Microsoft MS-500 Exam

Volume: 63 Questions

Topic 1, Fabrikam inc.

Overview

Fabrikam, Inc. is manufacturing company that sells products through partner retail stores. Fabrikam has 5,000 employees located in offices throughout Europe.

Existing Environment

Network Infrastructure

The network contains an Active Directory forest named fabrikam.com. Fabrikam has a hybrid Microsoft Azure Active Directory (Azure AD) environment.

The company maintains some on-premises servers for specific applications, but most end-user applications are provided by a Microsoft 365 E5 subscription.

Problem Statements

Fabrikam identifies the following issues:

. Since last Friday, the IT team has been receiving automated email messages that contain "Unhealthy Identity Synchronization Notification" in the subject line.

. Several users recently opened email attachments that contained malware. The process to remove the malware was time consuming.

Requirements

Planned Changes

Fabrikam plans to implement the following changes:

. Fabrikam plans to monitor and investigate suspicious sign-ins to Active Directory

. Fabrikam plans to provide partners with access to some of the data stored in Microsoft 365 Application Administration

Fabrikam identifies the following application requirements for managing workload applications:

. User administrators will work from different countries

. User administrators will use the Azure Active Directory admin center

. Two new administrators named Admin1 and Admin2 will be responsible for managing Microsoft Exchange Online only

Security Requirements

Fabrikam identifies the following security requirements:

. Access to the Azure Active Directory admin center by the user administrators must be reviewed every seven days. If an administrator fails to respond to an access request within three days, access must be removed

. Users who manage Microsoft 365 workloads must only be allowed to perform administrative tasks for up to three hours at a time. Global administrators must be exempt from this requirement

. Users must be prevented from inviting external users to view company data. Only global administrators and a user named User1 must be able to send invitations

. Azure Advanced Threat Protection (ATP) must capture security group modifications for sensitive groups, such as Domain Admins in Active Directory

. Workload administrators must use multi-factor authentication (MFA) when signing in from an

anonymous or an unfamiliar location
. The location of the user administrators must be audited when the administrators authenticate to Azure AD
. Email messages that include attachments containing malware must be delivered without the attachment
. The principle of least privilege must be used whenever possible

Question #:1 - (Exam Topic 1)
You need to recommend an email malware solution that meets the security requirements.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Policy to create:

ATP safe attachments ATP Safe Links Anti-spam Anti-malware	V

Option to configure:

Block Replace Dynamic Delivery Monitor Quarantine message	V

Answer:

Policy to create:

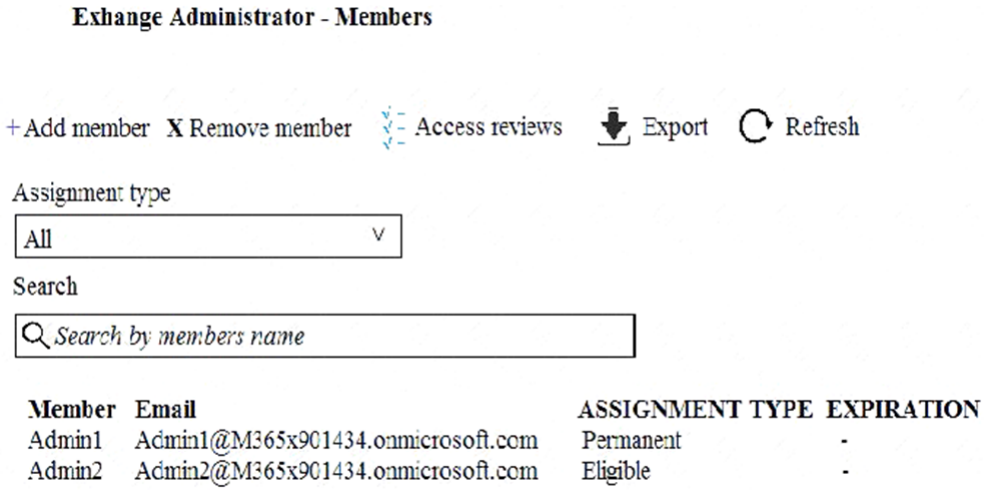
ATP safe attachments ATP Safe Links Anti-spam Anti-malware	V

Option to configure:

Block Replace Dynamic Delivery Monitor Quarantine message	V

Question #:2 - (Exam Topic 1)
An administrator configures Azure AD Privileged Identity Management as shown in the following

exhibit.
What should you do to meet the security requirements?



A. Change the Assignment Type for Admin2 to Permanent

B. From the Azure Active Directory admin center, assign the Exchange administrator role to Admin2

C. From the Azure Active Directory admin center, remove the Exchange administrator role to Admin1

D. Change the Assignment Type for Admin1 to Eligible

Answer: D

Question #:3 - (Exam Topic 1)
You need to recommend a solution for the user administrators that meets the security requirements for auditing.
Which blade should you recommend using from the Azure Active Directory admin center?

A. Sign-ins

B. Azure AD Identity Protection

C. Authentication methods

D. Access review

Answer: A

Question #:4 - (Exam Topic 1)
You plan to configure an access review to meet the security requirements for the workload administrators. You create an access review policy and specify the scope and a group.
Which other settings should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Set the frequency to:

One time	V
Weekly	
Monthly	

To ensure that access is removed if an administrator fails to respond, configure the:

Upon completion settings	V
Advanced settings	
Programs	
Reviewers	

Answer:

Set the frequency to:

One time	V
Weekly	
Monthly	

To ensure that access is removed if an administrator fails to respond, configure the:

Upon completion settings	V
Advanced settings	
Programs	
Reviewers	

Topic 2, Litware, Inc
Overview
Litware, Inc. is a financial company that has 1,000 users in its main office in Chicago and 100 users in a branch office in San Francisco.
Existing Environment
Internal Network Infrastructure
The network contains a single domain forest. The forest functional level is Windows Server 2016.
Users are subject to sign-in hour restrictions as defined in Active Directory.
The network has the IP address range shown in the following table.

Location	IP address range
Chicago office internal network	192.168.0.0/20
Chicago office perimeter network	172.16.0.0/24
Chicago office external network	131.107.83.0/28
San Francisco office internal network	192.168.16.0/20
San Francisco office perimeter network	172.16.16.0/24
San Francisco office external network	131.107.16.218/32

The offices connect by using Multiprotocol Label Switching (MPLS).
The following operating systems are used on the network:
. Windows Server 2016
. Windows 10 Enterprise
. Windows 8.1 Enterprise
The internal network contains the systems shown in the following table.

Office	Name	Configuration
Chicago	DC1	Domain controller
Chicago	DC2	Domain controller
San Francisco	DC3	Domain controller
Chicago	Server1	SIEM-server

Litware uses a third-party email system.

Cloud Infrastructure

Litware recently purchased Microsoft 365 subscription licenses for all users.
Microsoft Azure Active Directory (Azure AD) Connect is installed and uses the default authentication settings.
User accounts are not yet synced to Azure AD.
You have the Microsoft 365 users and groups shown in the following table.

Name	Object type	Description
Group 1	Security group	A group for testing Azure and Microsoft 365 functionality
User1	User	A test user who is a member of Group1
User2	User	A test user who is a member of Group1
User3	User	A test user who is a member of Group1
User4	User	An administrator
Guest1	Guest user	A guest user

Planned Changes

Litware plans to implement the following changes:
. Migrate the email system to Microsoft Exchange Online
. Implement Azure AD Privileged Identity Management

Security Requirements

Litware identities the following security requirements:
. Create a group named Group2 that will include all the Azure AD user accounts. Group2 will be used to provide limited access to Windows Analytics
. Create a group named Group3 that will be used to apply Azure Information Protection policies to pilot users. Group3 must only contain user accounts
. Use Azure Advanced Threat Protection (ATP) to detect any security threats that target the forest
. Prevent users locked out of Active Directory from signing in to Azure AD and Active Directory
. Implement a permanent eligible assignment of the Compliance administrator role for User1
. Integrate Windows Defender and Windows Defender ATP on domain-joined servers
. Prevent access to Azure resources for the guest user accounts by default

. Ensure that all domain-joined computers are registered to Azure AD

Multi-factor authentication (MFA) Requirements

Security features of Microsoft Office 365 and Azure will be tested by using pilot Azure user accounts.

You identify the following requirements for testing MFA.

. Pilot users must use MFA unless they are signing in from the internal network of the Chicago office. MFA must NOT be used on the Chicago office internal network.

. If an authentication attempt is suspicious, MFA must be used, regardless of the user location

. Any disruption of legitimate authentication attempts must be minimized

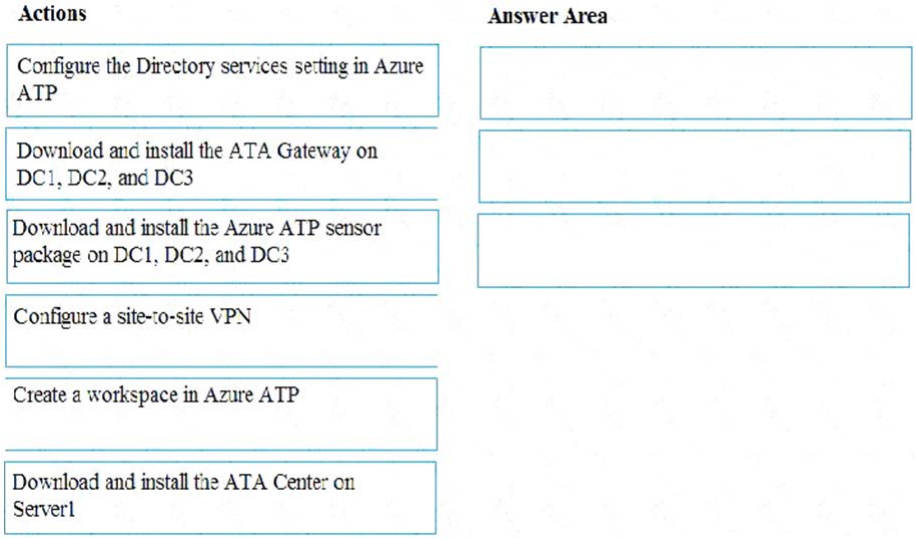
General Requirements

Litware want to minimize the deployment of additional servers and services in the Active Directory forest.

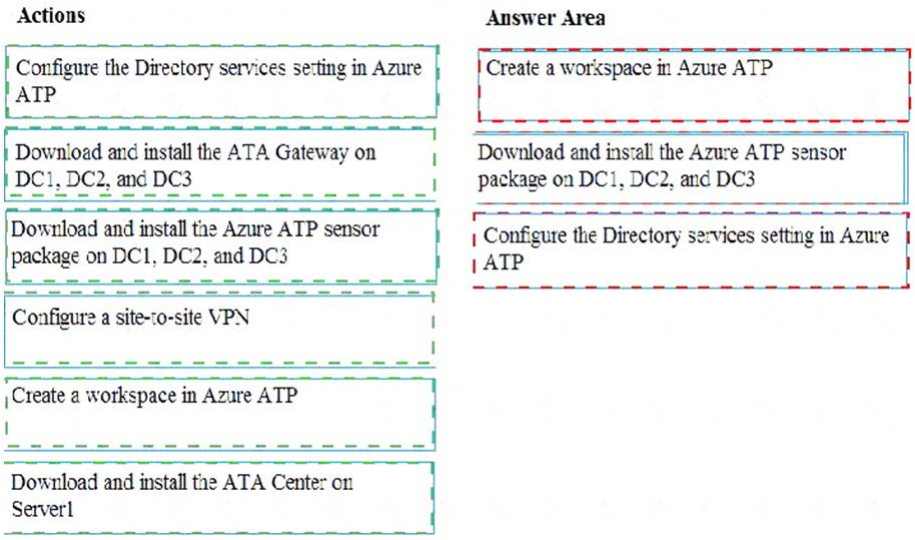
Question #:5 - (Exam Topic 2)

You need to configure threat detection for Active Directory. The solution must meet the security requirements.

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



Answer:



Question #:6 - (Exam Topic 2)
Which IP address space should you include in the MFA configuration?

A. 131.107.83.0/28

B. 192.168.16.0/20

C. 172.16.0.0/24

D. 192.168.0.0/20

Answer: B

Question #:7 - (Exam Topic 2)
You need to create Group2.
What are two possible ways to create the group?

A. an Office 365 group in the Microsoft 365 admin center

B. a mail-enabled security group in the Microsoft 365 admin center

C. a security group in the Microsoft 365 admin center

D. a distribution list in the Microsoft 365 admin center

E. a security group in the Azure AD admin center