

Practice Exam Questions



Building Applications and Solutions with Microsoft 365 Core Services



EXAMAIDES

PASS YOUR EXAM AT FIRST TRY

Total Question: 59 QAs

Implement Microsoft Identity

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

ADatum Corporation develops a software as a service (SaaS) application named E-invoicing.

Existing Environment

Application Architecture

E-invoicing consists of a single-page application (SPA) and a backend web service that provides invoice management and processing functionality.

E-invoicing stores all the details of each invoicing operation in a backend cloud database. E-invoicing generates invoices in PDF format and provides users with the ability to download the PDF after it is generated. Each invoice has a unique identifier named invoiceid.

The users have a common workflow where they sign in to E-invoicing, and then open E-invoicing in multiple tabs of a web browser so they can use different parts of the application simultaneously.

Security Architecture

ADatum uses the principle of least privilege whenever possible. ADatum always uses the latest libraries and integration endpoints.

Requirements

Business Goals

ADatum wants to integrate E-invoicing, Azure Active Directory (Azure AD), and Microsoft Graph so that their customers can leverage Microsoft Office 365 services directly from within E-invoicing.

Planned Changes

ADatum plans to add the following capabilities to E-invoicing:

- Email the generated invoices to customers on behalf of the current signed-in user. Any emails generated by the system will contain the invoiceid.

- Perform as many operations as possible in the browser without having to leave the E-invoicing application.
- Use Azure AD to manage identities, authentication, and authorization.
- Display all emails that contain a specific invoiceid.

Technical Requirements

ADatum identifies the following technical requirements for the planned E-invoicing capabilities:

- Ensure that all operations performed by E-invoicing against Office 365 are initiated by a user. Require that the user authorize E-invoicing to access the Office 365 data the first time the application attempts to access Office 365 data on the user's behalf.
- Send scheduled reminders to customers before a payment due date. Create an administration user interface to enable the scheduled reminders.
- Implement Microsoft Graph change notifications to detect emails from vendors that arrive in a designated mailbox.
- Implement single sign-on (SSO) and minimize login prompts across browser tabs.
- Secure access to the backend web service by using Azure AD.
- Ensure that all solutions use secure coding practices.

Backend Security Planned Changes

ADatum wants to use custom application roles to map user functionality to permissions granted to users.

E-invoicing will have internal logic that will dynamically identify whether the user should be allowed to call the backend API.

SSO JavaScript Script

You plan to implement SSO with Microsoft Authentication Library (MSAL) by using the following code:

```
01 const config ={
02   auth: {
03     clientId: '3b41e6eb-29a1-44cc-8473-e8abfe5c4e07'
04   },
05   cache: {
06     ...
07   }
08 }
09 const myMSALObj = new UserAgentApplication(config);
10 ...
```

Access Token JavaScript Script

You have the following JavaScript code to obtain an access token.

```

01 ...
02 userAgentApplication.acquireTokenSilent(accessTokenRequest).then(
03   function(accessTokenResponse) {
04     let accessToken = accessTokenResponse.accessToken;
05   }).catch(function (error) {
06     if (error.errorMessage.indexOf('interaction_required') !== -1) {
07       userAgentApplication.acquireTokenPopup(accessTokenRequest).then(
08         function(accessTokenResponse) {
09           ...
10         }).catch(function(error) {
11           console.log(error);
12         });
13     }
14     console.log(error);
15 });

```

Change Notification JSON

You have the following JSON message that will be sent by the Microsoft Graph service to detect the vendor emails.

```

01 {
02   "value": [
03     {
04       "subscriptionId": "<subscription_guid>"
05       "subscriptionExpirationDateTime": "<expirationdate>",
06       "clientState": "<secret>",
07       "changeType": "created",
08       "resource":
09         "users/<user_guid>@<tenant_guid>/messages/<long_id_string>",
10       "resourceData":
11         {
12           "@odata.type": "#Microsoft.Graph.Message",
13           "@odata.id": "Users/<user_guid>@<tenant_guid>/Messages/<long_id_string>",
14           "@odata.etag": "W/\\"CQAAABYAAADkrWGo7bouTKlsgTZMr9KwAAAUWRHf\\"",
15           "id": "<long_id_string>"
16         }
17     }
18   ]
19 }

```

Question No: 1

You need to configure the initial login request in the access token JavaScript script.

Which code segment should you insert at line 01?

- A. `const scopes = ['https://graph.microsoft.com/.default'];`
- B. `const accessTokenRequest = {`
`};`
- C. `const scopes = ['https://graph.microsoft.com/Files.Read.All',`
`'https://graph.microsoft.com/Mail.Send.All'];`
- D. `const accessTokenRequest = {`
 `scopes: ['https://graph.microsoft.com/Files.ReadWrite',`
 `'https://graph.microsoft.com/Mail.Send']`
`};`

Correct Answer: D

Question No: 2
DRAG DROP

You need to protect the backend web service to meet the technical requirements.

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

Select and Place:

Actions

- Set the App ID URI for the backend web service application registration
- Register an application in Azure AD for the backend web service
- Define the scopes in the E-invoicing application registration
- Register an application in Azure AD for E-invoicing. Grant admin consent to the E-invoicing application registration to the API scopes of the backend web service application registration
- Define the scopes in the backend web service application registration

Answer Area



Correct Answer:

Actions

- Set the App ID URI for the backend web service application registration
- Register an application in Azure AD for the backend web service
- Define the scopes in the E-invoicing application registration
- Register an application in Azure AD for E-invoicing. Grant admin consent to the E-invoicing application registration to the API scopes of the backend web service application registration
- Define the scopes in the backend web service application registration

Answer Area



- Register an application in Azure AD for the backend web service
- Set the App ID URI for the backend web service application registration
- Define the scopes in the E-invoicing application registration
- Register an application in Azure AD for E-invoicing. Grant admin consent to the E-invoicing application registration to the API scopes of the backend web service application registration

Question No: 3

You need to complete the MSAL.js code for SSO.

Which code segment should you insert at line 06?

- A. `storeAuthStateInCookie: false`
- B. `storeAuthStateInCookie: true`

C. cacheLocation: 'localStorage'

D. cacheLocation: 'sessionStorage'

Correct Answer: C