

➤ **Vendor: Microsoft**

➤ **Exam Code: MS-100**

➤ **Exam Name: Microsoft 365 Identity and Services**

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QUESTION 401

Case Study 4 - Litware, Inc

Existing Environment

Microsoft 365

Contoso identifies the following business goals:

- * Utilize core functionality of apps whenever possible.
- * Reduce app development costs.
- * Minimize training costs for end users.

Microsoft SharePoint/Microsoft Exchange

Contoso has a Microsoft 365 subscription that uses a domain named contoso.com. Each user is assigned a Microsoft 365 Enterprise E5 licence.

Problem Statement

Contoso moves all email accounts to Microsoft 365.

Contoso migrates the SharePoint Server 2013 intranet sites of the research department to SharePoint Online.

Requirements

Business Goals

Contoso identifies the following issues:

- * Users in the sales department report that preparing quotations is time-consuming as it requires manually copying and pasting data from multiple sources.
- * Users in the HR department must use multiple apps to manage the hiring process.
- * The solution to claim expenses requires multiple manual steps.

Planned Changes

Contoso identifies the following business goals:

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Technical Requirements

Contoso plans to implement the following changes;

- * Redesign the SharePoint Online sites of the research department to provide users with an experience that is consistent with the Microsoft 365 portal. The research department has a third-party project management solution that uses the Microsoft identity platform in Azure AD.
- * Create an email workflow solution for expense claims. Users will submit their expense claims and the system will email an approval request to their manager.
- * Implement a bring your own device (BYOD) model that supports Windows 10, macOS, and Android devices.
- * Develop a custom Microsoft 365 app named SalesApp for the sales department.
- * Develop a custom Microsoft 365 app named HRApp for the HR department

Security Requirement

Contoso identifies the following technical requirements for app development:

- * The expense claims solution must provide managers with claim information and the ability to manage the claim by using Microsoft Outlook. Outlook on the web, or Outlook for iOS and Android.
- * HRApp must include a bot named HRBot that will answer HR questions. Users must be able to access the bot by ... mentioning HRBot in a Microsoft Teams channel or private chat.

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<https://www.braindump2go.com/ms-100.html>

- * HRApp must enable users to query a third-party HR system by using a tab from within a Microsoft Teams channel.
- * HRApp must include a messaging extension that enables users to search jobs by job title or job ID.
- * SalesApp must be integrated with Microsoft Word and must combine images and text from multiple sources to create a quotation as a DOCX file.
- * The distribution of SalesApp must be automatic and require minimal user interaction.
- * Solutions for SharePoint Online and Microsoft Office must follow the current Office user interface (UI) design.
- * Development tools and solutions must support Windows and non-Windows devices.
- * Development effort must be minimized.

HRApp Manifest

All solutions must support the Microsoft identity platform in Azure AD.

Intranet components must not share access tokens.

You need to recommend which API object the SharePoint Framework (SPFx) intranet components will use to access the research departments project management solution.

What should you recommend?

- A. SPHttpClient
- B. AadHttpClient
- C. HSGraphClient
- D. HttpClient

Answer: B

Explanation:

Reference:

<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/use-aadhttpclient>

QUESTION 402

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HRApp Manifest

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Intranet components must not share access tokens.

You need to recommend a model for the expense claims solution. What should you recommend?

- A. actionable messages via connectors that use an actionable message card
- B. actionable messages via email that uses an adaptive card
- C. actionable messages via connectors that use an adaptive card
- D. actionable messages via email that uses an actionable message card

Answer: D

Explanation:

Sending actionable messages via email is supported. You use actionable message cards.

Scenario:

Create an email workflow solution for expense claims. Users will submit their expense claims and the system will email an approval request to their manager. The expense claims solution must provide managers with claim information and the ability to manage the claim by using Microsoft Outlook, Outlook on the web, or Outlook for iOS and Android.

Reference:

<https://docs.microsoft.com/en-us/outlook/actionable-messages/send-via-email>

QUESTION 403

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HRApp Manifest

All solutions must support the Microsoft identity platform in Azure AD.

Intranet components must not share access tokens.

You need to ensure that users can initiate private conversations with HRBot. The solution must meet the technical requirements for HRApp.

How should you configure the HRApp manifest?

- A. In the tabs section, change the scopes collection value from teams to personal.
- B. In the dots section, add personal to the scopes collection.
- C. In the staticTabs section, add personal to the scopes collection.
- D. In the configurableTabs section, add groupchat to the scopes collection

Answer: D

QUESTION 404

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HRApp Manifest

All solutions must support the Microsoft identity platform in Azure AD.

Intranet components must not share access tokens.

You need to provide users with access to SalesApp. The solution must meet the technical requirements.

What should you include in the solution?

- A. Microsoft AppSource
- B. sideloading
- C. Centralized Deployment
- D. App Catalog in SharePoint Online

Answer: A

QUESTION 405

Case Study 4 - Litware, Inc

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HRApp Manifest

All solutions must support the Microsoft identity platform in Azure AD.

Intranet components must not share access tokens.

You need to recommend which type of Office Add-in must be used for SalesApp.

What should you recommend?

- A. module extension
- B. task pane
- C. custom function
- D. contextual

Answer: B

Explanation:

Reference:

<https://docs.microsoft.com/en-us/office/dev/add-ins/word/word-add-ins-programming-overview>

QUESTION 406

Case Study 4 - Litware, Inc

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Microsoft 365

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HRApp Manifest

All solutions must support the Microsoft identity platform in Azure AD.

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Hotspot Question

You need to modify the HRApp manifest to provide a tab that supports querying the third-party HR system.

Which section of the manifest should you modify, and which value should you set as the scope? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Section:

bots
staticTabs
configurableTabs
composeExtensions

Scope:

team
meeting
personal

Answer:

Section:

bots
staticTabs
configurableTabs
composeExtensions

Scope:

team
meeting
personal

Explanation:

<https://docs.microsoft.com/en-us/microsoftteams/platform/resources/schema/manifest-schema#composeextensions>

QUESTION 407

Case Study 4 - Litware, Inc

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HRApp Manifest

All solutions must support the Microsoft identity platform in Azure AD.

Intranet components must not share access tokens.

Hotspot Question

You need to recommend the development environment and tools for the redesign of the research department's SharePoint Online sites.

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

NOTE: Each correct selection is worth one point.

Development model: ▼
Full-trust web parts
Sandboxed solutions
SharePoint Framework (SPFx)

IDE: ▼
Eclipse
Microsoft Visual Studio
Microsoft Visual Studio Code

Front-end framework: ▼
Bootstrap
Fluent UI
Material Design

Answer:

Development model: ▼
Full-trust web parts
Sandboxed solutions
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QUESTION 408

Case Study 4 - Litware, Inc
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Drag and Drop Question

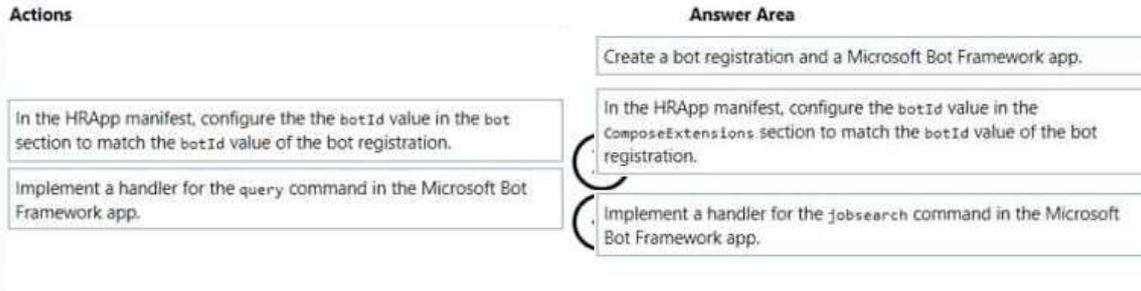
You need to configure HRApp to enable users to search for specific jobs by using chat in Microsoft Teams.

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.

Actions	Answer Area
Implement a handler for the <code>jobsearch</code> command in the Microsoft Bot Framework app.	
In the HRApp manifest, configure the <code>botId</code> value in the <code>bot</code> section to match the <code>botId</code> value of the bot registration.	
Implement a handler for the <code>query</code> command in the Microsoft Bot Framework app.	
Create a bot registration and a Microsoft Bot Framework app.	
In the HRApp manifest, configure the <code>botId</code> value in the <code>ComposeExtensions</code> section to match the <code>botId</code> value of the bot registration.	




Answer:



Explanation:

Step 1: Create a bot registration..

Step 2: In the HRApp manifest, configure the botId value in the ComposeExtensions section to match the botId value of the bot registration.

Scenario: HRApp must include a messaging extension that enables users to search jobs by job title or job ID.

Step 3: Implement a handler

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-quickstart-registration>

QUESTION 409

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Hotspot Question

You need to recommend the development environment and tools for the development of SalesApp.
What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Development model:

	▼
Office Add-ins	
SharePoint Framework (SPFx) web parts	
Microsoft Visual Studio Tools for Office (VSTO)	

IDE:

	▼
Script Lab	
Microsoft Visual Studio	
Microsoft Visual Studio Code	

Front-end framework:

	▼
Fluent UI	
Bootstrap	
Material Design	

Answer:

Development model:

	▼
Office Add-ins	
SharePoint Framework (SPFx) web parts	
Microsoft Visual Studio Tools for Office (VSTO)	

IDE:

	▼
Script Lab	
Microsoft Visual Studio	
Microsoft Visual Studio Code	

Front-end framework:

	▼
Fluent UI	
Bootstrap	
Material Design	

Explanation:

Box 1: Office Add-ins

Scenario: SalesApp must be integrated with Microsoft Word and must combine images and text from multiple sources to create a quotation as a DOCX file.

You can use the Office Add-ins platform to build solutions that extend Office applications and interact with content in Office documents.

Box 2: Microsoft Visual Studio

Visual Studio can be used to create Office Add-ins for Excel, Outlook, Word, and PowerPoint. An Office Add-in project gets created as part of a Visual Studio solution and uses HTML, CSS, and JavaScript.

Box 3: Fluent UI

Fluent UI is the upcoming and continually evolving design system for Microsoft 365. Currently, there is an ongoing merge in the process to have one consistent UI Framework across the Microsoft ecosystem.

Reference:

<https://docs.microsoft.com/en-us/office/dev/add-ins/overview/office-add-ins>

<https://n8d.at/5-reasons-or-thoughts-on-fluent-ui-web>

QUESTION 410

You create an incoming webhook named webhook1 for a Microsoft Teams team. You need to test webhook1. What should you do?

- A. @mention webhook1 in a channel.
- B. @mention webhook1 in a private message.
- C. @Perform an http post operation against the generated URL for webhook1.
- D. @Perform an http get operation against the generated URL for webhook1.

Answer: A

QUESTION 411

You plan to develop a diem-side JavaScript web app that will be registered to the Microsoft identity platform and use Microsoft Authentication Library (MSAL) v2.0.

Which type of authorization flow should you use?

- A. device code
- B. authorization code grant
- C. client credentials grant
- D. resource owner password credentials grant

Answer: C

QUESTION 412

You are developing an app that will query the tenant for the names of all the Microsoft Teams teams in the organization.

What permission will the app require? Your solution must follow the principle of least privilege.

- A. Group.Read.All
- B. Directory.Read.All
- C. Channel.ReadBasic.All
- D. TeamSettings.Read.All

Answer: D

QUESTION 413

You plan to develop a SharePoint Framework (SPfx) web part by using the ReactJS framework. You need to ensure that all the web part fields and controls adopt the theme of the site when you deploy the web part. The solution must minimize development effort.

What should you include in the solution?

- A. Material-UI
- B. FluentUI
- C. Microsoft Fluid Framework
- D. HTML5 and CSS

Answer: B

QUESTION 414

You are building a Microsoft Office Add-in for Outlook that will use the Microsoft Graph REST API to retrieve a users documents from a Microsoft SharePoint Online site.

What should the add-in provide to retrieve the documents on behalf of the user?

- A. a refresh token
- B. an identity token
- C. a single sign-on (SSO) token
- D. an access token

Answer: D

QUESTION 415

You are developing a new Microsoft Teams app that will contain the following functionality:

- Start a new chat
- Prompt users to install an app.
- Make a Microsoft Graph API call.
- Trigger a search-based command.

Which two functionalities can be implemented by using a deep link? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point

- A. Prompt users to install an app.
- B. Trigger a search-based command.
- C. Start a new chat
- D. Make a Microsoft Graph API call.

Answer: AC

QUESTION 416

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<https://www.braindump2go.com/ms-100.html>

You are developing a Microsoft Teams app that will use an Azure function to send scheduled messages from a bot to users.

What is required for the Teams app to send a proactive message to the users?

- A. The users must send at least one message to the bot.
- B. The bot must be approved in Azure Active Directory (Azure AD).
- C. The bot must be granted admin access to the users.
- D. The Teams app must be added for each user.

Answer: A

QUESTION 417

Your company has a sales system that emails an alert to all the members of the sales department when a new sale is made.

You need to ensure that a notification is posted to a team channel when a new sale is made.

The solution must minimize development effort.

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

NOTE: Each correct selection is worth one point.

- A. Post XML to the webhook URL from the existing sales system.
- B. Set the configurationUrl property of a connector in the manifest
- C. Get an incoming webhook for the channel
- D. Post JSON to the webhook URL from the existing sales system.

Answer: AC

QUESTION 418

This question requires that you evaluate the underlined text to determine if it is correct-In Microsoft Word on Windows, before you can sideload a Microsoft Office Add-in, you must first: upload the manifest to Microsoft OneDrive instructions: Review the underlined text. If it makes the statement correct select "No change is needed," If the statement is incorrect select the answer choice that makes the statement correct

- A. No change is needed.
- B. deploy the manifest to an Azure website
- C. publish the manifest to a trusted network location
- D. set Microsoft Edge to Developer Mode

Answer: C

QUESTION 419

You are developing a Microsoft Office Add-in for Microsoft Word.

Which Office UI element can contain commands from the add-in?

- A. the title bar
- B. context menus
- C. taskpaoes
- D. the File menu

Answer: B

QUESTION 420

You have a SharePoint Framework (SPFx) web part that displays the weather. Users can set the city within the web part.

Which component is invoked to provide the users with the ability to configure the settings for the web part?

- A. a custom control

- B. the Application Customizer
- C. a library component
- D. the property pane

Answer: D

QUESTION 421

When creating an spkg package for deploying a web part you use the gulp command. Instructions: Review the underlined text. If it makes the statement correct select "No change is needed/ If the statement is incorrect select the answer choice that makes the statement correct.

- A. No change is needed.
- B. the web part must be signed
- C. you use the yeoman (or yo) PowerShell cmdtet
- D. the solution must be signed

Answer: C

QUESTION 422

What should you add to a SharePoint Framework (SPFx) solution to ensure that the solution can be used as a Microsoft Teams tab?

- A. the TeamsTab value to the supportedHosts property in the manifest file
- B. a Teams manifest file to the config folder in the solution
- C. the TeamsTab value to the componentType property in the manifest file
- D. a webpart manifest file to the config folder in the solution

Answer: A

QUESTION 423

You create a SharePoint Framework (SPFx) web part and include MSGraphClient by using the following manifest.

```
{
  "$schema": "https://developer.microsoft.com/json-schemas/spfx-build/package-solution.schema.json",
  "solution": {
    "name": "WebPart1",
    "id": "841cd609-d846-468d-a6ef-2d207b966cd8",
    "version": "1.0.0.0",
    "includeClientSideAssets": true,
    "skipFeatureDeployment": true,
    "webApiPermissionRequests": [
      {
        "resource": "Microsoft Graph",
        "scope": "Mail.Send"
      }
    ]
  },
  "paths": {
    "zippedPackage": "solution/WebPart1.sppkg"
  }
}
```

Which two actions can the web part perform? Each correct answer presents part of the solution.
NOTE Each correct selection is worth one point

- A. Access the user information of all users.
- B. Send an email on behalf of the current user.
- C. Send an email on behalf of another user.

- D. Access the user information of the current user only.
- E. Create a file in the current user's Microsoft OneDrive

Answer: BD

QUESTION 424

You have a web app that uses the Microsoft identity Platform.

You extend the application manifest to implement the following role-based access control (RBAC).

```
"appId": "8763f1c4-f988-489c-a51e-158e9ef97d6a",
"appRoles": [
  {
    "allowedMemberTypes": [
      "User"
    ],
    "displayName": "Read user access",
    "id": "9e46db32-d022-4e98-84cc-520a55ff9ba0",
    "isEnabled": true,
    "description": "Readers have the ability to read tasks.",
    "value": "Readers"
  },
  {
    "allowedMemberTypes": [
      "User"
    ],
    "displayName": "Write user access",
    "id": "9e46db32-d022-4e98-84cc-520a55ff9ba0",
    "isEnabled": false,
    "description": "Writers have the ability to write tasks."
    "value": "Writers"
  }
],
"availableToOtherTenants": false,
```

When you attempt to save the manifest you receive a validation error.
Which key value pair should you modify to resolve the error?

- A. id
- B. isEnabled
- C. allowedMamberType
- D. appId

Answer: B

QUESTION 425

You are developing a daemon application that reads all the emails in the Inbox of a specific Microsoft 365 mailbox. Some emails contain meeting dates and room mailbox names. The application has the following requirements:

- Move each processed email to a subfolder in the mailbox
- If an email contains meeting data, create an event in the corresponding room mailbox calendar.

Which Microsoft Graph permissions should you grant for the application?

- A. Calendars.Readwrite and Mail.ReadWrite delegated permissions
- B. Calendars.Readwrite.Shared and Mail.Readwrite delegated permissions
- C. Calendars.Readwrite and Mail.Read application permissions

D. Calendars.ReadWrite and Mail.Readwrite application permissions

Answer: D

QUESTION 426

You have a backend service that will access the Microsoft Graph API. The backend service is hosted on-premises. You need to configure the service to authenticate by using the most secure authentication method. What should you configure the service to use?

- A. a client secret
- B. a certificate
- C. a hash
- D. a shared key

Answer: B

QUESTION 427

You have a single-page application (SPA) named TodoListSPA and a server-based web app named TodoListService. The permissions for the TodoList SPA API are configured as shown in the TodoList SPA exhibit. (Click the TodoListSPA tab.)

API/PERMISSIONS NAME	TYPE	DESCRIPTION	ADMIN CONSENT REQUIRED
▼ TodoListService-OBO-sample-v2 (1)			
user_impersonation	Delegated	Access TodoListService-OBO-sample-v2	

The permissions for the TodoListService API are configured as shown in the TodoListService exhibit. (Click the TodoListService tab.)

API/PERMISSIONS NAME	TYPE	DESCRIPTION
▼ Microsoft Graph (1)		
UserRead	Delegated	Sign in and read user profile

You need to ensure that TodoListService can access a Microsoft OneDrive file of the signed-in user. The solution must use the principle of least privilege. Which permission should to grant?

- A. the Sites.Read.All delegated permission for TodoListService
- B. the Sites.Read.All delegated permission for TodoListSpa
- C. the Sites.Read.All application permission for TodoListSPA
- D. the Sites.Read.All application permission for TodoListService

Answer: A

Explanation:

A client application gains access to a resource server by declaring permission requests. Two types are available: "Delegated" permissions, which specify scope-based access using delegated authorization from the signed-in resource owner, are presented to the resource at run-time as "scp" claims in the client's access token. "Application" permissions, which specify role-based access using the client application's credentials/identity, are presented to the resource at run-time as "roles" claims in the client's access token.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/developer-glossary#permissions>

QUESTION 428

You are developing a mobile application that will display the current signed-in user's display name and the application settings.

The application settings are stored as a Microsoft Graph extension of the user profile.

Users of the application have intermittent network connectivity.

You need to retrieve the least amount of data by using a single REST request. The solution must minimize network traffic.

Which URI should you use to retrieve the data?

- A. [https://graph.microsoft.com/v1.0/me?Select=displayName,ids\\$expand=extensions](https://graph.microsoft.com/v1.0/me?Select=displayName,ids$expand=extensions)
- B. <https://graph.microsoft.com/v1.0/me>
- C. [https://graph.microsoft.com/v1.0/me?select=displayName,userType\\$expand=extensions](https://graph.microsoft.com/v1.0/me?select=displayName,userType$expand=extensions)
- D. <https://graph.microsoft.com/v1.0/me?Expand=extensions>

Answer: B

QUESTION 429

You are Developing a human resources application that will show users where they are in their company's organization chart.

You are adding a new feature that will display the name of a user's manager inside the application.

You need to create a REST query to retrieve the information. The solution must minimize me amount of data retrieved.

Which Query should you use?

- A. [https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/Mnager>\\$select=displayname](https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/Mnager>$select=displayname)
- B. [https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/people?\\$filter=jobTitle eq 'manager'\\$select=displayName](https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/people?$filter=jobTitle eq 'manager'$select=displayName)
- C. <https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/manager>
- D. [https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/contact?\\$filter= jobTitle eq 'manager'](https://graph.microsoft.com/v1.0/users/{UserPrincipalName}/contact?$filter= jobTitle eq 'manager')

Answer: A

QUESTION 430

You plan to create a single-tenant console app that will use the Microsoft identity platform.

You need to ensure that the app can use the device code flow to access Microsoft Graph and read email on behalf of the authenticated user.

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

NOTE: Each correct selection is worth one point.

- A. Set Supported account types to Accounts In this organizational directory only
- B. Generate a client secret for the app
- C. Set Supported account types to Accounts in any organizational directory
- D. Enable the Default client type option.
- E. Add redirect URIs.
- F. From the Expose an API settings, create a custom scope.

Answer: BCE

QUESTION 431

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.

You are developing a new application named App1 that uses the Microsoft identity platform to authenticate to Azure Active Directory (Azure AD).

Currently, App1 can read user profile information

You need to allow App1 to read the user's calendar.

Solution: From the Azure portal, edit the API permission list for App1. Add the Microsoft Graph API and the Calendars-Read permissions and then grant tenant admin consent.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

QUESTION 432

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.

You are developing a new application named App1 that uses the Microsoft identity platform to authenticate to Azure Active Directory (Azure AD).

Currently, App1 can read user profile information.

You need to allow App1 to read the user's calendar.

Solution: Perform a POST request against <https://graph.microsoft.com/v1.0/me/events>.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

QUESTION 433

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.

You are developing a new application named App1 that uses the Microsoft identity platform to authenticate to Azure Active Directory (Azure AD).

Currently, App1 can read user profile information.

You need to allow App1 to read the user's calendar.

Solution: Add <https://graph.windows.net/user>, read to the list of scopes during the initial login request.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

QUESTION 434

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.

You have a Microsoft 365 subscription.

You discover that some external users accessed content on a Microsoft SharePoint site. You modify the SharePoint sharing policy to prevent sharing outside your organization. You need to be notified if the SharePoint policy is modified in the future.

Solution: From the Security & Compliance admin center, you create a threat management policy.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

We can create a threat management policy to alert us when the sharing policy is changed. Create a new Alert policy > under Category select Threat Management > under 'Activity is' scroll down to the 'Site administration activities' and select 'Changed a sharing policy'.

QUESTION 435

Drag and Drop Question

You have a Microsoft 365 subscription.

You build a Microsoft Teams app named App1.

You need to publish App1 to the app catalog.

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 436

Hotspot Question

You have a bot named SupportBot that is registered to the Microsoft Bot Framework and deployed to the Azure Bot Service. The bot is configured as shown in the following table.

Attribute	Value
Name	SupportBot
Azure Bot Service endpoint address	https://supportbot.azurewebsites.net/api/messages
MicrosoftAppID	607209dd-d036-49c7-91fe-e54147b8d892
TeamsAppID	f66f0635-cbc1-4695-8c25-d76c20b5f883

SupportBot provides responses to user queries in Microsoft Teams conversations.

You need to create an app manifest to deploy SupportBot to Microsoft Teams.

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

NOTE Each correct selection is worth one point.

Answer Area

```

"bots": [
  {
    "botId": SupportBot
    "scopes": f66f0635-cbc1-4695-8c25-d76c20b5f883
    "needsChannel": 607209dd-d036-49c7-91fe-e54147b8d892
    "needsChannelUrl": https://supportbot.azurewebsites.net/api/messages
    "scopes": ["team", "groupchat"]
    "needsChannel": {"team": "groupchat"}
    "isNotification": ["personal", "groupchat"]
  }
  ...

```

Answer:

Answer Area

```

"bots": [
  {
    "botId": SupportBot
    "scopes": f66f0635-cbc1-4695-8c25-d76c20b5f883
    "needsChannel": 607209dd-d036-49c7-91fe-e54147b8d892
    "needsChannelUrl": https://supportbot.azurewebsites.net/api/messages
    "scopes": ["team", "groupchat"]
    "needsChannel": {"team": "groupchat"}
    "isNotification": ["personal", "groupchat"]
  }
  ...

```

QUESTION 437

Hotspot Question

You have a Microsoft Teams app that contains a conversational bot. The bot uses task modules to reply to users. When the bot receives a new message, the following code is executed before a response is sent back to the user to decide whether the bot should continue the conversation.

```

30 case "task/submit": {
31   if (invokevalue.data != undefined) {
32     switch (invokevalue.data.taskResponse) {
33       case "message":
34         session.send("Task/submit results from the Adaptive card:" + JSON.stringify(invokevalue) + "");
35         break;
36       case "continue":
37         let fetchResponse = fetchTemplates.submitResponse;
38         fetchResponse.task.value_card = renderAttachment(cardTemplates.aSubmitResponse, { results: JSON.stringify(invokevalue.data) });
39         cb(null, fetchResponse, 200);
40         break;

```

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.

If `invokeValue.data.taskResponse` equals "message",
the user will [answer choice]

- stop interacting with the bot.
- continue interacting with the bot.
- receive a webpage pop-up window.
- receive a final message from the bot.

If `invokeValue.data.taskResponse` equals "final",
the user will [answer choice]

- stop interacting with the bot.
- continue interacting with the bot.
- receive a webpage pop-up window.
- receive a final message from the bot.

Answer:

If `invokeValue.data.taskResponse` equals "message",
the user will [answer choice]

- stop interacting with the bot.
- continue interacting with the bot.
- receive a webpage pop-up window.
- receive a final message from the bot.

If `invokeValue.data.taskResponse` equals "final",
the user will [answer choice]

- stop interacting with the bot.
- continue interacting with the bot.
- receive a webpage pop-up window.
- receive a final message from the bot.

Explanation:

<https://github.com/OfficeDev/microsoft-teams-sample-task-module-nodejs>

QUESTION 438

Hotspot Question

You need to develop a leave request app that will use Microsoft Outlook and adaptive cards. The leave requests of an employee will be sent as an actionable message to the employee's managers. When one of the managers performs an action on the actionable message, the other managers must see only the updated message and the action performed by the manager.

How should you complete the adaptive card JSON? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```

{
  "$schema": "http://adaptivecards.io/schemas/adaptive-card.json",
  "type": "AdaptiveCard",
  "version": "1.0",
  ...
  "actions": {
    "autoInvokeAction": {
      "expectedActors": {
        "method": "MERGE",
        "method": "POST",
        "method": "PUT",
        "url": "https://actionablemessages.contoso.com/api/getupdatedcard",
        "body": "",
        "type": "Action.Http"
      }
    }
  }
}

```

Answer:

Answer Area

```

{
  "$schema": "http://adaptivecards.io/schemas/adaptive-card.json",
  "type": "AdaptiveCard",
  "version": "1.0",
  ...
  "actions": {
    "autoInvokeAction": {
      "expectedActors": {
        "method": "MERGE",
        "method": "POST",
        "method": "PUT",
        "url": "https://actionablemessages.contoso.com/api/getupdatedcard",
        "body": "",
        "type": "Action.Http"
      }
    }
  }
}

```

Explanation:

Box 1: "autoInvokeAction": {

With the autoInvokeAction property on actionable messages, you can provide an HTTP endpoint to retrieve an up-to-date Adaptive Card payload with the latest information when the user opens the email in Outlook.

Box 2: "method": "POST",

With the autoInvokeAction property on actionable messages, you can provide an HTTP endpoint to retrieve an up-to-date Adaptive Card payload with the latest information when the user opens the email in Outlook.

Reference:

<https://docs.microsoft.com/en-us/outlook/actionable-messages/auto-invoke>

QUESTION 439

Hotspot Question

You plan to implement a new task pane in Microsoft Office.

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
Task panes are available in Office Online.	<input type="checkbox"/>	<input type="checkbox"/>
Task panes can be placed on either the left or right side of application windows.	<input type="checkbox"/>	<input type="checkbox"/>
Task panes can be used to modify the contents of documents.	<input type="checkbox"/>	<input type="checkbox"/>

Answer:

Statements	Yes	No
Task panes are available in Office Online.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Task panes can be placed on either the left or right side of application windows.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Task panes can be used to modify the contents of documents.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Explanation:

Reference:

<https://github.com/OfficeDev/office-js-docs-pr/blob/master/docs/develop/automatically-open-a-task-pane-with-a-document.md>

<https://docs.microsoft.com/en-us/office/troubleshoot/settings/office-program-task-panes>

QUESTION 440

Hotspot Question

You are developing a SharePoint Framework (SPFx) solution. 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
Field Customizer extensions can be used to change the rendering of a field.	<input type="checkbox"/>	<input type="checkbox"/>
Field Customizer extensions can use the Server-Side Object Model.	<input type="checkbox"/>	<input type="checkbox"/>
Field Customizer extensions can use client-side libraries such as AngularJS and React.	<input type="checkbox"/>	<input type="checkbox"/>

Answer:

Statements	Yes	No
Field Customizer extensions can be used to change the rendering of a field.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Field Customizer extensions can use the Server-Side Object Model.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Field Customizer extensions can use client-side libraries such as AngularJS and React.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Explanation:

Reference:

<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/extensions/get-started/building-simple-field-customizer#enhance-the-field-customizer-rendering>

<https://www.spguides.com/spfx-application-customizer/>