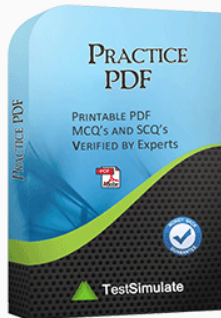


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QUESTION NO: 1

DCR1

の計画された変更を実装する必要があります。どのタイプのクエリを使用する必要がありますか？

- A. WQL
- B. T-SQL
- C. XPath
- D. KQL

Answer: D

Topic 1, A Datum Corporation

Overview

A Datum Corporation is a consulting firm that has a main office in Montreal and branch offices in Seattle and New York.

Azure Environment

A Datum has an Azure subscription that contains three resource groups named RG1, RG2, and RG3. The subscription contains the storage accounts shown in the following table.

Name	Kind	Location	Hierarchical namespace	Container	File share
storage1	StorageV2	West US	Yes	cont1	share1
storage2	StorageV2	West US	No	cont2	share2

The subscription contains the virtual machines shown in the following table.

Name	Size	Operating system	Description
VM1	A	Red Hat Enterprise Linux (RHEL)	Uses ephemeral OS disks
VM2	D	Windows Server 2022	Has a basic volume
VM3	B	Red Hat Enterprise Linux (RHEL)	Uses a standard SSDs
VM4	M	Windows Server 2022	Uses Write Accelerator disks
VM5	E	Windows Server 2022	Has a dynamic volume

The subscription has an Azure container registry that contains the images shown in the following table.

Name	Operating system
Image1	Windows Server
Image2	Linux

The subscription contains the resources shown in the following table.

Name	Description	In resource group
Workspace	Log Analytics workspace	RG1
WebApp1	Azure App Service web app	RG1
VNet1	Virtual network	RG2
zone1.com	Azure Private DNS zone	RG3

The subscription contains an Azure key vault named Vault1.
Vault1 contains the certificates shown in the following table.

Name	Content type	Key type	Key size
Cert1	PKCS #12	RSA	2048
Cert2	PKCS #12	RSA	4096
Cert3	PEM	RSA	2048
Cert4	PEM	RSA	4096

Name	Type	Description
Key1	RSA	Has a key size of 4096
Key2	EC	Has Elliptic curve name set to P-256

Vault1 contains the keys shown in the following table.

Microsoft Entra Environment

A Datum has a Microsoft Entra tenant named adatum.com that is linked to the Azure subscription and contains the users shown in the following table.

The tenant contains the groups shown in the following table.

Name	Type
Group1	Security group
Group2	Microsoft 365 group

The adatum.com tenant has a custom security attribute named Attribute1.

Planned Changes

A Datum plans to implement the following changes:

- * Configure a data collection rule (DCR) named DCR1 to collect only system events that have an event ID of 4648 from VM2 and VM4.
- * In storage1, create a new container named cont2 that has the following access policies:
 - o Three stored access policies named Stored 1, Stored2, and Stored3
 - o A legal hold for immutable blob storage
- * Whenever possible, use directories to organize storage account content.
- * Grant User1 the permissions required to link Zone1 to VNet1.

- * Assign Attribute1 to supported adatum.com resources.
- * In storage2, create an encryption scope named Scope"1.
- * Deploy new containers by using Image1 or Image2.

Technical Requirements

A Datum must meet the following technical requirements:

- * UseTLSforWebApp1.
- * Follow the principle of least privilege.
- * Grant permissions at the required scope only.
- * Ensure that Scope1 is used to encrypt storage services.
- * Use Azure Backup to back up cont1 and share1 as frequently as possible.
- * Whenever possible, use Azure Disk Encryption and a key encryption key (KEK) to encrypt the virtual machines.

QUESTION NO: 2

cont1 と share1 の技術要件を満たすように Azure Backup を構成する必要があります。
各リソースのバックアップ頻度はどのくらいに設定すればよいですか？

回答するには、回答領域で適切なオプションを選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Answer Area

cont1:

Every hour
Every 4 hours
Every 6 hours
Every 12 hours
Daily

share1:

Every hour
Every 4 hours
Every 6 hours
Every 12 hours
Daily

Answer:

Answer Area

cont1:

share1:

Explanation:

Answer Area

cont1:

share1:

QUESTION NO: 3

User1 に対して計画された変更を実装する必要があります。

User1 にはどのロールをどのリソースに割り当てる必要がありますか？

回答するには、回答領域で適切なオプションを選択します。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Answer Area

Roles:

Resources:

Answer:

Answer Area

Roles: Network Contributor and Private DNS Zone Contributor only
Contributor only
Network Contributor only
Private DNS Zone Contributor only
Network Contributor and Private DNS Zone Contributor only

Resources: VNet1 and zone1.com only
RG2 only
RG3 only
VNet1 only
zone1.com only
RG2 and RG3 only
VNet1 and zone1.com only

Explanation:

Answer Area

Roles: Network Contributor and Private DNS Zone Contributor only

Resources: VNet1 and zone1.com only

QUESTION NO: 4

スコープ 1 の計画された変更を実装します。

スコープ 1 が技術要件を満たしていることを確認する必要があります。

Scope1 を使用して何を暗号化できますか？

- A. ストレージ2内のコンテナとBLOBのみ
- B. storage1 と storage2 内のコンテナと BLOB
- C. ストレージ2 内のコンテナ、BLOB、ファイル共有のみ
- D. storage1 と storage2 内のコンテナ、BLOB、ファイル共有
- E. ストレージ2 内のコンテナ、BLOB、ファイル共有、キュー、テーブルのみ

Answer: E**QUESTION NO: 5**

新しいコンテナに対して計画された変更を実装する必要があります。

各イメージに使用できる Azure サービスはどれですか？

回答するには、回答領域で適切なオプションを選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Answer Area

Image1: ▼
Azure Container Apps only
Azure Container Instances only
Azure Container Apps or Azure Container Instances only
App Service or Azure Container Apps only
App Service or Azure Container Instances only
App Service, Azure Container Apps, or Azure Container Instances

Image2: ▼
Azure Container Apps only
Azure Container Instances only
Azure Container Apps or Azure Container Instances only
App Service or Azure Container Apps only
App Service or Azure Container Instances only
App Service, Azure Container Apps, or Azure Container Instances

Answer:**Answer Area**

Image1: ▼
Azure Container Apps only
Azure Container Instances only
Azure Container Apps or Azure Container Instances only
App Service or Azure Container Apps only
App Service or Azure Container Instances only
App Service, Azure Container Apps, or Azure Container Instances

Image2: ▼
Azure Container Apps only
Azure Container Instances only
Azure Container Apps or Azure Container Instances only
App Service or Azure Container Apps only
App Service or Azure Container Instances only
App Service, Azure Container Apps, or Azure Container Instances

Explanation:**Answer Area**

Image1: ▼

Image2: ▼

QUESTION NO: 6

cont2 に対して計画された変更を実装します。

cont2 に作成できる追加アクセス ポリシーの最大数はいくつですか？

回答するには、回答領域で適切なオプションを選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Answer Area

Stored access policies:

▼
0
1
2
3
4
5

Immutable blob storage policies:

▼
0
1
2
3
4
5

Answer:

Answer Area

Stored access policies:

▼
0
1
2
3
4
5

Immutable blob storage policies:

▼
0
1
2
3
4
5

Explanation:

Answer Area

Stored access policies: 2 ▼

Immutable blob storage policies: 0 ▼

QUESTION NO: 7

ストレージ アカウント

コンテンツに対して計画された変更を実装する必要があります。コンテンツを整理するためにどのコンテナとファイル共有を使用できますか？

- A. share1のみ
- B. cont1 と share1 のみ
- C. share1 と share2 のみ
- D. cont1、share1、share2のみ
- E. cont1、cont2、share1、share2

Answer: B**QUESTION NO: 8**

Azure Active Directory (Azure AD) Premium にサインアップします。

Azure AD ドメインに参加するすべてのコンピューターに、admin1@contoso.com という名前のユーザーを管理者として追加する必要があります。

Azure AD では何を構成する必要がありますか？

- A. MFA サーバー ブレードからのプロバイダー。
- B. ユーザー ブレードからのユーザー設定。
- C. デバイス ブレードからのデバイス設定。
- D. グループ ブレードからの一般設定。

Answer: C**QUESTION NO: 9**

仮想マシンの暗号化を設定する必要があります。ソリューションは技術要件を満たしている必要があります。

どの仮想マシンを暗号化できますか？

- A. VM1 と VM3
- B. VM2 と VM3
- C. VM2 と VM4
- D. VM4 と VM5

Answer: B**QUESTION NO: 10**

技術要件を満たすように WebApp1 を構成する必要があります。

Vault1 から使用できる証明書はどれですか？

- A. Cert1のみ
- B. Cert1 または Cert2 のみ
- C. Cert1 または Cert3 のみ
- D. Cert3 または Cert4 のみ
- E. Cert1、Cert2、Cert3、または Cert4

Answer: B

Topic 2, Contoso LtdOverview

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment

Currently, Contoso uses multiple types of servers for business operations, including the following:

File servers

Domain controllers

Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

You have a public-facing application named App1. App1 is comprised of the following three tiers:

A SQL database

A web front end

A processing middle tier

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

Requirements

Planned Changes

Contoso plans to implement the following changes to the infrastructure:

Move all the tiers of App1 to Azure.

Move the existing product blueprint files to Azure Blob storage.

Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements

Contoso must meet the following technical requirements:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

Ensure that all the virtual machines for App1 are protected by backups.

Copy the blueprint files to Azure over the Internet.

Ensure that the blueprint files are stored in the archive storage tier.

Ensure that partner access to the blueprint files is secured and temporary.

Prevent user passwords or hashes of passwords from being stored in Azure.

Use unmanaged standard storage for the hard disks of the virtual machines.

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service administrator of the Azure subscription.

Admin1 must receive email alerts regarding service outages.

Ensure that a new user named User3 can create network objects for the Azure subscription.

QUESTION NO: 11

Admin1 のユーザー要件を満たす必要があります。

何をすべきでしょうか？

A. [サブスクリプション] ブレードからサブスクリプションを選択し、[プロパティ] を変更します。

B. [サブスクリプション] ブレードからサブスクリプションを選択し、[アクセス制御 (IAM)] 設定を変更します。

C. Azure Active Directory ブレードから、プロパティを変更します。

D. Azure Active Directory ブレードからグループを変更します。

Answer: A

Explanation:

Change the Service administrator for an Azure subscription

Sign in to Account Center as the Account administrator.

Select a subscription.

On the right side, select Edit subscription details.

Scenario: Designate a new user named Admin1 as the service administrator of the Azure subscription.

References: <https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator>

QUESTION NO: 12

技術要件とユーザー要件を満たすようにデバイス設定を構成する必要があります。

どの 2 つの設定を変更する必要がありますか？

回答するには、回答領域で適切な設定を選択します。

Answer Area



Save



Discard

Users may join devices to Azure AD ⓘ

All

Selected

None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected

None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All

None

Require Multi-Factor Auth to join devices ⓘ

Yes

No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All

Selected

None

Selected

No member selected

Answer:

Answer Area



Save



Discard

Users may join devices to Azure AD ⓘ

All

Selected

None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected

None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All

None

Require Multi-Factor Auth to join devices ⓘ

Yes

No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All



Selected

None

Selected

No member selected

Explanation:

 Save  Discard

Users may join devices to Azure AD ⓘ

All Selected None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All None

Require Multi-Factor Auth to join devices ⓘ

Yes No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All Selected None

Box 1: Selected

Only selected users should be able to join devices

Box 2: Yes

Require Multi-Factor Auth to join devices.

From scenario:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD

Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

QUESTION NO: 13

ブループリント ファイルを Azure に移動する必要があります。

何をすべきでしょうか？

A. 共有アクセス署名 (SAS) を生成します。ドライブをマップし、ファイルエクスプローラーを使用してファイルをコピーします。

B. Azure Import/Export サービスを使用します。

C. アクセス キーを生成します。ドライブをマップし、ファイルエクスプローラーを使用してファイルをコピーします。

D. Azure Storage Explorer を使用してファイルをコピーします。

Answer: D

Explanation:

Azure Storage Explorer is a free tool from Microsoft that allows you to work with Azure Storage data on Windows, macOS, and Linux. You can use it to upload and download data from Azure blob storage.

Scenario:

Planned Changes include: move the existing product blueprint files to Azure Blob storage.

Technical Requirements include: Copy the blueprint files to Azure over the Internet.

References: <https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-data-to-azure-blob-using-azure-storage-explorer>

QUESTION NO: 14

Azure Resource Manager テンプレートを使用して、仮想マシン スケール セットで Windows Server 2022 を実行する複数の Azure 仮想マシンをデプロイする予定です。

仮想マシンをデプロイした後、すべての仮想マシンで NGINX

が使用可能であることを確認する必要があります。

何を使うべきでしょうか？

A. New-AzConfigurationAssignment コマンドレット

B. Azure カスタム スクリプト拡張機能

C. Azure アプリケーションインサイト

D. Publish-ArVMDscConfiguration コマンドレット

Answer: B

QUESTION NO: 15

App1 を Azure に移行することを計画しています。

ネットワーク セキュリティ グループ (NSG) を作成します。

ユーザーに App1

へのアクセスを提供するためのソリューションを推奨する必要があります。

何をお勧めしますか？

A. インターネットからのポート 443 の送信セキュリティ ルールを作成します。NSG をすべてのサブネットに関連付けます。

B. インターネットからのポート 443 の受信セキュリティ ルールを作成します。NSG をすべてのサブネットに関連付けます。

C. インターネットからのポート 443 の受信セキュリティ ルールを作成します。NSG を Web サーバーが含まれるサブネットに関連付けます。

D. インターネットからのポート 443 の送信セキュリティ ルールを作成します。NSG を Web サーバーが含まれるサブネットに関連付けます。

Answer: C

Explanation:

As App1 is public-facing we need an incoming security rule, related to the access of the web servers.

Scenario: You have a public-facing application named App1. App1 is comprised of the following three tiers: a SQL database, a web front end, and a processing middle tier. Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

QUESTION NO: 16

Job1 という名前の Azure Stream Analytics ジョブが含まれる Azure サブスクリプションがあります。

処理されなかったイベントの数を識別するには、Job1 の入力イベントを監視する必要があります。どの指標を使用すべきでしょうか？

- A. 出力イベント
- B. バックログ入力イベント
- C. 遅延入力イベント
- D. 順序が乱れたイベント

Answer: B

Explanation:

Backlogged Input Events is a metric that shows the number of input events that are waiting to be processed by the Stream Analytics job1. This metric indicates the performance and health of the job, as well as the input data rate and latency. If the Backlogged Input Events metric is high or increasing, it means that the job is not able to keep up with the incoming events and some events are not processed in a timely manner2.

Output Events is a metric that shows the number of output events that are emitted by the Stream Analytics job1. This metric indicates the output data rate and throughput of the job. It does not show how many input events were not processed by the job.

Out-of-Order Events is a metric that shows the number of input events that arrive out of order based on their timestamp1. This metric indicates the quality and consistency of the input data source. It does not show how many input events were not processed by the job.

Late Input Events is a metric that shows the number of input events that arrive after the late arrival window has expired1. This metric indicates the timeliness and reliability of the input data source. It does not show how many input events were not processed by the job.

QUESTION NO: 17

アプリケーションを移動した後、App1 のバックアップソリューションを実装する必要があります。

最初に何を作成すべきでしょうか？

- A. 回復計画
- B. Azure バックアップ サーバー
- C. バックアップポリシー
- D. Recovery Services のボールド

Answer: D

Explanation:

A Recovery Services vault is a logical container that stores the backup data for each protected resource, such as Azure VMs. When the backup job for a protected resource runs, it creates a recovery point inside the Recovery Services vault.

Scenario:

There are three application tiers, each with five virtual machines.

Move all the virtual machines for App1 to Azure.

Ensure that all the virtual machines for App1 are protected by backups.

References: <https://docs.microsoft.com/en-us/azure/backup/quick-backup-vm-portal>

QUESTION NO: 18

Contoso のストレージ要件を特定する必要があります。

次の各文について、正しい場合は「はい」を選択してください。そうでない場合は「いいえ」を選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Statements	Yes	No
Contoso requires a storage account that supports Blob storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure Table storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure File Storage.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Contoso requires a storage account that supports Blob storage.	<input checked="" type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure Table storage.	<input type="radio"/>	<input checked="" type="radio"/>
Contoso requires a storage account that supports Azure File Storage.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Statements	Yes	No
Contoso requires a storage account that supports Blob storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure Table storage.	<input type="radio"/>	<input type="radio"/>
Contoso requires a storage account that supports Azure File Storage.	<input type="radio"/>	<input type="radio"/>

Statement 1: Yes

Contoso is moving the existing product blueprint files to Azure Blob storage which will ensure that the blueprint files are stored in the archive storage tier.

Use unmanaged standard storage for the hard disks of the virtual machines. We use Page Blobs for these.

Statement 2: No

Azure Table storage stores large amounts of structured data. The service is a NoSQL datastore which accepts authenticated calls from inside and outside the Azure cloud. Azure tables are ideal for storing structured, non- relational data. Common uses of Table storage include:

1. Storing TBs of structured data capable of serving web scale applications
 2. Storing datasets that don't require complex joins, foreign keys, or stored procedures and can be denormalized for fast access
 3. Quickly querying data using a clustered index
 4. Accessing data using the OData protocol and LINQ queries with WCF Data Service .NET Libraries
- Statement 3: No File Storage can be used if your business use case needs to deal mostly with standard File extensions like *.

docx, *.png and *.bak then you should probably go with this storage option.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-data-to-azure-blob-using-azure-storage-explorer>

<https://docs.microsoft.com/en-us/azure/storage/tables/table-storage-overview>

<https://www.serverless360.com/blog/azure-blob-storage-vs-file-storage>

QUESTION NO: 19

ライセンスを再度割り当てる前に、ライセンスの問題を解決する必要があります。
何をすべきでしょうか？

- A. ディレクトリ ロール ブレードから、ディレクトリ ロールを変更します。
- B. [グループ] ブレードから、ユーザー アカウントを新しいグループに招待します。
- C. プロファイル ブレードから使用場所を変更します。

Answer: C

QUESTION NO: 20

技術要件を満たす識別ソリューションを推奨する必要があります。
何をお勧めしますか？

- A. フェデレーション シングルオン (SSO) と Active Directory フェデレーション サービス (AD FS)
- B. パスワードハッシュ同期とシングルサインオン (SSO)
- C. クラウドのみのユーザーアカウント
- D. パススルー認証とシングルサインオン (SSO)

Answer: A

Explanation:

Active Directory Federation Services is a feature and web service in the Windows Server Operating System that allows sharing of identity information outside a company's network.

Scenario: Technical Requirements include:

Prevent user passwords or hashes of passwords from being stored in Azure.

References: <https://www.sherweb.com/blog/active-directory-federation-services/>

QUESTION NO: 21

App1

のソリューションを推奨する必要があります。ソリューションは技術要件を満たす必要があります。推奨事項には何を含める必要がありますか？

回答するには、回答領域で適切なオプションを選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets:

	▼
1	
2	
3	

Answer:

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets:

	▼
1	
2	
3	

Explanation:

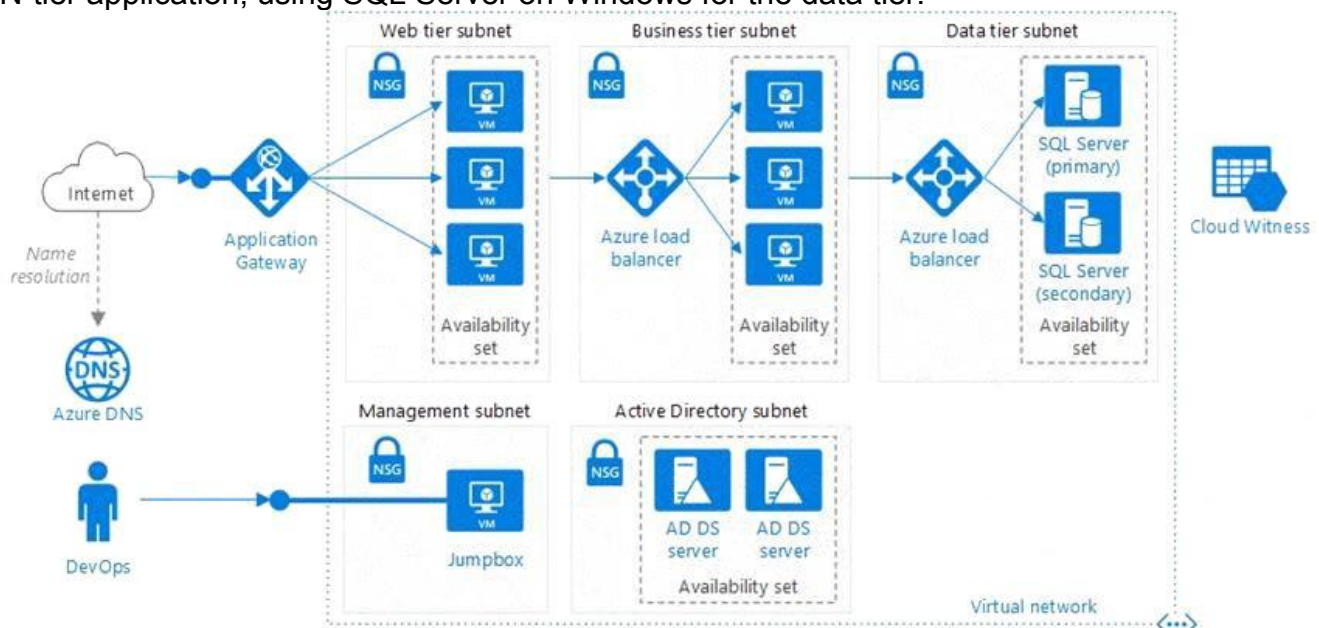
Number of virtual networks:

	▼
1	
2	
3	

Number of subnets:

	▼
1	
2	
3	

This reference architecture shows how to deploy VMs and a virtual network configured for an N-tier application, using SQL Server on Windows for the data tier.



Scenario: You have a public-facing application named App1. App1 is comprised of the following three tiers:

A SQL database

A web front end

A processing middle tier

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

Technical requirements include:

Move all the virtual machines for App1 to Azure.

Minimize the number of open ports between the App1 tiers.

References: <https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/n-tier/n-tier-sql-server>

Topic 3, Contoso Ltd (Consulting Company)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 questions in 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 section 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 in 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.

Overview

General Overview

Contoso, Ltd. is a consulting company that has a main office in Montreal and branch offices in Seattle and New York.

Environment

Existing Environment

Contoso has an Azure subscription named Sub1 that is linked to an Azure Active Directory (Azure AD) tenant. The network contains an on-premises Active Directory domain that syncs to the Azure AD tenant.

The Azure AD tenant contains the users shown in the following table.

Name	Type	Role
User1	Member	None
User2	Guest	None
User3	Member	None
User4	Member	None

Sub1 contains two resource groups named RG1 and RG2 and the virtual networks shown in the following table.

Name	Subnet	Peered with
VNET1	Subnet1, Subnet2	VNET2
VNET2	Subnet1	VNET1, VNET3
VNET3	Subnet1	VNET2
VNET4	Subnet1	None

User1 manages the resources in RG1. User4 manages the resources in RG2.

Sub1 contains virtual machines that run Windows Server 2019 as shown in the following table

Name	IP address	Location	Connected to
VM1	10.0.1.4	West US	VNET1/Subnet1
VM2	10.0.2.4	West US	VNET1/Subnet2
VM3	172.16.1.4	Central US	VNET2/Subnet1
VM4	192.168.1.4	West US	VNET3/Subnet1
VM5	10.0.22.4	East US	VNET4/Subnet1

No network security groups (NSGs) are associated to the network interfaces or the subnets. Sub1 contains the storage accounts shown in the following table.

Name	Kind	Location	File share	Identity-based access for file share
storage1	Storage (general purpose v1)	West US	sharea	Azure Active Directory Domain Services (Azure AD DS)
storage2	StorageV2 (general purpose v2)	East US	shareb, sharec	Disabled
storage3	BlobStorage	East US 2	Not applicable	Not applicable
storage4	FileStorage	Central US	shared	Azure Active Directory Domain Services (Azure AD DS)

Requirements

Planned Changes

Contoso plans to implement the following changes:

Create a blob container named container1 and a file share named share1 that will use the Cool storage tier.

Create a storage account named storage5 and configure storage replication for the Blob service.

Create an NSG named NSG1 that will have the custom inbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
500	3389	TCP	10.0.2.0/24	Any	Deny
1000	Any	ICMP	Any	VirtualNetwork	Allow

Associate NSG1 to the network interface of VM1.

Create an NSG named NSG2 that will have the custom outbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
200	3389	TCP	10.0.0.0/16	VirtualNetwork	Deny
400	Any	ICMP	10.0.2.0/24	10.0.1.0/24	Allow

Associate NSG2 to VNET1/Subnet2.

Technical Requirements

Contoso must meet the following technical requirements:

Create container1 and share1.

Use the principle of least privilege.

Create an Azure AD security group named Group4.

Back up the Azure file shares and virtual machines by using Azure Backup.

Trigger an alert if VM1 or VM2 has less than 20 GB of free space on volume C.

Enable User1 to create Azure policy definitions and User2 to assign Azure policies to RG1.

Create an internal Basic Azure Load Balancer named LB1 and connect the load balancer to VNET1/Subnet1. Enable flow logging for IP traffic from VM5 and retain the flow logs for a period of eight months.

Whenever possible, grant Group4 Azure role-based access control (Azure RBAC) read-only permissions to the Azure file shares.

QUESTION NO: 22

VM5 からの IP トラフィックのフロー ログに使用するストレージ

アカウントを特定する必要があります。ソリューションは保持要件を満たしている必要があります。

どのストレージ アカウントを識別する必要がありますか？

- A. ストレージ4
- B. ストレージ1
- C. ストレージ2
- D. ストレージ3

Answer: D

QUESTION NO: 23

User1 がイニシアチブ定義を作成でき、User4 がイニシアチブを RG2

に割り当てることができることを確認する必要があります。ソリューションは技術要件を満たしている必要があります。

各ユーザーにはどのロールを割り当てる必要がありますか？

回答するには、回答領域で適切なオプションを選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

User1:

	▼
Contributor for RG1	
Contributor for Sub1	
Security Admin for RG1	
Resource Policy Contributor for Sub1	

User4:

	▼
Contributor for RG2	
Contributor for Sub1	
Security Admin for Sub1	
Resource Policy Contributor for RG2	

Answer:

User1:

	▼
Contributor for RG1	
Contributor for Sub1	
Security Admin for RG1	
Resource Policy Contributor for Sub1	

User4:

	▼
Contributor for RG2	
Contributor for Sub1	
Security Admin for Sub1	
Resource Policy Contributor for RG2	

Explanation:

User1:

	▼
Contributor for RG1	
Contributor for Sub1	
Security Admin for RG1	
Resource Policy Contributor for Sub1	

User4:

	▼
Contributor for RG2	
Contributor for Sub1	
Security Admin for Sub1	
Resource Policy Contributor for RG2	

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/overview>**QUESTION NO: 24**

VM1 と VM2 を LB1 のバックエンド

プールに追加する必要があります。まず何をすべきでしょうか？

- A. 新しい NSG を作成し、NSG を VNET1/Subnet1 に関連付けます。
- B. VM2 を VNET1/Subnet1 に接続します。
- C. VM1 と VM2 を同じ可用性ゾーンに再デプロイします。
- D. VM1 と VM2 を同じ可用性セットに再デプロイします。

Answer: B**QUESTION NO: 25**

ストレージ5を作成する必要があります。ソリューションは計画された変更をサポートする必要があります。

どのタイプのストレージ

アカウントを使用する必要があります、どのアカウントを宛先ストレージアカウントとして構成する必要がありますか？

回答するには、回答領域で適切なオプションを選択します。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Account kind:

	▼
BlobStorage	
BlockBlobStorage	
Storage (general purpose v1)	
StorageV2 (general purpose v2)	

Destination:

	▼
Storage1	
Storage2	
Storage3	
Storage4	

Answer:

Account kind:

	▼
BlobStorage	
BlockBlobStorage	
Storage (general purpose v1)	
StorageV2 (general purpose v2)	

Destination:

	▼
Storage1	
Storage2	
Storage3	
Storage4	

Explanation:

Account kind:

BlobStorage
BlockBlobStorage
Storage (general purpose v1)
StorageV2 (general purpose v2)

Destination:

Storage1
Storage2
Storage3
Storage4

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/object-replication-configure?tabs=portal>**QUESTION NO: 26**

技術要件を満たすには、VM1 と VM2 のアラートを構成する必要があります。
どの 3 つのアクションを順番に実行する必要がありますか? 回答するには、アクション
リストからすべてのアクションを回答領域に移動し、正しい順序で並べます。

Actions

Configure the Diagnostic settings.
Collect Windows performance counters from the Log Analytics agents.
Create an alert rule.
Create an Azure SQL database.
Create a Log Analytics workspace.

Answer Area

**Answer:**

Actions

Configure the Diagnostic settings.
Collect Windows performance counters from the Log Analytics agents.
Create an alert rule.
Create an Azure SQL database.
Create a Log Analytics workspace.

Answer Area



Explanation:

Actions

Configure the Diagnostic settings.

Collect Windows performance counters from the Log Analytics agents.

Answer Area

1 Create an alert rule.

2 Create an Azure SQL database.

3 Create a Log Analytics workspace.

**QUESTION NO: 27**

container1 と share1 を作成する必要があります。

各リソースにはどのストレージ アカウントを使用する必要がありますか？

回答するには、回答領域で適切なオプションを選択してください。

注意: 正しい選択ごとに 1 ポイントが付与されます。

container1:	<div><div>▼</div><div>storage2 only</div><div>storage2 and storage3 only</div><div>storage1, storage2, and storage3 only</div><div>storage2, storage3, and storage4 only</div><div>storage1, storage2, storage3, and storage4</div></div>
share1:	<div><div>▼</div><div>storage2 only</div><div>storage4 only</div><div>storage2 and storage4 only</div><div>storage1, storage2, and storage4 only</div><div>storage1, storage2, storage3, and storage4</div></div>

Answer:

container1:	<div><div>▼</div><div>storage2 only storage2 and storage3 only storage1, storage2, and storage3 only storage2, storage3, and storage4 only storage1, storage2, storage3, and storage4</div></div>
share1:	<div><div>▼</div><div>storage2 only storage4 only storage2 and storage4 only storage1, storage2, and storage4 only storage1, storage2, storage3, and storage4</div></div>

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview>

QUESTION NO: 28

すべての Azure ファイル共有に対して Group4 Azure RBAC

読み取り専用アクセス許可を付与できることを確認する必要があります。何をすればよいでしょうか？

- A. storage1 および storage4 で、アカウントの種類を StorageV2 (汎用 v2) に変更します。
- B. storage2 を再作成し、階層型名前空間を有効に設定します。
- C. storage2 で、ファイル共有に対して ID ベースのアクセスを有効にします。
- D. storage1、storage2、storage4 の共有アクセス署名 (SAS) を作成します。

Answer: A

QUESTION NO: 29

ファイル共有と仮想マシンをバックアップするには、Azure Backup を構成する必要があります。

作成する必要がある Recovery Services コンテナーとバックアップポリシーの最小数はいくつですか？

回答するには、回答領域で適切なオプションを選択します。

注意: 正しい選択ごとに 1 ポイントが付与されます。

Answer Area

Recovery Services vaults

	▼
1	
2	
3	
4	
7	

Backup policies

	▼
1	
2	
3	
4	
5	
6	

Answer:

Answer Area

Recovery Services vaults

	▼
1	
2	
3	
4	
7	

Backup policies

	▼
1	
2	
3	
4	
5	
6	

Explanation:

Answer Area

Recovery Services vaults: 3 ▼

Backup policies: 6 ▼

<https://learn.microsoft.com/en-us/azure/backup/backup-azure-files?tabs=backup-center>

<https://learn.microsoft.com/en-us/azure/backup/backup-azure-vms-first-look-arm#back-up-from-azure-vm-settings>

Topic 4, Humongous Insurance Overview

Existing Environment

Humongous Insurance is an insurance company that has three offices in Miami, Tokyo, and Bangkok. Each has 5000 users.

Active Directory Environment

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com. The functional level of the forest is Windows Server 2012. You recently provisioned an Azure Active Directory (Azure AD) tenant.

Network Infrastructure

Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Each office has several link load balancers that provide access to the servers.

Active Directory Issue

Several users in humongousinsurance.com have UPNs that contain special characters. You suspect that some of the characters are unsupported in Azure AD.

Licensing Issue

You attempt to assign a license in Azure to several users and receive the following error message: "Licenses not assigned. License agreement failed for one user." You verify that the Azure subscription has the available licenses.

Requirements

Planned Changes

Humongous Insurance plans to open a new office in Paris. The Paris office will contain 1,000 users who will be hired during the next 12 months. All the resources used by the Paris office users will be hosted in Azure.

Planned Azure AD Infrastructure

The on-premises Active Directory domain will be synchronized to Azure AD. All client computers in the Paris office will be joined to an Azure AD domain.

Planned Azure Networking Infrastructure

You plan to create the following networking resources in a resource group named All_Resources:

Default Azure system routes that will be the only routes used to route traffic A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2 A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet A virtual network named AllOffices-VNet that will contain two subnets named Subnet3 and Subnet4 You plan to enable peering between Paris-VNet and AllOffices-VNet. You will enable the Use remote gateways setting for the Paris-VNet peerings.

You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

Planned Azure Computer Infrastructure

Each subnet will contain several virtual machines that will run either Windows Server 2012 R2, Windows Server 2016, or Red Hat Linux.

Department Requirements

Humongous Insurance identifies the following requirements for the company's departments: Web administrators will deploy Azure web apps for the marketing department. Each web app will be added to a separate resource group. The initial configuration of the web apps will be identical. The web administrators have permission to deploy web apps to resource groups. During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

Authentication Requirements

Users in the Miami office must use Azure Active Directory Seamless Single Sign-on (Azure AD Seamless SSO) when accessing resources in Azure.

QUESTION NO: 30

Azure ネットワーク

インフラストラクチャの計画された実装後に、仮想マシンの名前解決を評価しています。次の各文について、正しい場合は「はい」を選択してください。そうでない場合は「いいえ」を選択してください。

Statements	Yes	No
The virtual machines on Subnet1 will be able to resolve the hosts in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet4 will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The virtual machines on Subnet1 will be able to resolve the hosts in the humongousinsurance.local zone.	<input checked="" type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to register the hostname records in the humongousinsurance.local zone.	<input checked="" type="radio"/>	<input type="radio"/>
The virtual machines on Subnet4 will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Statements	Yes	No
The virtual machines on Subnet1 will be able to resolve the hosts in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet4 will be able to register the hostname records in the humongousinsurance.local zone.	<input type="radio"/>	<input type="radio"/>

Statement 1: Yes

All client computers in the Paris office will be joined to an Azure AD domain.

A virtual network named Paris-VNet that will contain two subnets named Subnet1 and Subnet2.

Microsoft Windows Server Active Directory domains, can resolve DNS names between virtual networks.

Automatic registration of virtual machines from a virtual network that's linked to a private zone with auto- registration enabled. Forward DNS resolution is supported across virtual networks that are linked to the private zone.

Statement 2: Yes

A virtual network named ClientResources-VNet that will contain one subnet named ClientSubnet You plan to create a private DNS zone named humongousinsurance.local and set the registration network to the ClientResources-VNet virtual network.

As this is a registration network so this will work.

Statement 3: No

Only VMs in the registration network, here the ClientResources-VNet, will be able to register hostname records. Since Subnet4 not connected to Client Resources Network thus not able to register its hostname with humongoinsurance.local Reference:

<https://docs.microsoft.com/en-us/azure/dns/private-dns-overview>

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-name-resolution-for-vms-and-role- instances>

QUESTION NO: 31

認証要件を満たす環境を準備する必要があります。

実行すべき 2 つのアクションはどれですか？

それぞれの正解は解決策の一部を示しています。

注意: 正しい選択ごとに 1 ポイントが付与されます。

A. マイアミ オフィスのドメイン コントローラーへの受信 TCP ポート 8080 を許可します。

B. 追加

<http://autogon.microsoftazuread-sso.com> をマイアミ オフィスの各クライアント コンピューターのイントラネット ゾーンに追加します。

C. マイアミ オフィスのクライアント コンピューターを Azure AD に参加させます。

D. マイアミ オフィスのドメイン コントローラーに Active Directory フェデレーション サービス (AD FS) の役割をインストールします。

E. マイアミ オフィスのサーバーに Azure AD Connect をインストールし、パススルー認証を有効にします。

Answer: B E

Explanation:

B: You can gradually roll out Seamless SSO to your users. You start by adding the following Azure AD URL to all or selected users' Intranet zone settings by using Group Policy in Active Directory: <https://autologon.microsoftazuread-sso.com>

<https://autologon.microsoftazuread-sso.com>

E: Seamless SSO works with any method of cloud authentication - Password Hash Synchronization or Pass- through Authentication, and can be enabled via Azure AD Connect.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sso-quick-start>

QUESTION NO: 32

財務部門の監査員にどのブレードを使用するように指示する必要がありますか？

- A. パートナー情報
- B. 概要
- C. 支払い方法
- D. 請求書

Answer: D

Explanation:

You can opt in and configure additional recipients to receive your Azure invoice in an email. This feature may not be available for certain subscriptions such as support offers, Enterprise Agreements, or Azure in Open.

Select your subscription from the Subscriptions page. Opt-in for each subscription you own. Click Invoices then Email my invoice.

Click Opt in and accept the terms.

Scenario: During the testing phase, auditors in the finance department must be able to review all Azure costs from the past week.

References: <https://docs.microsoft.com/en-us/azure/billing/billing-download-azure-invoice-daily-usage-date>

QUESTION NO: 33

Web 管理者が Web

アプリをできるだけ早く展開できるように環境を準備する必要があります。

どの 3 つのアクションを順番に実行する必要がありますか？ 回答するには、アクションリストから適切なアクションを回答領域に移動し、正しい順序で並べます。

Actions

Answer Area

From the Templates service, select the template, and then share the template to the web administrators.

Create a resource group, and then deploy a web app to the resource group.

From the Automation script blade of the resource group, click the **Parameters** tab.

From the Automation script blade of the resource group, click **Deploy**.

From the Automation Accounts service, add an automation account.

From the Automation script blade of the resource group, click **Add to library**.



Answer:

Actions

From the Templates service, select the template, and then share the template to the web administrators.

Create a resource group, and then deploy a web app to the resource group.

From the Automation script blade of the resource group, click the **Parameters** tab.

From the Automation script blade of the resource group, click **Deploy**.

From the Automation Accounts service, add an automation account.

From the Automation script blade of the resource group, click **Add to library**.

Answer Area

Create a resource group, and then deploy a web app to the resource group.

From the Automation script blade of the resource group, click **Add to library**.

From the Templates service, select the template, and then share the template to the web administrators.

Explanation:**Actions**

From the Automation script blade of the resource group, click **Deploy**.

From the Templates service, select the template, and then share the template to the web administrators.

From the Automation script blade of the resource group, click **Add to library**.

From the Automation Accounts service, add an automation account.

Create a resource group, and then deploy a web app to the resource group.

From the Automation script blade of the resource group, click the **Parameters** tab.

Answer Area

Create a resource group, and then deploy a web app to the resource group.

From the Automation script blade of the resource group, click **Add to library**.

From the Templates service, select the template, and then share the template to the web administrators.

Scenario:

1. Web administrators will deploy Azure web apps for the marketing department.
2. Each web app will be added to a separate resource group.
3. The initial configuration of the web apps will be identical.
4. The web administrators have permission to deploy web apps to resource groups.

Steps:

- 1 --> Create a resource group, and then deploy a web app to the resource group.
- 2 --> From the Automation script blade of the resource group , click Add to Library.
- 3 --> From the Templates service, select the template, and then share the template to the web administrators .

References:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/quickstart-create-templates-use-the-portal>

QUESTION NO: 34

認証要件を満たす環境を準備する必要があります。

実行すべき 2 つのアクションはどれですか？

それぞれの正解は解決策の一部を示しています。

注意: 正しい選択ごとに 1 ポイントが付与されます。

- A. Azure Active Directory (AD) Identity Protection と Azure ポリシー
- B. Recovery Services コンテナーとバックアップ ポリシー
- C. Azure Key Vault とアクセス ポリシー
- D. Azure ストレージ アカウントとアクセス ポリシー

Answer: C

Explanation:

D: Seamless SSO works with any method of cloud authentication - Password Hash Synchronization or Pass-through Authentication, and can be enabled via Azure AD Connect.

B: You can gradually roll out Seamless SSO to your users. You start by adding the following Azure AD URL to all or selected users' Intranet zone settings by using Group Policy in Active Directory: <https://autologon.microsoftazuread-sso.com>

QUESTION NO: 35

Azure ネットワーク

インフラストラクチャの計画された実装後に、仮想マシン間の接続を評価しています。

次の各文について、正しい場合は「はい」を選択してください。そうでない場合は「いいえ」を選択してください。

Statements	Yes	No
The virtual machines on Subnet1 will be able to connect to the virtual machines on Subnet3.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet3 and Subnet4 will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The virtual machines on Subnet1 will be able to connect to the virtual machines on Subnet3.	<input checked="" type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to connect to the Internet.	<input checked="" type="radio"/>	<input type="radio"/>
The virtual machines on Subnet3 and Subnet4 will be able to connect to the Internet.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Statements	Yes	No
The virtual machines on Subnet1 will be able to connect to the virtual machines on Subnet3.	<input type="radio"/>	<input type="radio"/>
The virtual machines on ClientSubnet will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>
The virtual machines on Subnet3 and Subnet4 will be able to connect to the Internet.	<input type="radio"/>	<input type="radio"/>

Once the VNets are peered, all resources on one VNet can communicate with resources on the other peered VNets. You plan to enable peering between Paris-VNet and AllOffices-VNet. Therefore VMs on Subnet1, which is on Paris-VNet and VMs on Subnet3, which is on AllOffices-VNet will be able to connect to each other.

All Azure resources connected to a VNet have outbound connectivity to the Internet by default. Therefore VMs on ClientSubnet, which is on ClientResources-VNet will have access to the Internet; and VMs on Subnet3 and Subnet4, which are on AllOffices-VNet will have access to the Internet.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview>

<https://docs.microsoft.com/en-us/azure/networking/networking-overview#internet-connectivity>