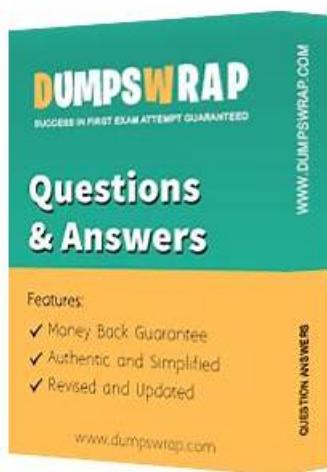


# Why to trend for Microsoft MB-820 pdf dumps before actual exam



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## Microsoft MB-820 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Develop by using AL objects: Building and extending tables and reports is discussed in this topic. It also explains Designing and creating an XMLport. Lastly, it discusses how to work with entitlement and permission set objects.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>Work with development tools: Implementing semi-automated test processes and managing and assessing telemetry are its sub-topics.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>Integrate Business Central with other applications: Accessing Representational State Transfer (REST) services is discussed in this topic. It also explains implementation of APIs.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Install, develop, and deploy for Business Central: It delves into the installation and configuration of a Business Central development environment. Moreover, it discusses creating, debugging, and deploying an extension in Business Central.</li> </ul>

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## Microsoft Dynamics 365 Business Central Developer Sample Questions (Q28-Q33):

### NEW QUESTION # 28

You need to configure telemetry for the SaaS tenant and test whether the ingested signals are displayed.

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**

Select the Application Insights instance, select Logs and then inspect the Traces table.

Select the environment in the Admin Center and place the connection string in the Application Insights Connection String field.

Create an Azure Application Insights instance by using the Azure Portal in the Partner's subscription.

Create an Azure Application Insights instance by using the Azure Portal in the Customer's subscription.

Select the Application Insights instance, select Events, and then inspect the Traces table.

Select the environment and then select the Connection String.

**Steps to configure telemetry**

Microsoft

### Answer:

Explanation:

#### Answer Area

Create an Azure Application Insights instance by using...

Select the environment in the Admin Center...

Select the Application Insights instance, select Logs...

1 - Create an Azure Application Insights instance by using...

2 - Select the environment in the Admin Center...

3 - Select the Application Insights instance, select Logs...

Topic 1, Contoso, Ltd.

#### Overview

Contoso, Ltd. Is a sales company in the manufacturing industry. It has subsidiaries in multiple countries/regions, each with its own localization. The subsidiaries must be data-independent from each other. Contoso. Ltd. uses an external business partner to manage the subcontracting of some manufacturing items. Contoso. Ltd. has different sectors with data security between sectors required. Contoso, Ltd. uses Business Central online as the main ERP for financial, sales, purchase, warehouse, and manufacturing processes. It has employees that use the Business Central web application and external applications. The company has a custom external mobile

app under development. The IT department and its partners installed custom extensions to satisfy the company's requirements where the functionality is not available natively.

Contoso, Ltd. interacts with external services provided by customers and partners. Different applications interact with SOAP and OData endpoints exposed from Business Central.

An external business partner of Contoso, Ltd exposed a REST API for receiving details about new subcontracting orders and for sending the planned release date of each subcontracting order received.

Contoso, Ltd. has not activated the monitoring of the tenant and has no internal telemetry for its apps.

Custom reporting must be created to meet the requirements of the different departments.

Contoso, Ltd. has the following tenant management considerations:

IT department

- \* The IT department requires the ability to monitor the tenant to prevent performance problems and detect possible anomalies.
- \* The IT department plans to use Azure Application Insights and Log Analytics to inspect the ingested telemetry signals.
- \* All tenant upgrades are automatically handled by Microsoft. The IT department does not check for update availability or for tenant-related notifications.

\* The IT department has not configured the receipt of tenant-related notifications from the Business Central admin center.

External business partner

- \* The external business partner must add custom telemetry to an application created for Contoso, Ltd. to monitor a business process.

\* Custom telemetry signals for the application must be visible only on the partner's telemetry.

SOAP

- \* Contoso, Ltd. plans to dismiss using the SOAP protocol for integrations.
- \* Contoso, Ltd. must be able to detect if external applications are using its Business Central SOAP endpoints.

Issue

The Business Central tenant is upgraded by Microsoft to a new major version during the night.

Users report that one of the Contoso, Ltd. extensions disappeared from the tenant. The IT department confirms that the extension is still published.

Contoso, Ltd. plans to create a custom mobile application that has the following requirements:

- \* The app must be used by employees to check item details from the ERP in real time and to report issues that occur during the manufacturing process.
- \* An AL extension must be created for handling archived issues.
- \* Business Central development guidelines must be followed when implementing modules.
- \* A module must be implemented for the reporting and tracking of issues information. You plan to call this module Issue Management. The module must expose a method named Postlude.
- \* Code modifications will be required over time.
- \* The Issue Management process must be split into two extensions:

o ISSUE BASE: main extension

o ISSUE EXT: second extension with dependency from ISSUE BASE

\* In the version 1.0.0.0 of the ISSUE BASE extension, you plan to create an Issue table that contains a global Decimal variable named Issue Total.

\* In the version 1.0.0.0 of the ISSUE BASE extension, you plan to define a table named Issue Category with a Description field defined as follows:

field (2; Description; Text[SG])

{

DataClassification \* CustoaeContent;

>

\* The Issue table defined in ISSUE BASE extension contains a Clone procedure defined as follows:

procedure Corte () begin end;

\* In the ISSUE EXT extension, you create a table extension object of the Issue table.

\* The table extension object of the Issue table must access the Issue Total: Decimal variable.

After weeks of usage, you discover that you must remove the Description field and the Clone procedure because they are no longer required.

In a new version of the ISSUE BASE extension, you create a new Issue Type table. You must move data row by row from a previously obsolete Issue Category table to the new Issue Type table. Because a large amount of data must be moved, you must write an Upgrade codeunit by using the DataTransfer object.

The IT department creates a custom API for exposing the custom Issue table. The API provides an action for copying an issue to a new table. The action is defined as follows:

(Service Enabled)

procedure Copy (vary action Context: WebServiceActionContext)

begin

end;

Contoso, Ltd. must create an API in Business Central to expose item details to the mobile application.

\* The API must have the lowest possible impact on the production environment when used during working hours.

\* The API must only support Get operations.

A user of the ISSUE BASE extension in Business Central reports a problem

To debug the problem, snapshot debugging with the following configuration was activated:

```
"configurations": [
  {
    "name": "snapshotInitialize: Microsoft production cloud",
    "type": "al",
    "request": "snapshotInitialize",
    "environmentType": "Production",
    "environmentName": "production",
    "breakOnNext": "WebClient",
    "executionContext": "DebugAndProfile",
    "userId": "YOURUSERNAME"
  }
]
```

You discover that the debugging is not triggering.

Contoso, Ltd. must connect Business Central to the external API provided by the business partner. This will be used for the partner to send the details of new subcontracting orders to fulfill the sales demand, and for receiving the planned release date of each order sent. The integration requirements are as follows:

\* The business partner will provide a REST API secured with basic authentication. Credentials to access the API will be shared with Contoso, Ltd.

\* The API for sending subcontracting orders must be called by sending an authenticated POST request to the given endpoint.

\* The API for retrieving the order no. and planned release date of each subcontracting order responds with the following JSON:



```
{
  "status": "OK",
  "num_results": 110,
  "results": [
    {
      "order_no": "SO0230034",
      "customer_name": "Contoso Ltd.",
      "planned_release_date": "2023-12-13",
      "updated_date": "2023-10-20"
    }
  ]
}
```

Each order no. must be retrieved.

## NEW QUESTION # 29

A company uses Business Central. The company has branches in different cities.

A worker reports that each time they generate a daily summary report they get an error message that they do not have permissions.



```
15 Local procedure GetLogisticsCharge() LogisticsCharge: Decimal;
16  Var
17    LogisticsSetup: Record "Logistics Setup";
18  begin
19    LogisticsSetup.Get();
20    LogisticsCharge := LogisticsSetup."Logistics Charge";
21  end;
```

You need to resolve the issue.

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

NOTE: Each correct selection is worth one point.

Statement	Yes	No
Configure [InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'x', InherentPermissionsScope::Both)] above line 15.	<input type="radio"/>	<input type="radio"/>
Configure [InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'R', InherentPermissionsScope::Permissions)] above line 15.	<input type="radio"/>	<input type="radio"/>
Configure [InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'x', InherentPermissionsScope::Both)] above line 15.	<input type="radio"/>	<input type="radio"/>
Configure [InherentPermissions(PermissionObjectType::Table, Database::"Logistics	<input type="radio"/>	<input type="radio"/>

## Answer:

Explanation:

Method attributes		Microsoft	
Statement		Yes	No
Configure [InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'x', InherentPermissionsScope::Both)] above line 15.	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Configure [InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'r', InherentPermissionsScope::Permissions)] above line 15.	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Configure [InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'X', InherentPermissionsScope::Permissions)] above line 15.	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Explanation:

Method attributes		Microsoft	
Statement		Yes	No
Configure [InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'x', InherentPermissionsScope::Both)] above line 15.	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Configure [InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'r', InherentPermissionsScope::Permissions)] above line 15.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configure [InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'r', InherentPermissionsScope::Both)] above line 15.	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Configure [InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'X', InherentPermissionsScope::Permissions)] above line 15.	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### NEW QUESTION # 30

A company uses a Vendor-List report from the Base Application.

The company has new requirements that cannot be met by extending the Vendor - List report.

You create a new report named My Customized Vendor - List.

You need to replace the Vendor - List report with My Customized Vendor - List.

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.

```
codeunit 50100 "Substitute Report"
{
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Distribution Management, "OnAfterSubstituteReport", ', "", false, false)]
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Distribution Management, "OnAfterSubstituteReport", 'OnAfterSubstituteReport)]
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Management, "OnSelectReportLayout", "OnSelectReportLayout")]
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Selection Mgt, "OnAfterDocumentReady", "OnAfterDocumentReady")]

    local procedure OnSubstituteReport(ReportId: Integer; var NewReportId: Integer)
    begin
        if ReportId = Report::"Vendor - List" then
            NewReportId := Report::"My Customized Vendor - List";
    end;
}
```

Answer:

Explanation:

```
codeunit 50100 "Substitute Report"
{
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Distribution Management, "OnAfterSubstituteReport", ', "", false, false)]
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Distribution Management, "OnAfterSubstituteReport", "OnAfterSubstituteReport")]
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Management, "OnSelectReportLayout", "OnSelectReportLayout")]
    [EventSubscriber(ObjectType::Codeunit, Codeunit::Report Selection Mgt, "OnAfterDocumentReady", "OnAfterDocumentReady")]

    local procedure OnSubstituteReport(ReportId: Integer; var NewReportId: Integer)
    begin
        if ReportId = Report::"Vendor - List" then
            NewReportId := Report::"My Customized Vendor - List";
    end;
}
```

### NEW QUESTION # 31

A company has a page named New Job Status connected to a source table named Job. The page has an action named Item Ledger Entries. The company requires the following changes to the page:

- \* Filter the page to display only jobs with open or quote status.
- \* Add the following comment for internal use: This page does not include completed jobs.
- \* Item Ledger Entries action must open the selected job on the page and display it in the UI for users to modify.

You need to select the property selections to use for each requirement.

Which property selections should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Page modifications

Requirement	Property selection
Display status of open or quote.	SourceTableView = sorting(Status) order(ascending) SourceTableView = where(Status = filter(Open   Quote   Planning)); SourceTableView = where(Status = filter(Open   Quote));  Description = 'This page does not include completed jobs'; ToolTip = 'This page does not include completed jobs';
Add a comment for internal use.	
Action must open selected job on the page.	RunPageLink = "Job No." = FIELD("No."); RunPageView = "Job No." = FIELD("No.");

Answer:

Explanation:

Page modifications

Requirement	Property selection
Display status of open or quote.	SourceTableView = sorting(Status) order(ascending) SourceTableView = where(Status = filter(Open   Quote   Planning)); SourceTableView = where(Status = filter(Open   Quote));  Description = 'This page does not include completed jobs'; ToolTip = 'This page does not include completed jobs';
Add a comment for internal use.	
Action must open selected job on the page.	RunPageLink = "Job No." = FIELD("No."); RunPageView = "Job No." = FIELD("No.");

Explanation:

Page modifications

Requirement	Property selection
Display status of open or quote.	SourceTableView = sorting(Status) order(ascending) SourceTableView = where(Status = filter(Open   Quote   Planning)); SourceTableView = where(Status = filter(Open   Quote));
Add a comment for internal use.	Description = 'This page does not include completed jobs'; ToolTip = 'This page does not include completed jobs';
Action must open selected job on the page.	RunPageLink = "Job No." = FIELD("No."); RunPageView = "Job No." = FIELD("No.");

### NEW QUESTION # 32

You create an 'AddItemsToJson" procedure and publish it.

```

01  procedure AddItemsToJson() RequestText: Text
02  var
03      Item: Record Item;
04      ItemObject: JsonObject;
05      ItemsArray: JSONArray;
06  begin
07      Clear(ItemsArray);
08      Clear(ItemObject);
09      If Item.FindSet() then begin
10          repeat
11              ItemObject.Add('No', Item."No.");
12              ItemObject.Add('Description', Item.Description);
13              ItemsArray.Add(ItemObject);
14          until Item.Next() = 0;
15          ItemsArray.WriteTo(RequestText);
16      end;
17  end;

```



The procedure fails to run.

You need to fix the errors in the code.

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

JSON file processing

Statement	Yes	No
In line 13, replace the Add method with Insert.	<input type="radio"/>	<input type="radio"/>
In line 15, replace the WriteTo method with ReadFrom.	<input type="radio"/>	<input type="radio"/>
Change the ItemObject variable type from JsonObject to JsonToken.	<input type="radio"/>	<input type="radio"/>
Move line 08 in the beginning of REPEAT..UNTIL.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Explanation:

Statement	Yes	No
In line 13, replace the Add method with Insert.	<input type="radio"/>	<input type="radio"/>
In line 15, replace the WriteTo method with ReadFrom.	<input type="radio"/>	<input type="radio"/>
Change the ItemObject variable type from JsonObject to JsonToken.	<input type="radio"/>	<input type="radio"/>
Move line 08 in the beginning of REPEAT..UNTIL.	<input type="radio"/>	<input type="radio"/>

Explanation:

- \* In line 13, replace the Add method with Insert. = NO
- \* In line 15, replace the WriteTo method with ReadFrom = NO
- \* Change the ItemObject variable type from JsonObject to JsonToken. = NO
- \* Move line 08 in the beginning of REPEAT .. UNTIL. = YES

The provided code is intended to serialize a list of items from the Item table into a JSON array format. Here is a breakdown of the code and the necessary corrections:

- \* In line 13, "ItemsArray.Add(ItemObject)": This line is correctly using the Add method to add the ItemObject to the ItemsArray. The Add method is the correct method to use for adding items to a JSONArray. Therefore, there is no need to replace Add with Insert.
- \* In line 15, "ItemsArray.WriteTo(RequestText)": The WriteTo method is used correctly to serialize the ItemsArray into a JSON formatted string and store it in the RequestText variable. The ReadFrom method is used for the opposite operation, i.e., to deserialize a JSON formatted string into a JSONArray, which is not the goal in this context. Hence, no change is needed here.
- \* Change the ItemObject variable type from JsonObject to JsonToken: The ItemObject variable is intended to hold JSON objects representing individual items, making JsonObject the appropriate type.

JsonToken is not a type used in this context within AL for Business Central, and thus the variable type should remain as JsonObject.  
\* Move line 08, "Clear(ItemObject)": This line should be moved inside the repeat loop to ensure that the ItemObject is cleared for each item in the loop. Placing it before the repeat would only clear it once before the loop starts, which could lead to incorrect serialization as the previous item's properties would not be cleared from the ItemObject.

The logic for serializing records into JSON is a common operation when interfacing with APIs or web services in Business Central, and the pattern shown in the code is typical for such operations.

## NEW QUESTION # 33

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