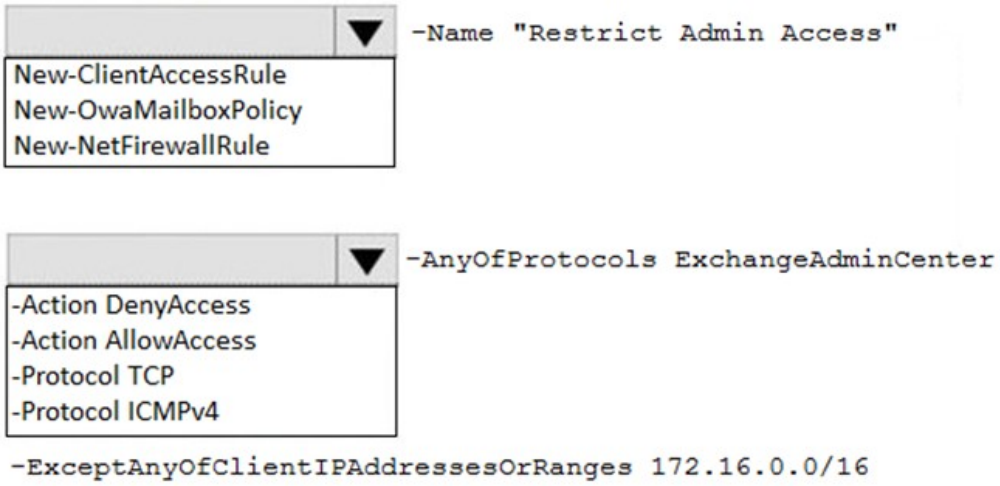
You have a Microsoft Exchange Server 2019 organization.

You need to prevent users in the London office from accessing the Exchange admin center (EAC).

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

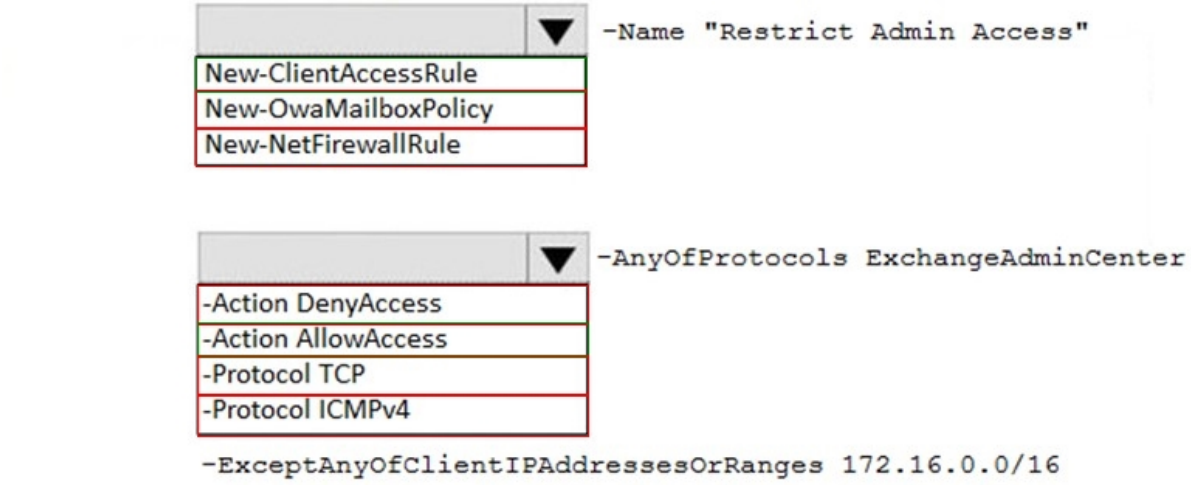
Answer Area



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Solution:

Answer Area



Explanation:

References:

https://docs.microsoft.com/en-us/powershell/module/exchange/client-access/new-clientaccessrule?view=exchange-ps

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Question 10

You have a Microsoft Exchange Server 2019 organization.

You have a database availability group (DAG) that contains the members and databases shown in the following table.

DAG member	Database
EX01	Mail1 (active), Mail2, Mail3
EX02	Mail2 (active), Mail3, Mail4
EX03	Mail3 (active), Mail4, Mail5
EX04	Mail4 (active), Mail5, Mail1

EX01 fails and cannot be repaired within an acceptable timeframe.

You plan to replace EX01 with a new DAG member named EX05. EX05 will host the same databases as EX01.

What should you do first?

- ☐ Reseed Mail1 on EX02.
- ☐ Remove EX01 from the DAG.
- ☐ Suspend the replication of Mail1, Mail2, and Mail3 on EX01.
- ☒ Remove Mail1, Mail2, and Mail3 from EX01.

Question 11

You are deploying Microsoft Exchange Server 2019 to two data centers in Paris and London. The Paris data center contains a file server named PAR-FILE01 and three Mailbox servers named PAR-MBX01, PAR-MBX02 and PAR-MBX03. The London data center contains a file server named LON-FILE01 and three Mailbox servers named LON-MBX01, LON-MBX02, and LON-MBX03.

You create a database availability group (DAG) that contains all six Mailbox servers and has PAR-FILE01 as a primary witness.

You need to set LON-FILE01 as the alternate witness.

Which cmdlet should you run?

- ☐ New-DatabaseAvailabilityGroupNetwork
- ☐ Set-MailboxDatabaseCopy
- ☐ Set-DatabaseAvailabilityGroupNetwork
- ☒ Set-DatabaseAvailabilityGroup
- ☐ Add-DatabaseAvailabilityGroupServer

Explanation:

References:

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https://docs.microsoft.com/en-us/powershell/module/exchange/database-availability-groups/set-databaseavailabilitygroup?view=exchange-ps

Question 12

Your company has a main office and 20 remote offices.

The network contains an Active Directory forest. The forest contains domain controllers that run Windows Server 2012 R2. The forest functional level is Windows Server 2008 R2.

The company has a Microsoft Exchange Server organization. Most servers have Exchange Server 2013 installed. Three servers in the remote offices have Exchange Server 2010 installed.

One quarter of users have voicemail provided by Unified Messaging (UM).

You need to deploy an Exchange Server 2019 database availability group (DAG) to the main office.

Which two actions should you perform to prepare the organization for the DAG deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- ☐ Disable UM for all the users.
- ☐ Upgrade all the domain controllers to Windows Server 2019.
- ☐ Create a new Active Directory site for the main office.
- ☒ Raise the forest functional level to Windows Server 2012 R2.
- ☒ Upgrade the remaining Exchange Server 2010 servers to Exchange Server 2013.

Explanation:

Reference:

https://docs.microsoft.com/en-us/Exchange/plan-and-deploy/system-requirements?view=exchserver-2019

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Question 13

You are deploying Microsoft Exchange Server 2019 to two data centers.

You need to protect all mailbox content against database corruption. The solution must minimize the recovery time objective (RTO) and the recovery point objective (RPO).

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

- ☐ a recovery database
- ☒ a lagged database copy
- ☐ PST files
- ☐ a dial tone restore

Question 14

You have a Microsoft Exchange Server 2019 organization.

You perform a Server Core installation of Windows Server 2019 on a server named EX05.

You need to deploy Exchange Server 2019 to EX05.

Which two components should you install before you can install Exchange Server 2019 on EX05? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- ☒ Visual C++ Redistributable package for Microsoft Visual Studio 2013
- ☐ Microsoft Office Filter Pack
- ☐ Microsoft Report Viewer 2015 Runtime
- ☐ Windows Identity Foundation
- ☒ Unified Communications Managed API 4.0 Runtime

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/plan-and-deploy/prerequisites?view=exchserver-2019

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Case Study (2 questions)

Case Study
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other question on this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next sections of the exam. After you begin a new section, you cannot return to this section.

To start the case study
To display the first question on this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.
General Overview

Litware, Inc. is an international manufacturing company that has 3,000 employees. The company has sales, marketing, research, and human resources (HR) departments. The company is subject to regulatory compliance.

Physical Locations

Litware has a main office in New York and two branch offices in London and Paris.

All offices connect to each other by using a WAN link. The offices can only communicate with each other by using a point-to-point connection. Each office also connects directly to the Internet.

Active Directory

The network contains an Active Directory forest named litware.com. The forest contains a single domain. All domain controllers run Windows Server 2019.

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

Microsoft Exchange Server

Litware recently upgraded its entire messaging organization from Exchange Server 2013 to Exchange Server 2019. The organization now contains the servers shown in the following table.

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Name	Location	Exchange version
EX01	Paris	2019
EX02	London	2019
EX03	New York	2019
EX04	New York	2019
EX05	London	2019
EX06	London	2019
EX07	London	2016

No changes were made to the organization's configuration during the transition from Exchange Server 2013 and 2019.

The organization has a database availability group (DAG) that has the following configurations.

```
Name                                    : DAG15
Servers                                 : {EX03, EX04, EX05, EX06}
WitnessServer                           : ex01.litware.com
WitnessDirectory                        : C:\DAG15
AlternateWitnessServer                  : ex02.litware.com
AlternateWitnessDirectory               : C:\DAGFSW\DAG15.litware.com
ManualDagNetworkConfiguration           : False
DatacenterActivationMode                : Off
StoppedMailboxServers                   : {}
StartedMailboxServers                   : {}
DatabaseAvailabilityGroupIpv4Addresses : {192.168.1.116, 192.168.2.215}
DatabaseAvailabilityGroupIpAddresses    : {192.168.1.116, 192.168.2.215}
AllowCrossSiteRpcClientAccess           : False
OperationalServers                      : {EX03, EX04, EX05, EX06}
PrimaryActiveManager                    : EX03
ServersInMaintenance                    : {}
ServersInDeferredRecovery               : {}
NetworkNames                            : {MapiDagNetwork, ReplDagNetwork}
WitnessShareInUse                       : Primary
```

Litware standardizes mobile device access by using the iOS platform, the native Apple mail client, and Exchange ActiveSync.

The Exchange organization has the following Send connectors.

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```
Identity                  : fabrikam.com
Name                      : fabrikam.com
AddressSpace              : {SMTP: fabrikam.com;100}
SourceTransportServers    : {EX01}
IsScopedConnector         : True
IsSmtpConnector           : True
Enabled                   : True

Identity                  : Internet
Name                      : Internet
AddressSpace              : {SMTP| *;1}
SourceTransportServers    : {EX02, EX03}
IsScopedConnector         : False
IsSmtpConnector           : True
Enabled                   : True
```

Business Model

User accounts must be deleted from Active Directory the day after a user's final date of employment.

Business Goals

As often as possible, Litware plans to minimize the legal fees associated with reviewing eDiscovery requests by purging data as quickly as possible.

Planned Changes

Litware plans to implement the following changes to the network.

Use Messaging Records Management (MRM) to archive all mailbox items that are older than one year.
The company announces a new partnership with another company named Fabrikam, Inc. Fabrikam also uses Exchange for email messaging. All the Litware users in the Paris office will be required to receive email by using a fabrikam.com email address and must have this email address applied automatically to their mailbox.
Technical Requirements

Litware identifies the following technical requirements for the messaging environment:

Mobile devices must only sync items from the last 30 days.
All user data must be wiped from a device reported as lost or stolen.
Email items in a folder named Audits must be archived after 30 days.
Users in the sales department must never have the items in their Notes folder archived.
Whenever possible, email messages sent outside the organization must be routed through the Internet connection of the local office.
If a WAN link fails, the high-availability architecture of the messaging environment must give preference to the WAN link in the New York office.
Problem statement

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A user named User2 reports that their mobile device was stolen.

Question 15

You need to restore mailbox access for the main office users as quickly as possible.

What should you do?

- ☐ Create a recovery database on another Exchange server, and then restore the database from EX07 to the recovery database.
- ☐ On a server in DAG15, create a copy of the mailbox databases hosted on EX07.
- ☐ Copy the database files from EX07, and then mount the database on a server in DAG15.
- ☒ On a new server, run setup.exe /Mode:RecoverServer from the Exchange Server 2019 installation media and then restore a backup of the database.

Question 16

You need to ensure that all the users in the Exchange organization can correct to their mailbox by using MAPI over HTTP.

Which two cmdlets should you run? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- ☒ Set-MapiVirtualDirectory
- ☐ Set-ECPVirtualDirectory
- ☐ Set-OutlookAnywhere
- ☐ Set-CasMailbox
- ☒ Set-OrganizationConfig

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/clients/mapi-over-http/configure-mapi-over-http?view=exchserver-2019

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Case Study (3 questions)

Case Study
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Overview

Contoso, Ltd is a company that has retail stores throughout Europe and North America. Contoso has 5,000 employees worldwide.

Contoso has a main office in London. The company has 10 branch offices. In each office, there are 50 managers. There are 100 retail stores in Europe and North America. Each retail store has between five and 20 employees.

Network Infrastructure

Contoso has a data center in each office. All the offices connect to each other by using redundant WAN links. Each office has a high-speed connection to the Internet.

The network contains an Active Directory forest named contoso.com.

All users sign in to their computer by using an Active Directory user account.

Each office contains at least two domain controllers from the contoso.com domain. Each office is configured as an Active Directory site. Each branch office has one site link to the main office.

Planned Changes

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Contoso has a legacy mail application. The company plans to replace the application with a Microsoft Exchange Server 2019 organization.

In Exchange Server 2019, all recipients will have an email address that uses a format of username@contoso.com.

Technical Requirements

Contoso has the following technical requirements:

All mailboxes must be protected by storing one copy in a branch office and another copy in the main office. For the mailboxes in the London office, a copy must be created in a branch office in Birmingham.
All email sent to external recipients must be delivered by using a local connection to the Internet. If the local connection becomes unavailable, the Internet connection in the main office must be used.
All users will connect to their mailbox by using Microsoft Outlook 2019. All client connections must be established to a namespace of mail.contoso.com.
All client connections must be established to a server in the local office, unless that server becomes unavailable.
The mailboxes of managers must be backed up twice daily. All other mailboxes must be backed up once weekly.
All email sent between the users in different offices must be routed through the main office.
Whenever possible, administrative effort must be minimized.
Whenever possible, costs must be minimized.
Disaster Recovery Requirements

Contoso has the following disaster recovery requirements:

All users must be redirected automatically to another Mailbox server if a single Mailbox server fails.
All users must be redirected automatically to another Mailbox server if a single Exchange service fails.
Users who connect to their mailbox by using an Android device must be prevented from using the Outlook app.
Users who connect to their mailbox by using an iOS device must be prevented from using the Outlook app.
Users who connect to their mailbox by using a Windows 10 tablet must be able to use the Outlook app.

Question 17

You need to recommend a deployment plan that meets the technical requirements for the mailbox databases.

What should you include in the recommendation?

☐ Deploy one Exchange server to the main office and two Exchange servers to each branch office. Create one mailbox database on each server.

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☐ Deploy 10 Exchange servers to the main office and one Exchange server to each branch office. Create two mailbox databases on each server.
☐ Deploy 11 Exchange servers to the main office and one Exchange server to each branch office. Create one mailbox database on each server.
☒ Deploy one Exchange server to each office. Create two mailbox databases on each server. Create copies of the databases on another server.

Question 18

You need to recommend a load balancing solution for the client connections that must be created to meet the disaster recovery requirements.

What should you recommend?

☒ Deploy a Layer 7 load balancing solution.
☐ Deploy a Layer 4 load balancing solution.
☐ Implement Network Load Balancing (NLB) on each Exchange server.
☐ Implement DNS load balancing for all the Exchange-related DNS records and implement round robin for DNS name resolution.

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/architecture/client-access/load-balancing?view=exchserver-2019

Question 19

You need to recommend a solution to meet the technical requirements for the managers.

What should you recommend creating for the mailboxes of the managers?

☐ a separate Exchange server
☒ a separate mailbox database
☐ an audit policy
☐ a transport agent

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Manage Mail Flow Topology

(22 questions)

Question 20

You have a Microsoft Exchange Server 2019 organization that contains an Edge Transport server named Edge01. Edge01 has 50 transport rules.

You deploy a new Edge Transport server named Edge02.

You need to ensure that Edge01 and Edge02 have the same transport rules.

What should you do?

- ☐ Run the Set-TransportConfig cmdlet
- ☐ Export the Edge Subscription from Edge01 and import the Edge Subscription to Edge 02
- ☐ Create a new subscription for Edge02
- ☒ Run the ExportEdgeConfig.ps1 and ImportEdgeConfig.ps1 PowerShell scripts

Question 21

You have a Microsoft Exchange Server 2019 organization.

A user reports that several email messages were not received. You suspect that the messages were filtered by the Exchange servers.

You need to review the filter that removed the messages.

Which cmdlet should you run?

- ☐ Get-MpThreatDetection
- ☒ Get-AntiSpamFilteringReport.ps1
- ☐ Export-MailboxDiagnosticLogs
- ☐ Get-MailDetailSpamReport

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Question 22

You have a Microsoft Exchange Server 2019 Mailbox server named EX01.

You run the command as shown in the following exhibit.

```
PS C:\> Get-TransportService EX01 | fl "tracking"

MessageTrackingLogEnabled                    : True
MessageTrackingLogMaxAge                     : 00:00:00
MessageTrackingLogMaxDirectorySize           : 1000 MB (1,048, 576, 000 bytes)
MessageTrackingLogMaxFileSize                : 10 MB (10, 485, 760 bytes)
MessageTrackingLogPath                       : E:\Logs\MessageTracking
MessageTrackingLogSubjectLoggingEnabled      : True
```

What is the effect of the configuration?

- ☐ The message tracking log files will be retained for 30 days, and then they will be purged.
- ☐ The message tracking log files will be purged immediately.
- ☒ The message tracking log files will be retained until the directory size limit is exceeded.
- ☐ The message tracking log files will be retailed for 365 days, and then they will be purged.

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/transport-logs/configure-message-tracking?view=exchserver-2019

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Question 23

Your network contains an Active Directory domain named contoso.com.

You have a Microsoft Exchange Server 2019 organization for contoso.com that has two Internet-facing servers named EX01 and EX02.

In the public DNS zone, you have two MX records for contoso.com.

You discover that all email sent to the organization is delivered to EX01. However, when EX01 is down for maintenance, email messages are delivered successfully to EX02.

You need to ensure that email is delivered to both EX01 and EX02 during normal operations.

What should you modify?

- ☒ the priority of the MX records
- ☐ the properties of the Receive connector on EX01
- ☐ the properties of the Receive connector on EX02
- ☐ the weight of the MX records

Question 24

You have a Microsoft 365 subscription for a company named Fabrikam,Inc. The company uses an Exchange Online tenant that has an email domain named fabirkam.com.

Fabrikam works with a partner company Contoso, Ltd. that uses an email domain named contoso.com.

A new security policy at Contoso states that any email sent from partners to Contoso employees must use TLS encryption.

You need to ensure that email sent from Fabrikam to Contoso uses TLS.

What should you create in the tenant?

- ☒ a new connector that specifies the contoso.com SMTP domain
- ☐ a remote domain named contoso.com
- ☐ a new connector that specifies the fabrikam.com SMTP domain
- ☐ a remote domain named fabrikam.com

Explanation:

Explanation:

Configure a Send connector in Fabrikam to point to Contoso.

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Question 25

You plan to deploy a Microsoft Exchange Server 2019 organization that will contain the servers shown in the following table.

Name	Active Directory site
EX01	Site1
EX02	Site2
EX03	Site2

The sites connect to each other by using a high-cost, slow WAN link. Each site also connects directly to the Internet.

You need to ensure that outgoing email to the Internet always uses a server in the local site.

What should you create?

- ☐ one Send connector that uses two smart hosts
- ☐ two Send connectors that use different smart hosts
- ☒ two scoped Send connectors that have the same namespace
- ☐ two Send connectors that have different namespaces

Question 26

Your company has offices in New York and Los Angeles. Each office has a Mailbox server.

The company has a Microsoft Exchange Server 2019 hybrid deployment that uses a namespace of litware.com.

Currently, all email messages received from the Internet are routed from Exchange Online to the New York office.

You need to ensure that messages sent to users in the Los Angeles office are routed from Exchange Online directly to the local Mailbox server in the Los Angeles office.

What should you create in Exchange Online?

- ☐ a remote domain and a client access rule.
- ☐ a connector and a remote domain
- ☒ a connector and a mail flow rule
- ☐ an email address policy and a client access rule

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Question 27

Your company named Contoso, Ltd. has a Microsoft Exchange Online subscription.

You have several transport rules. The rules automatically apply a disclaimer to email messages that contain certain keywords in the subject and are sent to recipients in an email domain named fabrikam.com.

You receive a report that some messages are delivered without the disclaimer.

You need to view which transport rules were applied to messages sent to the fabrikam.com recipients.

What should you use?

- ☐ a URL trace
- ☒ a message trace
- ☐ the SMTP protocol logs
- ☐ the transport server logs

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/monitoring/trace-an-email-message/run-a-message-trace-and-view-results

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Question 28

DRAG DROP

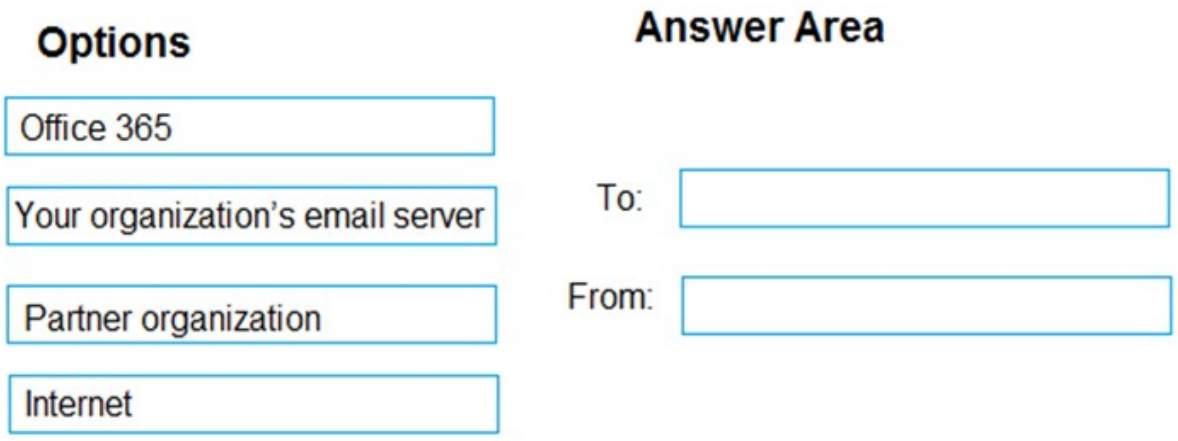
Your company has a Microsoft Exchange Online subscription for an email domain named contoso.com.

The company works with a partner company that uses an email domain named tailspintoys.com.

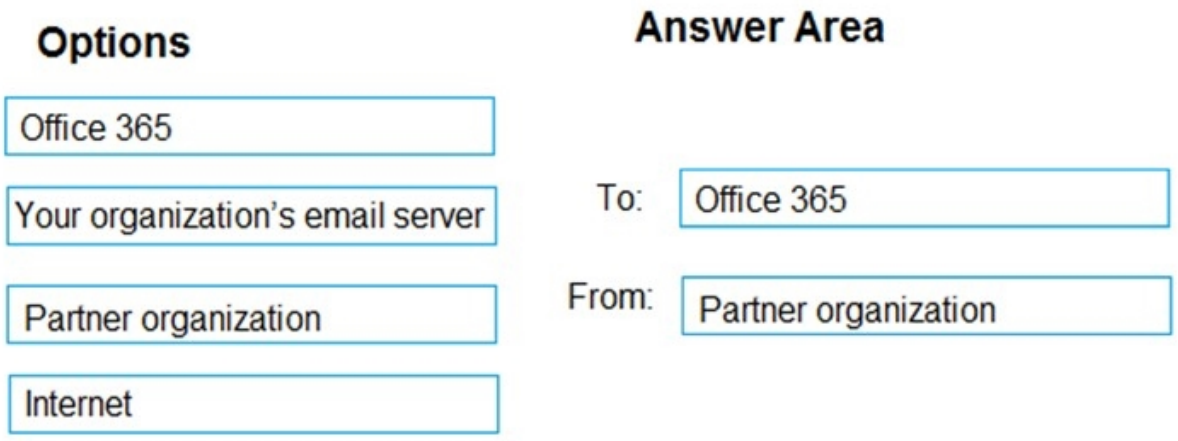
You need to configure the environment only to accept email from tailspintoys.com if the email is sent from an IP address of 131.107.12.85.

How should you configure the connector from the Exchange admin center? To answer, drag the appropriate options to the correct message settings. Each option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Solution:



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Question 29

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has a Microsoft Exchange Server 2019 server named EX01. EX01 has the default Receive connectors. EX01 receives Internet email on port 25 from an appliance in the company's perimeter network.

The company has an application named App1 that can only send email on port 25. The application administrator requests that you enable App1 to route email through EX01 for delivery.

You need to ensure that EX01 only accepts email from the appliance and App1.

Solution: You create a second IP address for EX01. You create a new Receive connector named App1 EX01. You configure the remote IP address ranges and the local IP address bindings of App1 EX01.

Does this meet the goal?

- ☒ Yes
- ☐ No

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/connectors/receive-connectors?view=exchserver-2019

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Question 30

Your network contains an Active Directory forest. The forest contains two Active Directory sites named Site1 and Site2.

You have a Microsoft Exchange Server 2019 organization that contains a database availability group (DAG) named DAG1. DAG1 has three member servers in each site.

You need to prevent users from Site1 from sending email messages larger than 5 MB to the mailboxes in Site2.

What should you do?

- ☐ Modify the properties of the Active Directory site link.
- ☒ From Site1, create a custom Send connector, and then modify the address space.
- ☐ From Site2, create a custom Receive connector, and then modify the remote IP address range.
- ☐ Modify the properties of DAG1.

Question 31

You have a Microsoft Exchange Online subscription for an email domain named contoso.com.

A partner company has an Exchange Online subscription for an email domain named fabrikam.com.

You need to prevent out-of-office messages sent by users in contoso.com from being sent to users in fabrikam.com.

What is the best way to achieve the goal from the Exchange admin center? More than one answer choice may achieve the goal.

- ☒ Create a remote domain
- ☐ Create a mail flow rule
- ☐ Create an accepted domain
- ☐ Create a connector

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Question 32

You have a Microsoft Exchange Server 2019 organization.

Ten days ago, a user named User1 sent an email message to a user named User2.

User2 never received the message.

You need to identify whether the message was delivered to User2.

What should you run from Exchange Management Shell?

- ☐ Get-MessageTraceDetail
- ☐ Search-MessageTrackingReport
- ☒ Get-MessageTrackingReport
- ☐ Get-MessageTrace

Explanation:

References:

https://docs.microsoft.com/en-us/powershell/module/exchange/mail-flow/get-messagetrackingreport?view=exchange-ps

Question 33

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Your company has a Microsoft Exchange Server 2019 server named EX01. EX01 has the default Receive connectors. EX01 receives Internet email on port 25 from an appliance in the company's perimeter network.

The company has an application named App1 that can only send email on port 25. The application administrator requests that you enable App1 to route email through EX01 for delivery.

You need to ensure that EX01 only accepts email from the appliance and App1.

Solution: You create a new remote domain and set the domain name to App1. You create a new delivery agent connector and set the IsScopedConnector property to $true.

Does this meet the goal?

- ☐ Yes
- ☒ No

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Question 34

You have a Microsoft Exchange Server organization.

You configure an Exchange server named EX1 to deliver email messages for an application named App1. App1 sends messages in large bursts overnight by using a client frontend Receive connector on EX1.

You discover that it takes a long time to deliver the messages.

You need to reduce how long it takes to deliver the messages.

Which value should you configure on the Receive connector?

- ☐ maximum inbound connections
- ☒ message rate limit
- ☐ connection time out
- ☐ tarpit interval

Question 35

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After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has two offices.

The network contains an Active Directory forest. The forest contains two domains. Each office is configured as an Active Directory site.

You need to recommend a plan for the deployment of Microsoft Exchange Server 2019 servers. The plan must ensure that a copy of each sent email message is always retained in a shadow queue.

Solution: Deploy two standalone Exchange servers. Each server will be in a different site. Both servers will be in the same domain.

Does this meet the goal?

- ☐ Yes
- ☒ No

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/transport-high-availability/shadow-redundancy?view=exchserver-2019

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Question 36

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The network contains an Active Directory forest. The forest contains two domains. Each office is configured as an Active Directory site.

You need to recommend a plan for the deployment of Microsoft Exchange Server 2019 servers. The plan must ensure that a copy of each sent email message is always retained in a shadow queue.

Solution: You recommend deploying a standalone server to each site. Each server will be in a different domain.

Does this meet the goal?

- ☐ Yes
- ☒ No

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/transport-high-availability/shadow-redundancy?view=exchserver-2019

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Question 37

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The network contains an Active Directory forest. The forest contains two domains. Each office is configured as an Active Directory site.

You need to recommend a plan for the deployment of Microsoft Exchange Server 2019 servers. The plan must ensure that a copy of each sent email message is always retained in a shadow queue.

Solution: You recommend deploying a database availability group (DAG) that will contain two Exchange servers. Each server will be in a different site. Both servers will be in the same domain.

Does this meet the goal?

- ☒ Yes
- ☐ No

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/transport-high-availability/shadow-redundancy?view=exchserver-2019

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Question 38

HOTSPOT

You have a Microsoft Exchange Server 2019 organization.

Active Directory contains the site links shown in the following table.

Site link	Site	Site link cost	Exchange cost
Site1-Site2	Site1 and Site2	10	15
Site1-Site3	Site1 and Site3	25	$null
Site2-Site3	Site2 and Site3	10	$null
Site1-Site4	Site1 and Site4	10	$null

Site1 is configured as a hub site.

You have the Mailbox servers shown in the following table.

Name	Database	Active Directory site membership
EX01	Mail1	Site1
EX02	Mail2	Site2
EX03	Mail3	Site3
EX04	Mail4	Site4

On the Mailbox servers, you have the mailboxes shown in the following table.

Name	Database
User1	Mail1
User2	Mail2
User3	Mail3
User4	Mail4

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
When User1 sends an email message to User2, the next hop will be from EX01 to EX02.	○	○
When User2 sends an email message to User3, the next hop will be from EX02 to EX03.	○	○
When User4 sends an email message to User2, the next hop will be from EX04 to EX02.	○	○

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Solution:

Statements	Yes	No
When User1 sends an email message to User2, the next hop will be from EX01 to EX02.	○	○
When User2 sends an email message to User3, the next hop will be from EX02 to EX03.	○	○
When User4 sends an email message to User2, the next hop will be from EX04 to EX02.	○	○

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/route-mail-between-active-directory-sites-exchange-2013-help

Question 39

Your company has a Microsoft Exchange Server 2019 organization that uses an address space of contoso.com.

A messaging administrator from a partner company informs you that email messages are being rejected by the Exchange organization.

You need to view SMTP communications between the partner company and the mailbox server of your company.

Which folder should you review?

- ☐ %ExchangeInstallPath%TransportRoles\Logs\Edge\ProtocolLog\SmtpReceive
- ☐ %ExchangeInstallPath%TransportRoles\Logs\Mailbox\ProtocolLog\SmtpReceive\Delivery
- ☐ %ExchangeInstallPath%TransportRoles\Logs\Hub\ProtocolLog\SmtpReceive
- ☒ %SystemRoot%\System32\LogFiles\SMTPSVC1
- ☐ %ExchangeInstallPath%TransportRoles\Logs\FrontEnd\ProtocolLog\SmtpReceive

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Question 40

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Your company has a Microsoft Exchange Server 2019 server named EX01. EX01 has the default Receive connectors. EX01 receives Internet email on port 25 from an appliance in the company's perimeter network.

The company has an application named App1 that can only send email on port 25. The application administrator requests that you enable App1 to route email through EX01 for delivery.

You need to ensure that EX01 only accepts email from the appliance and App1.

Solution: You modify the remote IP address ranges of the default frontend Receive connector.

Does this meet the goal?

- ☒ Yes
- ☐ No

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/connectors/receive-connectors?view=exchserver-2019

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Question 41

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Your company has a Microsoft Exchange Server 2019 server named EX01. EX01 has the default Receive connectors. EX01 receives Internet email on port 25 from an appliance in the company's perimeter network.

The company has an application named App1 that can only send email on port 25. The application administrator requests that you enable App1 to route email through EX01 for delivery.

You need to ensure that EX01 only accepts email from the appliance and App1.

Solution: You add a second IP address to EX01. You create a new linked connector named App1 EX01.

Does this meet the goal?

- ☐ Yes
- ☒ No

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/mail-routing/mail-routing?view=exchserver-2019

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Case Study (1 questions)

Case Study
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other question on this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next sections of the exam. After you begin a new section, you cannot return to this section.

To start the case study
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General Overview

Litware, Inc. is an international manufacturing company that has 3,000 employees. The company has sales, marketing, research, and human resources (HR) departments. The company is subject to regulatory compliance.

Physical Locations

Litware has a main office in New York and two branch offices in London and Paris.

All offices connect to each other by using a WAN link. The offices can only communicate with each other by using a point-to-point connection. Each office also connects directly to the Internet.

Active Directory

The network contains an Active Directory forest named litware.com. The forest contains a single domain. All domain controllers run Windows Server 2019.

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

Microsoft Exchange Server

Litware recently upgraded its entire messaging organization from Exchange Server 2013 to Exchange Server 2019. The organization now contains the servers shown in the following table.

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Name	Location	Exchange version
EX01	Paris	2019
EX02	London	2019
EX03	New York	2019
EX04	New York	2019
EX05	London	2019
EX06	London	2019
EX07	London	2016

No changes were made to the organization's configuration during the transition from Exchange Server 2013 and 2019.

The organization has a database availability group (DAG) that has the following configurations.

```
Name                                    : DAG15
Servers                                 : {EX03, EX04, EX05, EX06}
WitnessServer                           : ex01.litware.com
WitnessDirectory                        : C:\DAG15
AlternateWitnessServer                  : ex02.litware.com
AlternateWitnessDirectory               : C:\DAGFSW\DAG15.litware.com
ManualDagNetworkConfiguration           : False
DatacenterActivationMode                : Off
StoppedMailboxServers                   : {}
StartedMailboxServers                   : {}
DatabaseAvailabilityGroupIpv4Addresses : {192.168.1.116, 192.168.2.215}
DatabaseAvailabilityGroupIpAddresses    : {192.168.1.116, 192.168.2.215}
AllowCrossSiteRpcClientAccess           : False
OperationalServers                      : {EX03, EX04, EX05, EX06}
PrimaryActiveManager                    : EX03
ServersInMaintenance                    : {}
ServersInDeferredRecovery               : {}
NetworkNames                            : {MapiDagNetwork, ReplDagNetwork}
WitnessShareInUse                       : Primary
```

Litware standardizes mobile device access by using the iOS platform, the native Apple mail client, and Exchange ActiveSync.

The Exchange organization has the following Send connectors.

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```
Identity                  : fabrikam.com
Name                      : fabrikam.com
AddressSpace              : {SMTP: fabrikam.com;100}
SourceTransportServers    : {EX01}
IsScopedConnector         : True
IsSmtpConnector           : True
Enabled                   : True

Identity                  : Internet
Name                      : Internet
AddressSpace              : {SMTP| *;1}
SourceTransportServers    : {EX02, EX03}
IsScopedConnector         : False
IsSmtpConnector           : True
Enabled                   : True
```

Business Model

User accounts must be deleted from Active Directory the day after a user's final date of employment.

Business Goals

As often as possible, Litware plans to minimize the legal fees associated with reviewing eDiscovery requests by purging data as quickly as possible.

Planned Changes

Litware plans to implement the following changes to the network.

Use Messaging Records Management (MRM) to archive all mailbox items that are older than one year.
The company announces a new partnership with another company named Fabrikam, Inc. Fabrikam also uses Exchange for email messaging. All the Litware users in the Paris office will be required to receive email by using a fabrikam.com email address and must have this email address applied automatically to their mailbox.
Technical Requirements

Litware identifies the following technical requirements for the messaging environment:

Mobile devices must only sync items from the last 30 days.
All user data must be wiped from a device reported as lost or stolen.
Email items in a folder named Audits must be archived after 30 days.
Users in the sales department must never have the items in their Notes folder archived.
Whenever possible, email messages sent outside the organization must be routed through the Internet connection of the local office.
If a WAN link fails, the high-availability architecture of the messaging environment must give preference to the WAN link in the New York office.
Problem statement

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A user named User2 reports that their mobile device was stolen.

Question 42

You need to implement the required changes to the current Exchange organization for the Fabrikam partnership.

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

NOTE: Each correct selection is worth one point.

- ☐ Set up directory synchronization.
- ☐ Create a remote domain.
- ☒ Configure an email address policy.
- ☐ Configure an external relay accepted domain.
- ☒ Configure an internal relay accepted domain.

Explanation:

References:

https://docs.microsoft.com/en-us/exchange/mail-flow/accepted-domains/accepted-domains?view=exchserver-2019

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Manage Recipients and Devices

(9 questions)

Question 43

You manage a Microsoft Exchange Server 2019 organization that has 3,000 users. Each user has a company-provided mobile device that uses Exchange ActiveSync.

You discover that devices running a specific operating system version contain a bug that causes the excessive consumption of resources on the Exchange servers.

You need to prevent the devices from accessing email until the devices are updated.

Which cmdlet should you run?

- ☐ Set-ActiveSyncDeviceAutoblockThreshold
- ☐ Set-MobileDeviceMailboxPolicy
- ☒ New-ActiveSyncDeviceAccessRule
- ☐ Set-CasMailbox

Explanation:

References:

https://docs.microsoft.com/en-us/powershell/module/exchange/devices/new-activesyncdeviceaccessrule?view=exchange-ps

Question 44

You have a Microsoft Exchange Online subscription.

A user loses a mobile device.

You need to tell the user how to remove corporate data from the lost device.

What should you instruct the user to use?

- ☒ Outlook on the web
- ☐ the Exchange admin center
- ☐ the Security & Compliance admin center
- ☐ the Microsoft 365 admin center

Explanation:

References:

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https://docs.microsoft.com/en-us/exchange/clients/exchange-activesync/remote-wipe?view=exchserver-2019

Question 45

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After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a Microsoft Exchange Server 2019 organization.

You discover that several weeks ago a mailbox administrator erroneously deleted a mailbox from a mailbox database named MailDB1. The mailbox was associated to a user named User1 and an email address of user1@contoso.com.

You verify that User1 still exists in Active Directory.

You need to verify whether the mailbox can be reconnected to User1.

Solution: You run the following command.

Get-MailboxRestoreRequest –Identity "user1\MailboxRestore"

Does this meet the goal?

- ☐ Yes
- ☒ No

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Question 46

You have a Microsoft Exchange Server 2019 organization that contains four Mailbox servers.

You are decommissioning a Mailbox server named EX01.

When you attempt to remove one of the mailbox databases from EX01, you receive a warning message that the database still contains mailboxes.

You run Get-Mailbox –Server EX01 and confirm that all user mailboxes are hosted on other servers.

You need to remove the mailbox database.

What should you do first?

- ☐ Disable circular logging.
- ☒ Move the arbitration mailboxes to another server.
- ☐ Run eseutil /p.
- ☐ Stop the Microsoft Exchange Information Store service.

Question 47

You have a Microsoft Exchange Online subscription.

You need to prevent all Android devices from using Exchange ActiveSync to sync email. Other devices must be allowed to sync email by using Exchange ActiveSync.

What should you use?

- ☐ device access rules
- ☒ Exchange ActiveSync access settings
- ☐ data loss prevention (DLP) policies
- ☐ mobile device mailbox policies

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Question 48

You have a Microsoft 365 subscription.

Several users report today that they cannot access email from their mobile device. They successfully accessed their email from the same device yesterday.

You need to identify which mobile device access rule applies to the devices.

Which cmdlet should you run?

- ☐ Get-MsolDevice
- ☐ Get-ActiveSyncMailboxPolicy
- ☐ Get-ActiveSyncDeviceClass
- ☒ Get-MobileDevice

Question 49

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You discover that several weeks ago a mailbox administrator erroneously deleted a mailbox from a mailbox database named MailDB1. The mailbox was associated to a user named User1 and an email address of user1@contoso.com.

You verify that User1 still exists in Active Directory.

You need to verify whether the mailbox can be reconnected to User1.

Solution: You run the following command.

Get-MailboxDatabase | Get-MailboxStatistics | Where {$_.DisconnectReason –eq "Disabled"} | Format-Table DisplayName, Database, DisconnectDate

Does this meet the goal?

- ☒ Yes
- ☐ No

Explanation:

References:

https://docs.microsoft.com/en-us/Exchange/recipients/disconnected-mailboxes/restore-deleted-mailboxes?view=exchserver-2019

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Question 50

Your company has a Microsoft Exchange Server 2019 organization.

The company purchases five portable projectors for its sales department.

You need to enable the users in the sales department to reserve the projectors by using their calendar in Exchange.

What is the best type of recipient to use to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- ☐ a user mailbox
- ☐ a distribution group
- ☐ a shared mailbox
- ☒ a resource mailbox

Question 51

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You discover that several weeks ago a mailbox administrator erroneously deleted a mailbox from a mailbox database named MailDB1. The mailbox was associated to a user named User1 and an email address of user1@contoso.com.

You verify that User1 still exists in Active Directory.

You need to verify whether the mailbox can be reconnected to User1.

Solution: You run the following command.

$30 days – (Get-Date).AddDays(30)
Get-MailboxDatabase | Get-MailboxStatistics | Where {$_.DisconnectDate –lt $30days} | Format-Table DisplayName,Database,DisconnectDate

Does this meet the goal?

- ☐ Yes
- ☒ No

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Case Study (1 questions)

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Active Directory

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

Microsoft Exchange Server

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Name	Location	Exchange version
EX01	Paris	2019
EX02	London	2019
EX03	New York	2019
EX04	New York	2019
EX05	London	2019
EX06	London	2019
EX07	London	2016

No changes were made to the organization's configuration during the transition from Exchange Server 2013 and 2019.

The organization has a database availability group (DAG) that has the following configurations.

```
Name                                    : DAG15
Servers                                 : {EX03, EX04, EX05, EX06}
WitnessServer                           : ex01.litware.com
WitnessDirectory                        : C:\DAG15
AlternateWitnessServer                  : ex02.litware.com
AlternateWitnessDirectory               : C:\DAGFSW\DAG15.litware.com
ManualDagNetworkConfiguration           : False
DatacenterActivationMode                : Off
StoppedMailboxServers                   : {}
StartedMailboxServers                   : {}
DatabaseAvailabilityGroupIpv4Addresses : {192.168.1.116, 192.168.2.215}
DatabaseAvailabilityGroupIpAddresses    : {192.168.1.116, 192.168.2.215}
AllowCrossSiteRpcClientAccess           : False
OperationalServers                      : {EX03, EX04, EX05, EX06}
PrimaryActiveManager                    : EX03
ServersInMaintenance                    : {}
ServersInDeferredRecovery               : {}
NetworkNames                            : {MapiDagNetwork, ReplDagNetwork}
WitnessShareInUse                       : Primary
```

Litware standardizes mobile device access by using the iOS platform, the native Apple mail client, and Exchange ActiveSync.

The Exchange organization has the following Send connectors.

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```
Identity                  : fabrikam.com
Name                      : fabrikam.com
AddressSpace              : {SMTP: fabrikam.com;100}
SourceTransportServers    : {EX01}
IsScopedConnector         : True
IsSmtpConnector           : True
Enabled                   : True

Identity                  : Internet
Name                      : Internet
AddressSpace              : {SMTP| *;1}
SourceTransportServers    : {EX02, EX03}
IsScopedConnector         : False
IsSmtpConnector           : True
Enabled                   : True
```

Business Model

User accounts must be deleted from Active Directory the day after a user's final date of employment.

Business Goals

As often as possible, Litware plans to minimize the legal fees associated with reviewing eDiscovery requests by purging data as quickly as possible.

Planned Changes

Litware plans to implement the following changes to the network.

Use Messaging Records Management (MRM) to archive all mailbox items that are older than one year.
The company announces a new partnership with another company named Fabrikam, Inc. Fabrikam also uses Exchange for email messaging. All the Litware users in the Paris office will be required to receive email by using a fabrikam.com email address and must have this email address applied automatically to their mailbox.
Technical Requirements

Litware identifies the following technical requirements for the messaging environment:

Mobile devices must only sync items from the last 30 days.
All user data must be wiped from a device reported as lost or stolen.
Email items in a folder named Audits must be archived after 30 days.
Users in the sales department must never have the items in their Notes folder archived.
Whenever possible, email messages sent outside the organization must be routed through the Internet connection of the local office.
If a WAN link fails, the high-availability architecture of the messaging environment must give preference to the WAN link in the New York office.
Problem statement

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A user named User2 reports that their mobile device was stolen.

Question 52

You need to meet the technical requirements for the mobile device of User2.

Which cmdlet should you run?

- ☐ Remove-MobileDevice
- ☒ Clear-MobileDevice
- ☐ Clear-Content
- ☐ Remove-ActiveSyncDevice

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