



Microsoft

Exam Questions MB-820

Microsoft Dynamics 365 Business Central Developer

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NEW QUESTION 1

- (Topic 1)

You need to define the data types for the fields of the N on-conformity table.

Which two data types should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Integer for the N on-conformity Number field
- B. Date Time for the Non-Conformity Date field
- C. Char for the Non-Conformity Number field
- D. Date for the Non-Conformity Date field
- E. Code for the Non-Conformity Number field

Answer: CE

Explanation:

In Business Central, fields in tables are assigned specific data types that determine the kind of data they can store. For the Non-conformity table mentioned in the case study, the following data types should be used:

? Date for the Non-Conformity Date field: This is because the Non-conformity Date field is required to store only the date when the non-conformity was recorded.

The Date data type is appropriate for storing dates without times.

? Code for the Non-Conformity Number field: The Non-conformity Number field is described to use alphanumeric values with a format that includes "NC" and the year, like "NC24-001". In Business Central, the Code data type is used for fields that store alphanumeric keys. It is a text field with a limited length, which makes it suitable for number series that contain letters and numbers.

Other options are not suitable:

? A. Integer for the Non-conformity Number field: This would not be appropriate because the Non-conformity Number includes alphanumeric characters and not just integers.

? B. DateTime for the Non-Conformity Date field: This is not correct because there is no requirement to store the time alongside the date.

? C. Char for the Non-Conformity Number field: Char data type is not typically used in Business Central for number series or identifiers. The Code data type is preferred for this purpose.

NEW QUESTION 2

HOTSPOT - (Topic 1)

You need to create the Install codeunit that is required in the extension used for installing or updating the Housekeeping app.

Which data type or declaration should you use? To answer, select the appropriate options in the answer area.

NOTE; Each correct selection is worth one point.

Data types or declarations for an Install codeunit

Requirement

Data type for information

Start of the declaration of the method or procedure to perform the tasks

Data type or declaration

ModuleDependencyInfo
ModuleInfo
SessionInformation

global procedure
local procedure
procedure

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

For the Install codeunit required for the extension used for installing or updating the Housekeeping app, you should use the following data type and declaration:

? Data type for information: ModuleInfo

? Start of the declaration of the method or procedure to perform the tasks: local procedure

In AL language, which is used for developing extensions in Business Central, an Install codeunit is a special type of codeunit that is used to handle installation or upgrade logic for an extension.

? ModuleInfo is a data type that contains information about the current extension,

such as its version. It is typically used within the OnInstallAppPerCompany or OnUpgradePerCompany triggers of an Install codeunit to determine if the app is being installed for the first time or upgraded.

? A local procedure within an Install codeunit is a method that is only accessible

within the codeunit itself. It is not visible to other objects or extensions. This is suitable for tasks that are internal to the installation process and should not be exposed globally.

These selections align with the requirements of handling installation and update procedures in a controlled and encapsulated manner within Business Central extensions.

NEW QUESTION 3

HOTSPOT - (Topic 2)

You need to write the code to call the subcontractor's REST API.

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

NOTE: Each correct selection is worth one point.

REST services

```

procedure CallSubcontractorAPI(Url: Text[2048]; Username: Text[100]; Password:
Text[100]; Body: Text)
var
    httpClient: HttpClient;
    ResponseMessage: HttpResponseMessage;
    RequestHeaders, ContentHeaders: HttpHeaders;
    httpContent: HttpContent;
    Base64Convert: Codeunit "Base64 Convert";
    Response: Text;
begin
    RequestHeaders := httpClient.DefaultRequestHeaders();
    RequestHeaders.Add(
        'Authentication'
        'Authorization'
        'Authorization
        Authentication
        'Credentials'
        'Basic ' +
        Base64Convert.FromBase64(Username + ':' + Password)
        Base64Convert.ToBase64(Username + ':' + Password)
        Base64Convert.ToBase64(Username) + Base64Convert.ToBase64(Password)
        Username + ':' + Password
    );

    httpClient.GetHeaders(ContentHeaders);
    ContentHeaders.Remove('Content-Type');
    ContentHeaders.Add('Content-Type', 'application/json');
    if
        httpClient.Post(Url, httpContent)
        httpClient.Post(Url, httpContent, Response)
        httpClient.Post(Url, httpContent, ResponseMessage)
        httpClient.Send(Url, httpContent, ResponseMessage)
    then
        httpContent := Body
        httpContent.Clear()
        httpContent.WriteFrom(Body)

```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

To correctly write the code to call the subcontractor's REST API, you would need to set the Authorization header with the base64 encoded username and password for basic authentication. The code segment indicates the use of the Base64Convert codeunit to convert the username and password to base64 format, which is then prefixed with "Basic " to form the proper Authorization header value.

The correct method to add the Authorization header to the RequestHeaders would be:
 RequestHeaders.Add('Authorization', 'Basic ' + Base64Convert.ToBase64(Username + ':' + Password));

And the correct method to set the httpContent with the body of the request would be:
 httpContent.WriteFrom(Body);

These are the necessary steps to form a well-structured HTTP request for basic authentication and to include the body of the request in the API call.

NEW QUESTION 4

DRAG DROP - (Topic 2)

You need to handle the removal of the Description field and the Clone procedure without breaking other extensions.

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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

- Set the Description field as ObsoleteState = Removed; in version 2.0.0.1.
- Remove the Description field in version 2.0.0.0.
- Set the Clone procedure as ObsoleteState = Removed; in version 2.0.0.1.
- Remove the Clone procedure in version 2.0.0.0.
- Set the Clone procedure as ObsoleteState = Pending and ObsoleteReason = 'Not in use' in version 2.0.0.0.
- Set the Description field as ObsoleteState = Pending and ObsoleteReason = 'Not in use' in version 2.0.0.0.
- Remove the Description field from the Issue table in version 2.0.0.1.
- Add the [Obsolete('xxx')] attribute to the Clone procedure in version 2.0.0.0.

Actions to handle the field and procedure removal

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

In Business Central, when you need to handle the removal of fields and procedures to ensure that other extensions are not affected by these changes, you typically follow a two-step deprecation process. This allows other developers and users to adapt to the changes before they are fully enforced. Here are the steps

to handle the removal:

? Mark as Obsolete: In the first version where the decision to remove the field or procedure is made, you set the ObsoleteState to Pending and provide an ObsoleteReason. This doesn't remove the feature but indicates to users and developers that it will be removed in the future. This step is crucial for backward compatibility.

? Removal: In a subsequent version, after users have had time to adapt to the deprecation warning, you can then remove the field or procedure or set the ObsoleteState to Removed.

Based on these guidelines, here are the three actions you should perform in sequence:

? Set the Description field as ObsoleteState = Pending and ObsoleteReason = 'Not in use' in version 2.0.0.0.

? Set the Clone procedure as ObsoleteState = Pending and ObsoleteReason = 'Not in use' in version 2.0.0.0.

? Remove the Description field from the Issue table in version 2.0.0.1.

These steps will ensure that anyone using the Description field or Clone procedure will receive a warning about the pending deprecation before it is actually removed, thereby minimizing the impact on other extensions and providing a clear path for migration.

When handling the removal of fields and procedures in Microsoft Dynamics 365 Business Central, the process should be carried out in a way that allows other extensions or dependent features to adapt to the changes without causing immediate failures.

? Set Obsolete State and Reason for Description Field (Version 2.0.0.0): The first step involves marking the Description field as obsolete by setting the ObsoleteState to 'Pending'. This is a non-breaking change, signaling to other developers and users that the field is planned for removal in a future version. An ObsoleteReason should also be provided to explain why the field is being deprecated.

? Set Obsolete State and Reason for Clone Procedure (Version 2.0.0.0): Similarly, the Clone procedure should be marked as obsolete with the ObsoleteState set to 'Pending'. This indicates that the procedure is no longer in use and will be removed in the future. Providing an ObsoleteReason is best practice as it explains the rationale behind the decision.

? Remove the Description Field (Version 2.0.0.1): In the subsequent version, after the developers and users have been given time to adapt to the deprecation notice, the Description field can be safely removed from the Issue table. This is considered a breaking change, hence it is done after the field has been marked as obsolete in a previous version.

The reason for not removing the Description field and Clone procedure immediately in version 2.0.0.0 is to avoid causing runtime errors for any extensions or integrations that may depend on these components. By following this sequence, you provide a clear deprecation path that helps maintain the stability of the overall system while evolving the schema.

NEW QUESTION 5

HOTSPOT - (Topic 2)

You need to write an Upgrade codeunit and use the DataTransfer object to handle the data upgrade.

Which solution should you use for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Actions to set up the data upgrade topic

Requirement	Solution
Upgrade codeunit trigger	<div>OnValidateUpgradePerDatabase</div> <div>OnValidateUpgradePerCompany</div> <div>OnUpgradePerDatabase</div> <div>OnUpgradePerCompany</div> <div>OnValidateUpgradePerDatabase</div>

| DataTransfer method to use | CopyRows CopyFields CopyRows SetTables TransferFields |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Upgrade codeunit trigger: OnValidateUpgradePerDatabase

? Since the question specifies that you are handling data upgrades, and you need to use validation before upgrading at the database level, the correct choice is OnValidateUpgradePerDatabase. This method ensures that the upgrade process is validated before applying to the entire database, making it more efficient when data affects multiple companies or structures.

DataTransfer method to use: CopyRows

? CopyRows is the appropriate method when you are handling large data transfers between tables, especially in an upgrade scenario where you are migrating or transferring data from one table to another. It copies entire rows of data and is optimal for bulk data operations during upgrades.

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NEW QUESTION 6

- (Topic 2)

You need to call the Issue API action from the mobile application. Which action should you use?

- A. POST/issues (88122e0e-5796-ec11-bb87-000d3a392eb5)Microsoft.NAV.Copy
- B. PATCH /issues {88122 eOe-5796-ed 1 -bb87-000d3a392eb5)/Mkrosotl.NAV.Copy
- C. POST /issues (88122e0e-5796-ec11 -bb87-000d3a392eb5)/Copy
- D. POST /issues (88122e0e-5796-ec11 -bb87-000d3a392eb5)/copy
- E. POST/issues(88122e0e-5796-ec11-bb87-000d3a392eb5)/MicrosoftNAV.Copy

Answer: C

Explanation:

In the context provided by the case study, when calling an API action from a mobile application, the correct format for a POST request to an action in Business Central typically involves specifying the entity (/issues), the ID of the entity (88122e0e-5796-ec11- bb87-000d3a392eb5), and the action to be called (/Copy). The action name should match the exact name as defined in the AL code, which is case-sensitive.

? Option A is incorrect because it uses a non-standard format for the action call.

? Option B uses the PATCH method, which is generally used for update operations, not for calling actions.

? Option C is correct as it uses the POST method, which is appropriate for calling actions, and correctly specifies the entity, ID, and action name.

? Option D is incorrect because the action name /copy is in lowercase, while AL is case-sensitive, and it should match the case exactly as defined in the code.

? Option E incorrectly adds 'MicrosoftNAV' before the action name, which is not standard for calling actions in Business Central APIs.

Hence, the correct action to use when calling the Issue API action from the mobile application is given in Option C.

NEW QUESTION 7

- (Topic 3)

You need to add a property to the Description and Comments fields with corresponding values for the control department manager.

Which property should you add?

- A. Description
- B. Caption
- C. ToolTip
- D. InstructionalText

Answer: C

NEW QUESTION 8

- (Topic 3)

You need to edit the code to meet the formatting requirements on the Subcontract Document List for the control department.

Which formatting should you use?

A.

```
field(Amount; Rec.Amount)
{
    Style = Strong;
    StyleExpr = Rec.Posted = true;
}
```

B.

```
field(Posted; Rec.Posted)
{
    Style = None;
    StyleExpr = Rec.Amount > 0;
}
```

C.

```
field(Amount; Rec.Amount)
{
    Style = None;
    StyleExpr = Rec.Posted = true;
}
```

D.

```
field(Posted; Rec.Posted)
{
    Style = Strong;
    StyleExpr = Rec.Posted = true;
}
```

E.

```
field(Amount; Rec.Amount)
{
    Style = Strong;
    StyleExpr = true;
}
```

Answer: C

NEW QUESTION 9

HOTSPOT - (Topic 4)

You create a table with fields. You observe errors in the code You need to resolve the errors.

```
01 field(1; "Job No."; Code[20])
02 {
03     Caption = 'Job No.';
04 }
05 field(2; Description; text[150])
06 {
07     Caption = 'Description';
08 }
09 field(3; "Sales Amount"; Decimal)
10 {
11     AutoFormatType = 1;
12     CalcFormula = sum("Job Task"."Recognized Sales Amount" where("Job No." = field("No.")));
13     Caption = 'Calc. Recog. Sales Amount';
14     Editable = false;
15 }
16 field(5; "Over Budget"; Boolean)
17 {
18     Caption = 'Over Budget';
19 }

20 field(6; "Project Manager"; Code[50])
21 {
22     Caption = 'Project Manager';
23     TableRelation = "User Setup";
24 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Error resolution

Statement	Yes	No
In line 12, declare "Job Task" as a variable.	<input type="radio"/>	<input type="radio"/>
Add the property FieldClass = FlowField; for field 3.	<input type="radio"/>	<input type="radio"/>
Add the property FieldClass = FlowFilter; for field 3.	<input type="radio"/>	<input type="radio"/>
In line 23, assign the "User Setup" table to a field.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

? In line 12, declare "Job Task" as a variable. = NO

? Add the property FieldClass = FlowField; for field 3. = YES

? Add the property FieldClass = FlowFilter; for field 3. = NO

? In line 23, assign the "User Setup" table to a field. = YES

For "In line 12, declare 'Job Task' as a variable": In the AL code provided, the "Job Task" appears to be part of a CalcFormula of a FlowField, which means it references a table and not a variable. The "Job Task" does not need to be declared as a variable because it is used to reference a table in a CalcFormula

expression.

For "Add the property FieldClass = FlowField; for field 3": The line of code CalcFormula = sum("Job Task"."Recognized Sales Amount" where("Job No." = field("No."))); indicates that this field is calculated from other table data, which is the definition of a FlowField. Therefore, adding the property FieldClass = FlowField; is necessary for the field to function correctly.

For "Add the property FieldClass = FlowFilter; for field 3": FlowFilters are used to filter data based on the value in a flow field. Since field 3 is using a CalcFormula to sum values, it is a FlowField and not a FlowFilter. Therefore, this statement is not correct.

For "In line 23, assign the 'User Setup' table to a field": The line TableRelation = "User Setup"; suggests that the "Project Manager" field has a relation to the "User Setup" table, which is a method of assigning a table to a field to ensure that the values in "Project Manager" correspond to values in the "User Setup" table. Hence, this statement is true.

NEW QUESTION 10

- (Topic 4)

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 set 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 on the review screen.

A company creates a Business Central app and a table named MyTable to store records when sales orders are posted.

Users report the following issues:

- The users receive permission errors related to MyTable.
- Users are no longer able to post sales orders since installing the new app.
- The users cannot access the list page created in MyTable.

You need to resolve the user issues without creating new permission sets. You must use the principle of least privilege.

Solution: Decorate the event subscriber used for inserting data in MyTable by entering (InherentPermissions(PermissionObjectType:TableData.Database:MyTable. 'R'))

Does the solution meet the goal?

- A. Yes
B. No

Answer: A

Explanation:

Using InherentPermissions in an event subscriber with the specified syntax could potentially resolve the permission issues related to MyTable, provided that the permissions specified (in this case, 'R' for Read) align with the minimum necessary for the users to perform their tasks. This approach allows the app to grant permissions dynamically based on the context of the event subscriber, which in this case is involved with inserting data into MyTable. By granting Read permission at the event level, it ensures that users have the necessary permissions to interact with MyTable in the context of the operations facilitated by the event subscriber, without needing to alter existing permission sets or grant broader permissions than necessary. This solution adheres to the principle of least privilege by ensuring that permissions are granted only within the narrow scope needed for specific operations, thereby potentially resolving the reported user issues in a secure and controlled manner.

NEW QUESTION 10

- (Topic 4)

You are customizing Business Central by using Visual Studio Code. You create a project that will extend Business Central. The AL extension contains JSON files, which are automatically generated and are used to store configuration data

For testing purposes, you plan to add the following changes to the files:

- Specify that page 21 must be opened after publishing.
- Enable debugging
- Disable the capability to download the source code You need to add the configurations to the JSON files.

Which two configurations should you add? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Set "startupObjectId": 27 on launchjson.
B. In the "resourceExposurePolicy" tag, set "at low Debugging". true and allowDownloadingSource": false on launchjson.
C. Set "start upObjectId": 27 on appjson.
D. In the "resourceExposurePolicy" tag, set "allowDebugging": true and "allowDown loading Source": true on appjson.
E. In the "resourceExposurePolicy" tag, set "allowDebugging": true and "allowDownloadingSource": false on appjson.

Answer: CE

Explanation:

You are customizing Business Central using Visual Studio Code and JSON files for configuration.

You plan to:

? Open page 21 after publishing.

? Enable debugging.

? Disable the capability to download the source code.

Which configurations should you add?

The options involve two primary JSON files: launch.json and app.json, and configuration tags like startupObjectId and resourceExposurePolicy.

NEW QUESTION 11

DRAG DROP - (Topic 4)

A company is examining Connect apps and Add-on apps for use with Business Central.

You need to describe the development language requirements for Connect apps and Add- on apps.

How should you describe the app language requirements? To answer, move the appropriate app types to the correct descriptions. You may use each app type once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

App types	Connect app and Add-on app descriptions	App type
Add-on app	Developed by using any coding language	
Connect app	Developed by using AL language in Visual Studio Code	

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

? Developed by using any coding language: Connect app

? Developed by using AL language in Visual Studio Code: Add-on app

In Microsoft Dynamics 365 Business Central, there are distinct types of applications that can be developed: Connect apps and Add-on apps. Each has its own development language requirements:

? Connect apps:

? Add-on apps:

The language and environment used for developing these apps are key differentiators between Connect apps and Add-on apps.

NEW QUESTION 14

HOTSPOT - (Topic 4)

A company plans to integrate tests with its build pipelines.

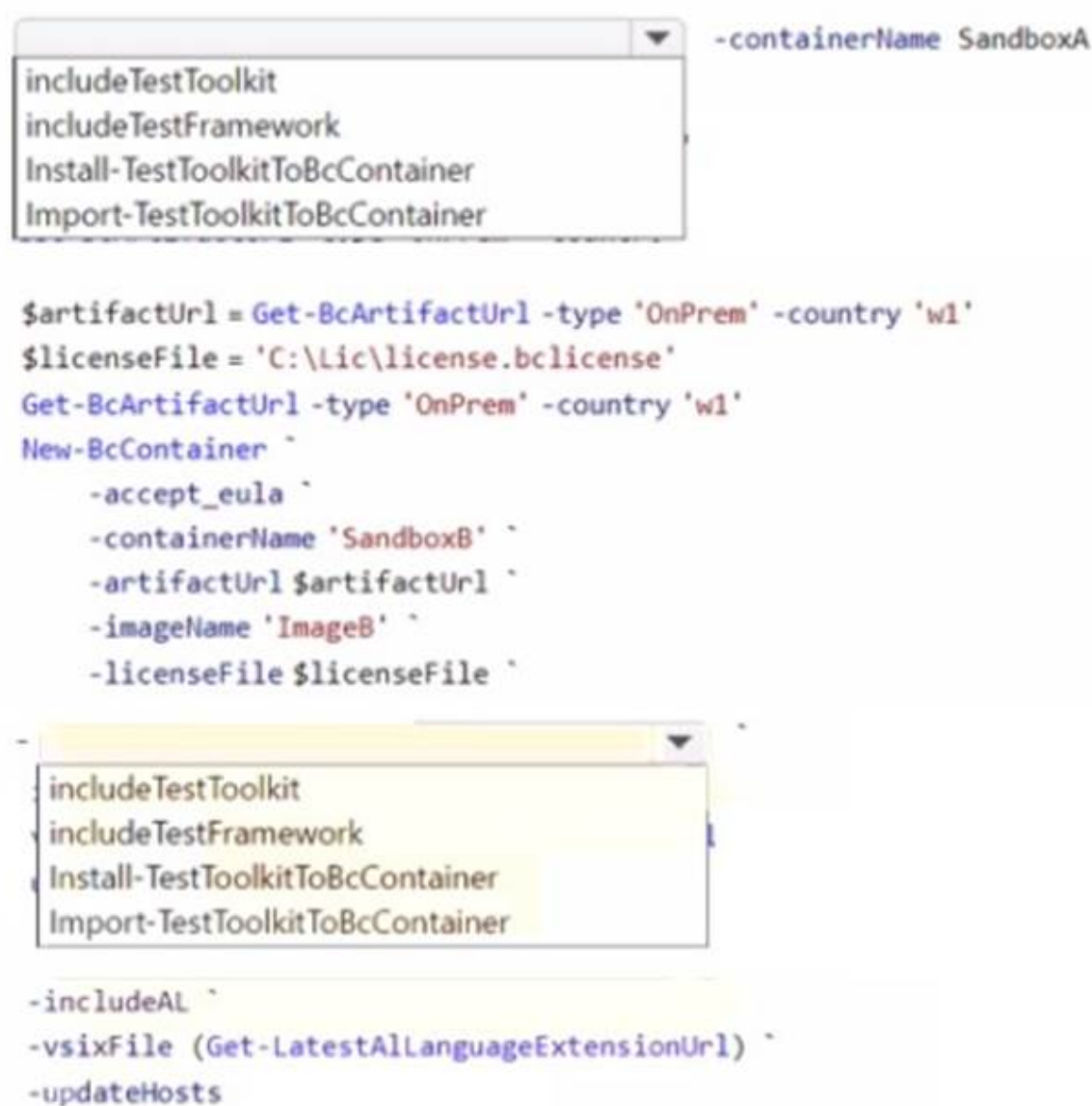
The company has two Docker sandbox environments: SandboxA and SandboxB. You observe the following:

- SandboxA is configured without the Test Toolkit installed.
- SandboxB must be configured from scratch. The Test Toolkit must be installed in SandboxB during configuration.

You need to configure the sandbox environments.

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

Test Toolkit



```

- -containerName SandboxA

includeTestToolkit
includeTestFramework
Install-TestToolkitToBcContainer
Import-TestToolkitToBcContainer

$artifactUrl = Get-BcArtifactUrl -type 'OnPrem' -country 'w1'
$licenseFile = 'C:\Lic\license.bclicense'
Get-BcArtifactUrl -type 'OnPrem' -country 'w1'
New-BcContainer `
    -accept_eula `
    -containerName 'SandboxB' `
    -artifactUrl $artifactUrl `
    -imageName 'ImageB' `
    -licenseFile $licenseFile `

includeTestToolkit
includeTestFramework
Install-TestToolkitToBcContainer
Import-TestToolkitToBcContainer

-includeAL `
-vsixFile (Get-LatestAllLanguageExtensionUrl) `
-updateHosts
  
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Based on the PowerShell script snippet you've provided and the scenario described, you need to configure Docker sandbox environments for a company with specific requirements for Test Toolkit installations.

For SandboxA, since it is configured without the Test Toolkit installed, you would typically use the PowerShell cmdlet Install-TestToolkitToBcContainer to install the Test Toolkit into the Business Central Docker container.

For SandboxB, which must be configured from scratch with the Test Toolkit installed during configuration, you would include the Test Toolkit as part of the New-BcContainer script block that creates the container.

The relevant cmdlets and parameters for SandboxB would include:

? -includeTestToolkit: This parameter ensures that the Test Toolkit is included during the creation of the new container.

Given the limited context from the image, here's how you should complete the cmdlets for SandboxB:

? Add -includeTestToolkit in the New-BcContainer script to ensure the Test Toolkit is installed when creating SandboxB.

? Since you are setting up SandboxB from scratch, you don't need to run Install-TestToolkitToBcContainer separately as the toolkit will be included at the time of container creation with the -includeTestToolkit parameter.

For the New-BcContainer cmdlet, you would fill in the placeholders with the appropriate values for artifactUrl, imageName, and licenseFile if they are required for your specific setup.

NEW QUESTION 17

DRAG DROP - (Topic 4)

You are developing an XMLport to export data from the parent Item table and a related child 'Item Unit of Measure' table. The XMLport configuration must provide the following:

- Link the child table to its parent.
- Display a confirmation message after the XMLport runs. You need to generate the XMLport.

What should you do? To answer, move the appropriate triggers to the correct requirements. You may use each trigger once, more than once, or not at all. You may need

to move the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.



The screenshot shows a configuration window for an XMLport. On the left, under the heading 'Triggers', there is a list of four triggers: 'OnAfterGetRecord', 'OnBeforeGetRecord', 'OnPostXmlPort', and 'OnPreXmlItem'. In the center, there is a vertical line with a split bar and four circular handles. On the right, under the heading 'XMLport trigger', there are two requirements: 'Trigger to link the child table to its parent' and 'Trigger to display a confirmation message after the XmlPort runs'. To the right of these requirements is a 'Trigger' column with two empty boxes for dragging the triggers.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To meet the XMLport configuration requirements:

? Link the child table to its parent: Use the OnAfterGetRecord trigger.

? Display a confirmation message after the XMLport runs: Use the OnPostXMLPort trigger.

In Business Central, when you are developing an XMLport for data export, triggers are used to perform actions at different stages of the XMLport's operation:

? OnAfterGetRecord Trigger: This trigger fires after a record is retrieved from the

database but before it is processed for output in the XMLport. It is the ideal place to link child table records to their parent because you have access to the current record that can be used to set filters or modify data in the child table before it is written to the XML file.

? OnPostXMLPort Trigger: This trigger fires after the XMLport has finished

processing all records. It is the correct place to display a confirmation message because it ensures that the message will appear after the entire XMLport operation is complete. Here, you can use application-specific functions to show the message, such as MESSAGE function in AL code.

By placing the appropriate triggers in these positions, you can ensure that the XMLport will link the child records to their parent records during the data export process and will notify the user with a confirmation message once the operation is successfully completed.

NEW QUESTION 18

- (Topic 4)

You are creating an entitlement object in Business Central to enable transactability for AppSource apps.

You must map the entitlement object to a plan in Partner Center.

You need to select the value of the Type property to use in the entitlement object. Which value should you use?

- A. PerUserServicePlan
- B. Implicit
- C. Unlicensed
- D. Role

Answer: A

Explanation:

In Business Central, when creating an entitlement object to enable transactability for AppSource apps and mapping it to a plan in Partner Center, the Type property of the entitlement object should be set to PerUserServicePlan (A). The PerUserServicePlan type is used to define an entitlement that is based on a service plan, which is typically how transactability features are managed for apps distributed through AppSource. This type of entitlement allows for the mapping of specific features or capabilities of the app to a service plan in Partner Center, enabling granular control over what users are entitled to use based on their subscription. The other values, such as Implicit (B), Unlicensed (C), and Role (D), are used in different contexts and do not apply to the scenario of mapping an entitlement object to a plan for AppSource apps.

NEW QUESTION 21

- (Topic 4)

You plan to write unit test functions to test newly developed functionality in an app. You must create a test codeunit to write the functions.

You need to select the property to use for the test codeunit.

Which property should you use to ensure that the requirements are fulfilled?

- A. SubType
- B. Access
- C. Description

Answer: A

Explanation:

When creating a test codeunit in Microsoft Dynamics 365 Business Central to write unit test functions, the SubType property (A) of the codeunit should be set to Test. This property is crucial for defining the codeunit's purpose and behavior within the application. By setting the SubType property to Test, you are indicating that the codeunit contains test functions intended to validate the functionality of other parts of the application, such as customizations or new developments. This distinction ensures that the testing framework within Business Central recognizes the codeunit as a container for test functions, allowing it to execute these functions in a testing context, which can include setting up test data, running the tests, and cleaning up after the tests have completed.

NEW QUESTION 24

DRAG DROP - (Topic 4)

You develop a table named Contoso Setup and a page.

You plan to use No. Series to automatically assign a unique number to data entries. You set up No. Series on the Vendor Nos. field of the Contoso Setup table.

You need to apply the No. Series Design Pattern to the trigger OnInsert().

Which four code segments should you use to develop the solution? To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.

Code Blocks

```
if "No." <> '' then begin
```

```
NoSeriesManagement.InitSeries(ContosoSetup."No. Series",  
xRec."Vendor Nos.", 0D, "No.", "No. Series");  
end;
```

```
ContosoSetup.SetRange(ContosoSetup."Vendor Nos.", xRec."No.  
Series");
```

```
if "No." = '' then begin
```

```
ContosoSetup.TestField("Vendor Nos.");
```

```
NoSeriesManagement.InitSeries(ContosoSetup."Vendor Nos.",  
xRec."No. Series", 0D, "No.", "No. Series");  
end;
```

```
ContosoSetup.Get();
```

Trigger design pattern

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To properly apply the No. Series Design Pattern in the OnInsert() trigger, the correct sequence of actions should be as follows:

? ContosoSetup.Get();

? if "No." = "" then begin

? NoSeriesManagement.InitSeries(ContosoSetup."Vendor Nos.", "No. Series", 0D, "No.", "No. Series");

? ContosoSetup.TestField("Vendor Nos.");

Correct Order for Code Segments:

? ContosoSetup.Get();

? if "No." = "" then begin

? NoSeriesManagement.InitSeries(ContosoSetup."Vendor Nos.", "No. Series", 0D, "No.", "No. Series");

? ContosoSetup.TestField("Vendor Nos.");

NEW QUESTION 27

- (Topic 4)

You plan to call a web service by using the data type HttpClient from a Business Central AL extension

You must provide the following implementation for the web service call:

- The web service must authenticate the client with a certificate.
- The certificate must include a password.
- The password must be hidden when you debug the code

You need to include the certificate in the web service call. Which instruction should you use?

- A. HttpClient.AddCertificate(certifcate: Text, Password: Text);
- B. HttpClient.AddCertificate(Certifkate: SecretText, Password: SecretText);
- C. HttpClient.Addeertificate(Certifcate: Blob, Password: secretText);
- D. HttpClient.AddCertificate(Password: SecreTiext);

Answer: B

Explanation:

ou plan to call a web service using HttpClient from a Business Central AL extension. The web service must authenticate using a certificate that includes a password, and the password must be hidden during debugging.

Options Explanation:

? The question asks for the correct implementation where the certificate and password are provided and where the password is hidden when debugging.

? SecretText is a special data type in Business Central that hides sensitive data (like passwords) during debugging.

NEW QUESTION 30

- (Topic 4)

You have an XMLport that exports items from a database to an XML file. You need to change the export format from XML to CSV.

What should you do?

- A. Change the Direction property to Both
- B. Change the FormatEvaluate property to Legacy.
- C. Change the XmlVeisionNo property to 1.1.

- D. Fill the FileName property with the Items.csv value.
- E. Change the Format property to VariableText.

Answer: E

Explanation:

XMLport OverviewIn Microsoft Dynamics 365 Business Central, XMLports are used for importing and exporting data in XML, CSV, or other text formats. By default, XMLports are designed to work with XML data, but they can also handle delimited text formats like CSV (Comma-Separated Values).
Requirement ClarificationThe requirement is to change the export format from XML to CSV. CSV is a text-based format, not an XML format. To accommodate this, you need to change how the XMLport handles data during export.

Properties of XMLport

? The Format property in XMLports controls whether the output format is XML or a text-based format such as CSV.

? The VariableText option of the Format property specifies that the data should be exported in a variable text format, like CSV.

? The XMLports default to an XML format, but by setting the Format property to VariableText, you can change the export to CSV format or another text-delimited format.

Explanation of Correct Answer (E)To switch from XML to CSV export:

? You need to change the Format property of the XMLport to VariableText.

? The VariableText option allows for the export of data in a non-XML format, which is precisely what CSV represents (a comma-delimited text file).

Why Other Options Are Incorrect

? Option A (Change the Direction property to Both):The Direction property controls whether the XMLport is used for Import, Export, or Both (import and export), but it does not affect the file format (XML vs. CSV). Hence, this is irrelevant to the file format change.

? Option B (Change the FormatEvaluate property to Legacy):The FormatEvaluate property is not related to changing the export format. It deals with the evaluation of the data format during the processing but doesn't change the format type (XML or CSV).

? Option C (Change the XmlVeisionNo property to 1.1):The XmlVersionNo property defines the XML version used for the export (such as 1.0 or 1.1). This only applies to XML exports and does not change the format to CSV.

? Option D (Fill the FileName property with Items.csv):While this option would specify the name of the file being exported (i.e., "Items.csv"), it doesn't control the format of the export itself. The actual format change is controlled by the Format property.

Developer Reference from Microsoft DocumentationAccording to the official Microsoft documentation for XMLports in Business Central, the Format property is critical for determining how data is structured for export. To change the file format from XML to CSV, developers need to set the Format property to VariableText. This allows for export in a text-delimited format, which is ideal for CSV.

? XMLport Properties - Format Property

? How to: Export Data in Text Format Using XMLports

NEW QUESTION 35

- (Topic 4)

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.

A company plans to optimize its permission sets. The company has the following permission sets:

You need to provide the following implementation for a third permission set:

Permission Set A	Permission Set B
Permissions = tabledata Job = RIMD;	Permissions = tabledata Job = IMD;

- Create a new Permission Set C that is a composite of Permission Set A and Permission Set B.
- Assign Permission Set C to a user.

You need to ensure that the user has only read access to the Job table.

Solution: Set the IncludedPermissionSets property to Permission Set A and the Excluded PermissionSets property to Permission SetB.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 36

HOTSPOT - (Topic 4)

You create a 'Contoso Post' procedure to send an http POST request in JSON format. You publish the procedure to your environment.

You write the following procedure code:


```
01 procedure ContosoPost(RequestText: Text; var ResponseText : Text; Token: Text)
02 var
03     Content: HttpContent;
04     Headers: HttpHeaders;
05     Client: HttpClient;
06     ResponseMessage: HttpResponseMessage;
07 begin
08     Client.Clear();
09     Content.Clear();
10     Content.WriteFrom(RequestText);
11     Content.GetHeaders(Headers);
12     Headers.Clear();
13     Headers.Add('Content-Type', 'text/plain');
14     Headers.Add('Authorization', 'Bearer ' + Token);
15     if Client.Post('https://contoso.com/api', Content, ResponseMessage) then
16         Content.ReadAs(ResponseText);
17 end;
```

The procedure does not work as expected.
You need to find and fix all errors in HTTP class usage.
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Locate code errors			
Statement		Yes	No
Replace line 16 with ResponseText := ResponseMessage		<input type="radio"/>	<input type="radio"/>
In line 13, change the 'text/plain' value to 'application/json'		<input type="radio"/>	<input type="radio"/>
Replace line 14 with Client.DefaultRequestHeaders.Add('Authorization', 'Bearer ' + Token);		<input type="radio"/>	<input type="radio"/>
In line 10, replace WriteFrom with ReadAs		<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Statements:
? Replace line 16 with ResponseText := ResponseMessage
? In line 13, change the 'text/plain' value to 'application/json'
? Replace line 14 with Client.DefaultRequestHeaders.Add('Authorization', 'Bearer ' + Token);
? In line 10, replace WriteFrom with ReadAs

NEW QUESTION 38

- (Topic 4)
A company plans to set up a local Business Central Development Docker container. The environment will be used for testing new project ideas. You need to ensure that the most recent Business Central artifact URL has been selected. Which command should you use?

- A. Get-BcArtifactUrl -type sandbox -select Current
- B. Get-BcArtifactUrl -type sandbox -select Closest
- C. Get-BcArtifactUrl -type sandbox -select NextMinor
- D. Get-BcArtifactUrl -type sandbox -select NextMajor

Answer: A

Explanation:
To ensure the most recent Business Central artifact URL is selected for setting up a local Business Central Development Docker container, the command to use is Get-BcArtifactUrl -type sandbox -select Current (A). This PowerShell command retrieves the URL for the latest available Business Central artifact for a sandbox environment, ensuring that the Docker container is set up with the most up-to-date version for testing new project ideas. The -select Current parameter is crucial as it specifies that the current, or latest, version of the artifact is to be retrieved, as opposed to selecting a version based on other criteria such as Closest, NextMinor, or NextMajor.

NEW QUESTION 43

DRAG DROP - (Topic 4)

A company plans to deploy Business Central.

The company has the following deployment requirements:

- Use the company hardware architecture to run the deployment.
- Use sandbox environments to develop extensions.
- Allow tenants to connect to Shopify with the standard connector.
- Use Microsoft Power Automate to create a workflow that calls a business event. You need to identify the deployment type for each requirement.

Which deployment types should you use? To answer, move the appropriate deployment types to the correct requirements. You may use each deployment type once, more than once, or not at all.

Deployment types	Deployment requirements	Deployment type
On-premises	Requirement	
	Run on the company hardware.	
	Use sandbox environments for extensions.	
	Allow connection to Shopify.	
	Create a workflow.	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

? Use the company hardware architecture to run the deployment: On-premises

? Use sandbox environments to develop extensions: Online

? Allow tenants to connect to Shopify with the standard connector: Online

? Use Microsoft Power Automate to create a workflow that calls a business event: Online

When deploying Microsoft Dynamics 365 Business Central, there are two main deployment types to consider: On-premises and Online.

? On-premises Deployment:

? Online Deployment:

Therefore, each requirement aligns with the deployment types as indicated above.

NEW QUESTION 47

- (Topic 4)

You have a custom app.

A warning for the rule code named AAOXYZ appears in multiple app objects.

You need to change the severity of the rule from Warning to Info for only the current app. Which three actions should you perform? Each correct answer presents part of the solution. Choose three.

NOTE: Each correct selection is worth one point.

- A. Add the following ruleset object to the ruleset.json file:
- ```
{
 "id": "AA0XYZ",
 "action": " Info" }
To the "rules" array.
```

- B. Open the Visual Studio Code user settings.json file.  
C. Open the Visual Studio Code project settings.json file.  
D. Add the following ruleset object to the ruleset.json file:

```
{
 "id": "AA0XYZ",
 "action": "Hidden" }
To the "rules" array.
```

- E. Change the "al.enableCodeAnalysis" property value to "false".  
F. Add the "al.ruleSetPath" property with a path to the ruleset.json file.

**Answer:** BF

### NEW QUESTION 48

DRAG DROP - (Topic 4)

A company is implementing Business Central.

In the per-tenant extension, TableA Header and TableA Line are document tables, and TableB Header and TableB Line are document history tables.

The company requires that the resulting dataset of query objects contain the following records:

- All records from TableA Header even if no matching record value exists in the linked TableA Line
- Records from TableB Header where a match is found in the linked TableB Line field

You need to configure the linked data item to generate the required dataset. Which SqlJoinType should you use? To answer, move the appropriate SqlJoinTypes to the correct dataset requirements. You may use each SqlJoinType once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

| SqlJoinTypes              | Link data items | Dataset requirement                              | SqlJoinType |
|---------------------------|-----------------|--------------------------------------------------|-------------|
| <div>CrossJoin</div>      |                 | Include all records from TableA Header.          | <div></div> |
| <div>InnerJoin</div>      |                 | Include only matched records from TableB Header. | <div></div> |
| <div>LeftOuterJoin</div>  |                 |                                                  |             |
| <div>RightOuterJoin</div> |                 |                                                  |             |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

? Include all records from TableA Header even if no matching record value exists in the linked TableA Line: LeftOuterJoin  
? Include only matched records from TableB Header: InnerJoin  
In SQL and similarly in Business Central when defining table relationships in query objects, the type of join determines how records from one table are combined with records from another table. Here's what each join type means in the context of the company's requirements:  
? LeftOuterJoin:  
? InnerJoin:  
By using these join types, the company can ensure that their dataset includes the appropriate records from the document tables and document history tables according to their specified requirements.

NEW QUESTION 49

- (Topic 4)  
You need to allow debugging in an extension to view the source code. In which file should you specify the value of the allowDebugging property?

- A. settings.json
- B. rad.json
- C. app.json
- D. launchjson

Answer: C

Explanation:

To enable debugging in an extension and allow the source code to be viewed, the allowDebugging property should be specified in the app.json file (C). The app.json file serves as the manifest for an AL project in Microsoft Dynamics 365 Business Central, defining the project's properties, dependencies, and features. By setting the allowDebugging property to true in this file, developers enable the debugging of the extension's source code, facilitating troubleshooting and development. This is essential for analyzing the behavior of the extension and identifying issues during the development process.

NEW QUESTION 51

HOTSPOT - (Topic 4)  
A company uses Azure Application Insights for Business Central online in its production environment.  
A user observes that some job queues go into the failed state and require manual intervention.  
You need to analyze job queue lifecycle telemetry.  
How should you complete the code segment? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Kusto Query Language (KQL) job queue analysis code segment

```
traces
| take 100
| where customDimensions.eventId == 'YOUREVENTID'
| project timestamp
, jobQueueObjectId = customDimensions.alJobQueueObjectId
, jobQueueObjectType = customDimensions.alJobQueueObjectType
, jobQueueExecutionNumberOfAttemptsToRun
customDimensions.alJobQueueNumberOfAttemptsToRun
```

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:  
KQL Code Segment:  
? First command (traces):  
? Command for selecting fields:

NEW QUESTION 54

- (Topic 4)  
You create a Business Central report.  
You need to insert values on the Request page to be saved for the next time the report is run.  
What should you do?

- A. Set the Transact! on Type property to Update.  
B. Declare a Savevalues' variable and assign it to true on the OnOpenPage () trigger.  
C. Set the Use Request Page property to true.  
D. Set the SaveValues property to true.

Answer: B

Explanation:  
To ensure that the values inserted on the Request page of a Business Central report are saved for the next time the report is run, the SaveValues property (D) should be set to true. This property is available on the Request page of the report and, when set to true, allows the system to remember the values entered by the user, so they do not have to re-enter them each time they run the report. This feature enhances user experience by reducing repetitive data entry and ensuring consistency in report parameters across multiple executions. The other options mentioned, such as setting the Transaction Type property to Update (A) or declaring a Savevalues variable in the OnOpenPage trigger (B), are not directly related to saving user input on a report's Request page.

NEW QUESTION 59

DRAG DROP - (Topic 4)  
You plan to run a debug for a client.  
You extend the Standard Sales - Invoice report to add a new requirement.  
You create a Report Extension 'Ext Standard Sales - Invoice' with ID = 50100 and add the following lines of code. (Line numbers are included for reference only.)

```
01 modify(VATAmountLine)
02 {
03 trigger OnAfterAfterGetRecord()
04 begin

05 NewTotalVATBaseLCY += GetBaseLCY(Header."Posting Date", Header."Currency Code", Header."Currency Factor");
06 NewTotalVATAmountLCY += GetAmountLCY(Header."Posting Date", Header."Currency Code", Header."Currency Factor");
07 end;
08 }
```

The client informs you that the value of the New Total VATBaseLCY column is incorrect. You need to run a debug to identify the cause.  
Which four 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

- In Visual Studio Code, locate the Ext Standard Sales - Invoice report extension from your application.
- Comment line 05.
- On the Ext Standard Sales - Invoice report extension, search where the NewTotalVATBaseLCY variable is being calculated and set a breakpoint on the line.
- In Visual Studio Code, navigate through the Base Application to locate the Standard Sales - Invoice report.
- Use the step-over functionality.
- Start debugging.
- Use the step-into functionality.

Extension debugging process

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:



Here??s the process to follow in the correct sequence:

- ? In Visual Studio Code, locate the Ext Standard Sales - Invoice report extension from your application.
- ? Search where the NewTotalVATBaseLCY variable is being calculated and set a breakpoint on the line.
- ? Start debugging.
- ? Use the step-over functionality.

NEW QUESTION 64

- (Topic 4)

A company plans to meet new regulatory requirements. The regulator has issued new tax tiers. You need to update the base application table by using a table extension. Which table field property can you change?

- A. CalcFormula
- B. DecimalPlaces
- C. BlankZero
- D. AutoFormatType

Answer: C

Explanation:

When updating the base application table using a table extension in Microsoft Dynamics 365 Business Central, certain properties of table fields can be modified to meet new requirements, such as regulatory changes. The DecimalPlaces property (B) is one such property that can be adjusted in a table extension. This property determines the number of decimal places that are displayed and stored for decimal fields in the table. Adjusting the DecimalPlaces property can be particularly useful when dealing with financial data and tax calculations that require precision to meet new tax tiers set by a regulator. It's important to note that not all properties can be modified in a table extension; for example, the CalcFormula property (A) cannot be changed as it affects how the field's value is calculated, which could have significant implications on the base application's logic.

NEW QUESTION 68

DRAG DROP - (Topic 4)

A company has the following custom permission set:

```
permissionset 50000 "Sales Person Permission Set"
{
 Assignable = false;
 Caption = 'Sales Person Permission Set';

 Permissions =
 tabledata Customer = RIMD,
 tabledata "Payment Terms" = RMD,
 tabledata Currency = RM,
 tabledata "Sales Header" = RIM,
 tabledata "Sales Line" = RIMD;
}
```

You need to make the permission set visible on the Permission Sets page. 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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

Publish the app with permission set to an environment.

Add the page "Permission Sets" = X value to the Permissions property.

Add the ObsoleteState = No property.

Add the IncludedPermissionSets = SUPER property.

Rename the permission set object to "Sales Person".

Remove the Assignable = false property.

Add the tabledata "Expanded Permission" = RIMD value to the Permissions property.

Change the Assignable property value to true.

Process for making permission sets visible

>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To make the permission set visible on the Permission Sets page, perform the following actions in sequence:

? Change the Assignable property value to true.

? Add the ObsoleteState = No property.

? Publish the app with the permission set to an environment.

Process for making permission sets visible: In Business Central, the Assignable property determines whether a permission set is shown in the user interface for assigning to users. By default, if Assignable is set to false, the permission set is hidden. Therefore, it should be set to true to make the permission set visible.

The ObsoleteState property indicates whether an object is outdated (Obsolete) or not (No). If an object is marked as obsolete, it is typically hidden from the user interface. Therefore, setting ObsoleteState = No ensures that the permission set is not treated as outdated and remains visible.

Finally, publishing the app with the permission set to an environment updates the environment with the new or modified objects, including permission sets, making them available for assignment to users.

## NEW QUESTION 69

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