# MB6-894 Dumps

# Development, Extensions and Deployment for Microsoft Dynamics 365 for Finance and Operations

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**NEW QUESTION 1**
You are working for a client in a new Microsoft Dynamics 365 for Finance and Operations developer virtual machine (VM). The client has existing models and solutions checked into version control with Visual Studio
Team Services.
You connect to the Visual Studio Team Services site and want to access the client's existing models to view X++ source code in the Application Object Tree (AOT).
To achieve this goal, which two directories do you need to map to your local VM? Each correct answer presents part of the solution.

A. Metadata
B. BuildProcessTemplates
C. Main
D. Projects

**Answer:** AD

**Explanation:**
 Section: Understand the architecture and development environment (20- 25%)


**NEW QUESTION 2**
You are developing a Cloud point-of-sale (POS) solution for Microsoft Dynamics 365 for Retail that validates a member's loyalty points.
You add a method to the RetailTransactionServiceEx class to validate the loyalty points. Which service did you extend when you added this method?

A. Sync Service
B. Commerce Runtime (CRT) Services
C. Real-time Service
D. Internet Information Services

**Answer:** C

**Explanation:**
 References:
https://docs.microsoft.com/en-us/dynamics365/unified-operations/retail/dev-itpro/extend-commerce-data-exchange


**NEW QUESTION 3**
Compile and build the mpos/Cloud POS to regenerate the proxy.
6. Developers on your team need to use IntelliSense during the coding process by supplying a list of potential elements from the Application Object Tree (AOT).
Because you are converting from an earlier version of the MorphX environment that did not have InteliSense, you need to explain advantages of InteliSense to the development team.
Which two descriptions should you provide to your team? Each correct answer presents a complete solution.

A. It helps maintain consistent spelling of elements.
B. It prompts the user for known methods and possible choices.
C. It consumes assemblies directly within the application.
D. It can efficiently reference classes that are available in other .NET assembly DLL files.

**Answer:** BD


**NEW QUESTION 4**
You are in a product meeting with a new client.
The client asks about the key components for the commerce data exchange for retail development.
Which two features should you describe to the client? Each correct answer presents part of the solution.

A. Data Access
B. API
C. Retail Schedule
D. Master Data

**Answer:** CD


**NEW QUESTION 5**
You have built a package to deploy retail modifications into a source environment for multiple models.
What is a result of building this package?

A. Build artifacts are removed from the previous build.
B. The .NET module that contains the element is incorporated.
C. Only recently changed objects are rebuilt.
D. Only the elements for the current project are built.

**Answer:** B

**Explanation:**
 https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/dev-tools/build-operations


**NEW QUESTION 6**
You want to install an Application Metadata hotfix in your Microsoft Dynamics 365 for Finance and Operations development environment.

You find and download the hotfix zip file from Lifecycle Services (LCS) and extract the hotfix package form the file.
Which command-line utility should you use to prepare the installation of the hotfix package?

A. XppBp.exe
B. ModelUtil.exe
C. SCDPBundleInstall.exe
D. AxUpdateInstaller.exe

**Answer:** C

**Explanation:**
 References:
https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/migration-upgrade/installmetadata-hotfix-package


**NEW QUESTION 7**
You are an Independent Software Vendor (ISV) developer who is creating a new module in a solution. As part of the solution, you create a new menu.
You need the menu to appear in the list of modules available on the navigation pane. What should you do to achieve this goal?

A. Create an extension of the MainMenu menu, and add a menu reference to the new menu.
B. Create an extension of the NavPaneMenu menu, and add a menu reference to the new menu.
C. Create an extension of the CommonMenu menu, and add a menu reference to the new menu.
D. Create an extension of the StartPageMenu menu, and add a menu reference to the new menu.

**Answer:** A

**Explanation:**
 Section: Manage the User Interface and Security for Developers (20-25%)


**NEW QUESTION 8**
You are installing Microsoft Dynamics 365 for Retail in a store location that has limited Internet connectivity.
You need to implement a solution that supports multiple point-of-sale (POS) devices that
have shared shifts.
Which component should you install to achieve this goal?

A. Retail Headquarters
B. Retail Store Scale Unit
C. Commerce Runtime (CRT)
D. Retail Software Development Kit (SDK)

**Answer:** B

**Explanation:**
 References:
https://docs.microsoft.com/en-us/dynamics365/unified-operations/retail/retail-components


**NEW QUESTION 9**
You are a system administrator for a company's Microsoft Dynamics 365 for Finance and Operations – Retail live environment.
You are responsible for ensuring the environment runs smoothly.
In which scenario would you need to monitor diagnostic data in the hot path?

A. One of the servers in the environment crashed, and you need to troubleshoot the cause of the crash.
B. Telemetry data from other components in your hybrid cloud are not being replicated or backed up.
C. The environment is experiencing performance issues, and you suspect that it is due to hardware issues.
D. Errors exist in one of the Retail Server components, and you need to troubleshoot the root cause of the issues.

**Answer:** C


**NEW QUESTION 10**
You manage package deployments for a Microsoft Dynamics 365 Retail environment, and you need to
determine if a package rebuild is necessary. Which scenario requires a package rebuild?

A. You want to re-run a build due to warnings that appear in the Error List pane concerning best practices.
B. You want to force a build of all objects, regardless of whether they have changed.
C. You want to build dependent and reference models at the same time.
D. You cannot set the Synchronize database on the Build Property to True.

**Answer:** B

**Explanation:**
Section: Develop and extend retail components (15-20%) Explanation
Explanation/Reference:
The rebuild will perform a full compile, which will take a bit longer. The rebuild option combines the clean and build steps so we don't have to separately run clean and build.


**NEW QUESTION 10**
You are an Independent Software Vendor (ISV) developer, and you are reviewing the code in a solution.
During the code review, you see the following:

```
using (var sr = new System.IO.StreamReader(_inputFilename))
{
var textFromFile = sr.ReadToEnd();
this.processFileDate(textFromFile);
}
```
Which two statements about the sr and textFromFile variables are true? Each correct answer presents a complete solution.

A. The variables storing .Net Framework objects have to be declared using the var keyword.
B. The var keyword indicates the variables can store values of any type.
C. The variables are valid within the block of code in which they were declared.
D. The var keyword infers the type of the variables from their initialization expression.

**Answer:** CD

**Explanation:**
 Section: Read and Write Basic X++ (20-25%)


**NEW QUESTION 11**
You are an Independent Software Vendor (ISV) developer adding functionality to an existing solution. The solution's model has a label file of XYZen-US.label.txt.
You finish creating a job and an action menu item to launch the job. You need to create a new label in the label file for the menu item.
Which two steps are recommended when creating the label? Each correct answer presents part of the solution.

A. Search for the text of the new label to ensure there are no duplicates.
B. Give the new label a meaningful Label ID after clicking the New button.
C. Use all capital letters and numbers for the Label ID of the new label.
D. Use the Label ID generated by the editor after clicking the New button.

**Answer:** AD

**Explanation:**
References:
https://msdn.microsoft.com/en-us/library/aa620083.aspx


**NEW QUESTION 16**
You are a developer for an Independent Software Vendor (ISV).
You need to create and modify enumerations within Microsoft Dynamics 365 for Finance and Operations.
Which two statements are true about using extensible enumerations? Each correct answer presents a complete solution.

A. Integer values that belong to the baseline enum are deterministic.
B. The default base enum value can be changed.
C. The Label property on the extended base enum can be modified.
D. The Label property on any base enum value can be modified.

**Answer:** AC

**Explanation:**
 References:
https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev- itpro/extensibility/add-enum-value


**NEW QUESTION 20**
You are writing an X++ method to delete a SalesLine record.
You need to ensure that the call to the delete() method succeeds.
Which two criteria must be met to accomplish this goal? Each correct answer presents part of the solution.

A. The record to delete must have been read from the database using the forupdate keyword in a select statement.
B. The dispose() method must be called after the delete() method is called.
C. The delete() method must be called inside a transaction by using the ttsbegin and ttscommitstatements.
D. The record to delete must be locked first by calling the selectLocked() method.

**Answer:** CD


**NEW QUESTION 23**
You are working in a Microsoft Dynamics 365 for Retail environment and are troubleshooting a scanner that is not able to scan a bar code on an item.
You review the event logs on the Retail Server and find several recent events in which the AppSessionId is a non-empty GUID and the UserSessionId contains an empty GUID.
What is the main cause of the events in the event log?

A. The scanner does not have power.
B. The scanner is in offline mode.
C. The scanner has not been signed into by a user.
D. The scanner cannot make a call to the retail server.

**Answer:** C

**Explanation:**
 References:
https://docs.microsoft.com/en-us/dynamics365/unified-operations/retail/dev-itpro/retail-component-eventsdiagnostics-troubleshooting

**NEW QUESTION 25**
You are an Independent Software Vendor (ISV) developer.
You are working on a new solution that will support multiple languages and regions, and you need to use labels.
Which two best practices should you follow when using the labels? Each correct answer presents a complete solution.

A. Use descriptive text for the label file ID.
B. Use labels for elements and artifacts.
C. Use the name of the model for of the label file name.
D. Use a new label ID for every element or artifact.

**Answer:** BC

**Explanation:**
Section: Develop new elements by using Application Explorer (20-25%)
Explanation/Reference:
You should use labels for every user-facing element or artifact in Dynamics 365 for Finance and
Operations.
For multi-language label files, you should ensure that labels contain appropriate translations of the activity or item that they describe.
You should also use labels when programming for all external strings.
You should create a label file with the same name as the associated model.

**NEW QUESTION 28**
What is an example of a best practice for creating base enumerations?

A. Use base enumerations when there is a variable number of user-defined outcomes.
B. Value of zero should be used as the default value for base enumerations.
C. Avoid accessing a constant by using an enumerator.
D. Avoid assigning labels to enumerations that have a default value.

**Answer:** B

**NEW QUESTION 30**
You need to add indexes to a table.
Which two best practices should you follow? Each correct answer presents part of the solution.

A. Determine how the table should be organized by specifying a clustered index.
B. Specify a primary index to determine the unique key on the table.
C. Maintain indexes by making changes directly in the database.
D. Add as many indexes as possible, since more indexes will lead to better performance.

**Answer:** AB

**Explanation:**
Section: Develop new elements by using Application Explorer (20-25%)
Explanation/Reference:
You'll always maintain indexes in a development environment using the table designer versus making changes directly in the database.
You'll always specify a clustered index to determine how the table should be organized. You should always specify a primary index to determine the unique key on the table.
You should only add the index if the speed improvements gained are greater than the cost to update the index.
To maintain efficiency of the index, you should limit the number of columns that you use in the index.
It's important to not create duplicate indexes.

**NEW QUESTION 33**
You are a developer and want to create an extension of an existing Extended Data Type (EDT) that is a string primitive data type.
Which two EDT properties are extendable? Each correct answer presents a complete solution.

A. String Size
B. Presence Method
C. Display Length
D. Form Help

**Answer:** AD

**Explanation:**
References:
https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev- itpro/extensibility/modify-edt

**NEW QUESTION 37**
You are writing a method to create a new Customer group. You begin by writing the following code:

```
class ExampleClass
{
    /// <summary>
    ///   Create a new customer group
    /// </summary>
    /// <param name = "_custGroup">
    ///   Customer group to create
    /// </param>
    ///<param name = "_name">
    ///   Description for customer group
    /// </param>
    Public static void createCustGroup (CustGroupId _custGroup, Description _name)
    {
        CustGroup custGroup;


        ttsbegin;
        custGroup.CustGroup=_custGroup;
        custGroup.Name=_name;


        ///TODO:  save custgroup record to database


        ttscommit ;
    }
}
```

You need to complete the method.
With which statement should you replace the TODO comment line to accomplish this goal?

A. custGroup.insert();
B. RecordInsertList.add(custGroup);
C. insert_recordset custGroup (CustGroup,Name);
D. custGroup.merge();

**Answer:** A


**NEW QUESTION 41**
You are an Independent Software Vendor (ISV) developer working on a solution that extends the
Commerce Runtime (CRT) to handle new requests for an app deployed to tablets and cell phones.
You are in the developer topology and need to troubleshoot an error and check for events. Under which event log in Event Viewer should you look to see the events?

A. Commerce-RetailServer
B. Commerce-OnlineStore
C. Commerce-LoggingProvider
D. Commerce-ModernPos

**Answer:** D

**Explanation:**
 Section: Develop and extend retail components (15-20%) Explanation
Explanation/Reference:
Commerce-RetailServer – This log contains events that are logged by the Retail Server components.
Commerce-ModernPos – This log contains events that are logged by Retail Modern POS. These events include events from the TypeScript and C# (CRT) layer.
Commerce-LoggingProvider – This log contains events that are logged by all other Retail components that aren't included in the list earlier in this article.


**NEW QUESTION 46**
A junior programmer asks you to review an order of operator precedence so that a math operation evaluates appropriately.
Which list is ordered correctly?

A. unary, multiplicative, additive, logical, relational
B. shift, relational, additive, unary, logical
C. unary, multiplicative, additive, relational, logical
D. equality, multiplicative, additive, relational, unary

**Answer:** C

**Explanation:**

Section: Read and Write Basic X++ (20-25%) Explanation/Reference:

```
Operators, in order of precedence          Syntax
Unary                                      - ~ !
Multiplicative, shift, bitwise AND, bitwise exclusive OR  * / % DIV << >> & ^
Additive, bitwise inclusive OR             + -
Relational, equality                       < <= == != > >= like
as is
Logical (AND, OR)                          &&
Conditional                                ? :
```

## NEW QUESTION 48

You create a new table with the Valid Time State Field Type property set to Date. You add the table as a singular data source to a form, and create a display menu item that opens the form.

You add the menu item as an entry point to a new privilege and want to ensure that a role with the privilege can edit records without creating new records.

To achieve this goal, what is the minimum access level you should grant to the entry point?

A. Create
B. Delete
C. Correct
D. Update

**Answer:** D

## NEW QUESTION 53

You are an administrator of a Microsoft Dynamics 365 for Finance and Operations - Retail live environment.

You receive a report that the corporate Retail server is unresponsive.

Where should you look first to troubleshoot the issue in the most efficient manner possible?

A. Environment Monitoring in Lifecycle Services (LCS)
B. Event Viewer of the Retail Server
C. Activity Log in Azure Portal
D. Event Viewer of the Application Object Server (AOS)

**Answer:** B

**Explanation:**
Section: Develop and extend retail components (15-20%) Explanation
Explanation/Reference:
Retail Server, Modern POS, and hardware station are logged in the Event viewer on the local machine.

## NEW QUESTION 58

You are working for a client in Microsoft Dynamics 365 for Finance and Operations. You design and build a custom package, and upload it to the Asset library in Lifecycle Services (LCS).

You need to apply the custom package to the client's Tier 2 environment for testing by generating a
runbook.

Which two files are required to generate the runbook? Each correct answer presents part of the solution.

A. the topology data file
B. the development installation service model data file
C. the hotfix installation information file
D. the service model file

**Answer:** AD

**Explanation:**
Section: Understand the architecture and development environment (20-25%) Explanation
Explanation/Reference:
Runbook – The deployment runbook is a series of steps that is generated and used to apply the
deployable package to the target environment. Some of the steps are automated, and some are manual.
AXUpdateInstaller enables these steps to be run one at a time and in the correct order. AXUpdateInstaller.exe generate -runbookid=[runbookID] -topologyfile=
[topologyFile] -servicemodelfile=[serviceModelFile] -runbook
Here is an explanation of the parameters that are used in this command:
[runbookID] – A parameter that is specified by the developer who applies the deployable package.
[topologyFile] – The path of the DefaultTopologyData.xml file. [serviceModelFile] – The path of the DefaultServiceModelData.xml file.
[runbookFile] – The name of the runbook file to generate (for example, AOSRunbook.xml).

## NEW QUESTION 63

You are an Independent Software Vendor (ISV) developer and are reviewing another developer's changes to a project.

You run the Best Practices Fixer on the project. The following error message appears in the error list in
Visual Studio for the display menu item XYZ:

BP Rule: [BPErrorMenuItemNotCoveredByPrivilege]:Path: [dynamics://MenuItemDisplay/ XYZ]:BPErrorMenuItemNotCoveredByPrivilege: 'AxMenuItemDisplay' 'XYZ' is not covered
by privilege: XYZ (USR) [YourModule]
Based on this error message, which recommendation should you make to the developer?

A. Add the XYZ display menu item to the Entry Points of a new or existing Security Privilege in theYourModule model.
B. Set the Create Permissions and Delete Permissions properties on the XYZ display menu item.
C. Add the XYZ display menu item to the Entry Points of an extension of an existing Security Privilege inthe Application Suite model.

D. Set the Linked Permission Type property to Form, and the Linked Permission Object property to the name of the form on the XYZ display menu item.

**Answer:** A

**Explanation:**
 Section: Manage the User Interface and Security for Developers (20-25%) Explanation
Explanation/Reference:
BPErrorMenuItemNotCoveredByPrivilege: Only the system administrator role can access this form

**NEW QUESTION 66**
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