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QUESTION 1

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data:

1.

Telemetry data: Deleted after two years

2.

Promotional material: Deleted after 14 days

3.

Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the data.

Which statement accurately describes the recommendation?

A. Storage costs will be based on a minimum of 30 days.

B. Access to the data is guaranteed within five minutes.

C. Access to the data is guaranteed within 30 minutes.

D. Storage costs will be based on a minimum of 180 days.

Correct Answer: D

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

	Premium performance	Hot tier	Cool tier	Archive tier
Availability	99.9%	99.9%	99%	Offline
Availability (RA-GRS reads)	N/A	99.99%	99.9%	Offline
Usage charges	Higher storage costs, lower access, and transaction cost	Higher storage costs, lower access, and transaction costs	Lower storage costs, higher access, and transaction costs	Lowest storage costs, highest access, and transaction costs
Minimum object size	N/A	N/A	N/A	N/A
Minimum storage duration	N/A	N/A	30 days[1]	180 days
Latency (Time to first byte)	Single-digit milliseconds	milliseconds	milliseconds	hours[2]

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

QUESTION 2

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft Office 365 and an Azure subscription.

Contoso has an on-premises identity infrastructure. The infrastructure includes servers that run Active Directory Domain Services (AD DS), Active Directory Federation Services (AD FS), Azure AD Connect, and Microsoft Identity Manager

(MIM).

Contoso has a partnership with a company named Fabrikam, Inc. Fabrikam has an Active Directory forest and an Office 365 tenant. Fabrikam has the same on-premises identity infrastructure as Contoso.

A team of 10 developers from Fabrikam will work on an Azure solution that will be hosted in the Azure subscription of

Contoso. The developers must be added to the Contributor role for a resource in the Contoso subscription.

You need to recommend a solution to ensure that Contoso can assign the role to the 10 Fabrikam developers. The solution must ensure that the Fabrikam developers use their existing credentials to access resources.

What should you recommend?

A. Configure an AD FS claims provider trust between the AD FS infrastructures of Fabrikam and Contoso.

B. In the Azure AD tenant of Contoso, enable Azure Active Directory Domain Services (Azure AD DS). Create a one-way forest trust that uses selective authentication between the Active Directory forests of Contoso and Fabrikam.

C. In the Azure AD tenant of Contoso, create guest accounts for the Fabrikam developers.

D. In the Azure AD tenant of Contoso, create cloud-only user accounts for the Fabrikam developers.

Correct Answer: B

Trust configurations - Configure trust from managed forests(s) or domain(s) to the administrative forest

*

A one-way trust is required from production environment to the admin forest.

*

Selective authentication should be used to restrict accounts in the admin forest to only logging on to the appropriate production hosts. Reference: https://docs.microsoft.com/en-us/windows-server/identity/securing-privileged-access/securing-privileged-access-reference-material

QUESTION 3

HOTSPOT

You configure OAuth2 authorization in API Management as shown in the exhibit.

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Add OAuth2 service
API Management service   ✕

＾

* Display name

Unique name used to reference this authorization server of the p... ✓

* Id ❶

✓

Description

Authorization server description

* Client registration page URL

https://contoso.com/register   ✓

Authorization grant types

☑ Authorization code

☐ Implicit

☐ Resource owner password

☐ Client credentials

* Authorization endpoint URL

https://login.microsoftonline.com/contoso.onmicrosoft.com/o... ✓

☐ Support state parameter

ˇ

Create

Authorization Request method

☑ GET

☐ POST

• Token endpoint URL

Token endpoint is used by clients to obtain access tokens in excha...

Additional body parameters using application/x-www-form-urlencoded format

Use the drop-domain to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The selected authorization grant type is for

| Background services |
| Headless device authentication |
| Single page applications |
| Web applications |

To enable custom data in the grant flow, select

| Client credentials |
| Implicit |
| Resource owner password |
| Support state parameter |

Correct Answer:

Answer Area

The selected authorization grant type is for

| Background services |
| Headless device authentication |
| Single page applications |
| Web applications |

To enable custom data in the grant flow, select

| Client credentials |
| Implicit |
| Resource owner password |
| Support state parameter |

Box 1: Web applications

The Authorization Code Grant Type is used by both web apps and native apps to get an access token after a user authorizes an app.

Note: The Authorization Code grant type is used by confidential and public clients to exchange an authorization code for an access token.

After the user returns to the client via the redirect URL, the application will get the authorization code from the URL and use it to request an access token.

Answers:

Not Headless device authentication:

A headless system is a computer that operates without a monitor, graphical user interface (GUI) or peripheral devices, such as keyboard and mouse.

Headless computers are usually embedded systems in various devices or servers in multi-server data center environments. Industrial machines, automobiles, medical equipment, cameras, household appliances, airplanes, vending machines

and toys are among the myriad possible hosts of embedded systems.

Box 2: Client Credentials How to include additional client data In case you need to store additional details about a client that don\\'t fit into the standard parameter set the custom data parameter comes to help:

POST /c2id/clients HTTP/1.1 Host: demo.c2id.com Content-Type: application/json Authorization: Bearer ztucZS1ZyFKgh0tUEruUtiSTXhnexmd6

{ "redirect_uris" : ["https://myapp.example.com/callback"], "data" : { "reg_type" : "3rd-party",

 "approved" : true,

 "author_id" : 792440 } } The data parameter permits arbitrary content packaged in a JSON object. To set it you will need the master registration token or a one-time access token with a client-reg:data scope.

Incorrect Answers:

Authorization protocols provide a state parameter that allows you to restore the previous state of your application. The state parameter preserves some state object set by the client in the Authorization request and makes it available to the

client in the response.

Reference:

https://developer.okta.com/blog/2018/04/10/oauth-authorization-code-grant-type

https://connect2id.com/products/server/docs/guides/client-registration

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QUESTION 4

HOTSPOT

You plan to deploy an Azure web app named App1 that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.

What should you recommend for each requirement? To answer, select the appropriate options in the answer area.

Hot Area:

The users can connect to App1 without being prompted for authentication:

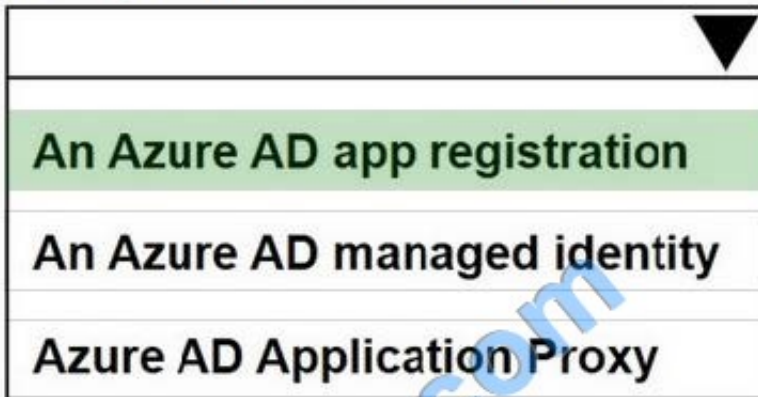| |
|---|
| An Azure AD app registration |
| An Azure AD managed identity |
| Azure AD Application Proxy |

The users can access App1 only from company-owned computers:

A conditional access policy
An Azure AD administrative unit
Azure Application Gateway
Azure Blueprints
Azure Policy

Correct Answer:

The users can connect to App1 without being prompted for authentication:

An Azure AD app registration
An Azure AD managed identity
Azure AD Application Proxy

The users can access App1 only from company-owned computers:

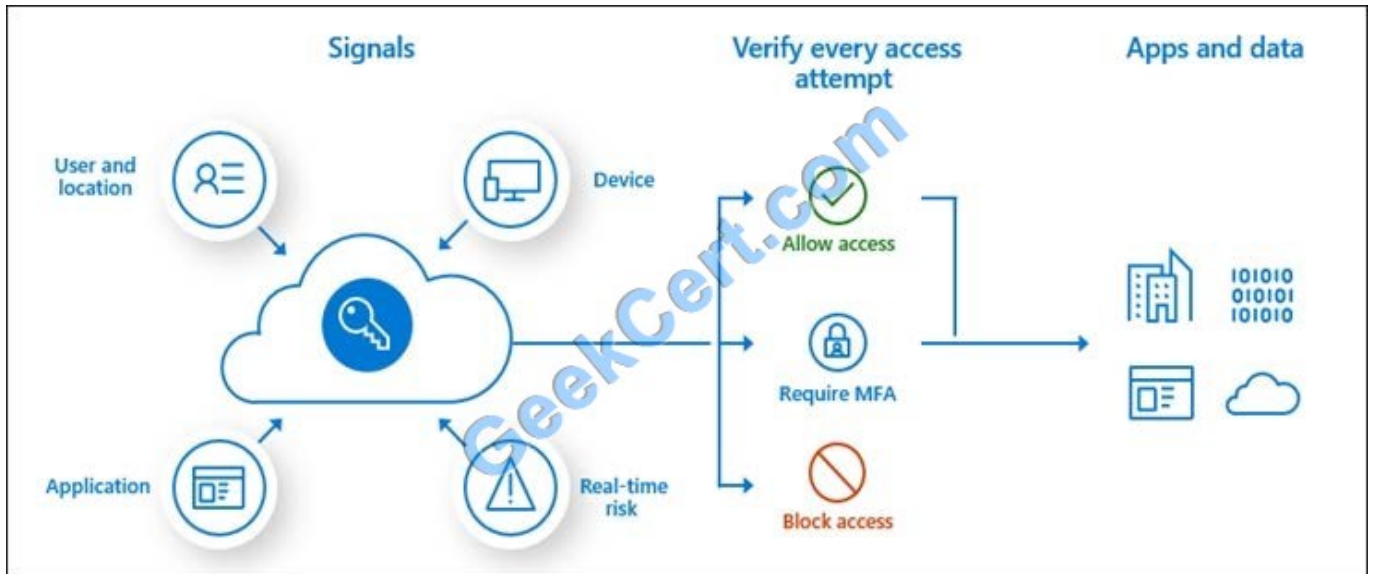| |
|---|
| **A conditional access policy** |
| An Azure AD administrative unit |
| Azure Application Gateway |
| Azure Blueprints |
| Azure Policy |
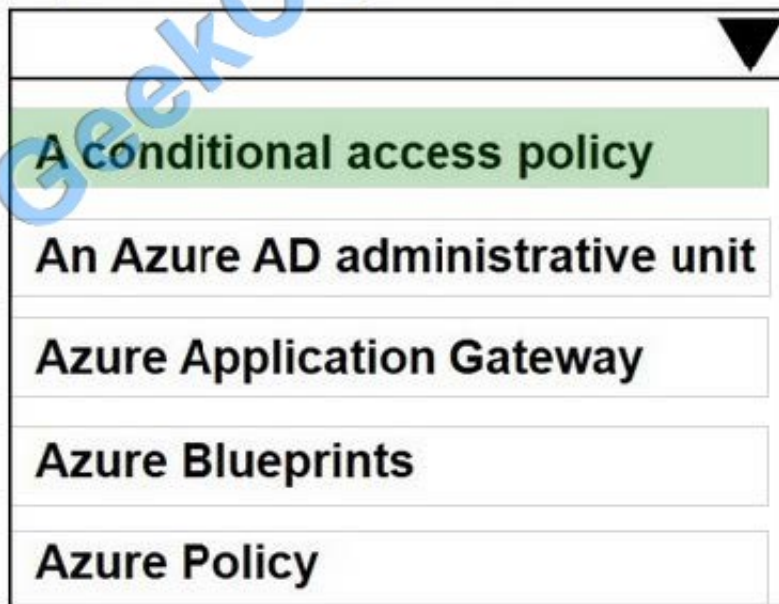
Box 1: An Azure AD app registration

Azure active directory (AD) provides cloud based directory and identity management services.You can use azure AD to manage users of your application and authenticate access to your applications using azure active directory.

You register your application with Azure active directory tenant.

Box 2: A conditional access policy

Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action.

By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user\\'s way when not needed.

Reference: https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/
https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview

QUESTION 5

HOTSPOT

You configure the Diagnostics settings for an Azure SQL database as shown in the following exhibit.

Diagnostics settings

×

🖫 Save   ✕ Discard   🗑 Delete

Name
Diagnostics

☐ Archive to a storage account

☐ Stream to an event hub

☑ Send to Log Analytics

Subscription

| Azure Pass - Sponsorship | ˅ |

Log Analytics Workspace

| sk191124 (westeurope) | ˅ |

log

☑ SQLInsights

☑ AutomaticTuning

☑ QueryStoreRuntimeStatistics

☑ QueryStoreWaitStatistics

☑ Errors

☑ DatabaseWaitStatistics

☑ Timeouts

☑ Blocks

☑ Deadlocks

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

To perform real-time reporting by using Microsoft Power BI, you must first [answer choice].

clear Send to Log Analytics
clear SQLInsights
select Archive to a storage account
select Stream to an event hub

Diagnostics data can be reviewed in [answer choice].

Azure Analysis Services
Azure Application Insights
Azure SQL Analytics
Microsoft SQL Server Analysis Services (SSAS)
SQL Health Check

Correct Answer:

Answer Area

To perform real-time reporting by using Microsoft Power BI, you must first [answer choice].

clear Send to Log Analytics
clear SQLInsights
select Archive to a storage account
select Stream to an event hub

Diagnostics data can be reviewed in [answer choice].

Azure Analysis Services
Azure Application Insights
Azure SQL Analytics
Microsoft SQL Server Analysis Services (SSAS)
SQL Health Check

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