Microsoft

MB-500

Microsoft Dynamics 365 Finance and Operations Apps Developer

Questions & Answers PDF

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CERTIFICATIONSTIME
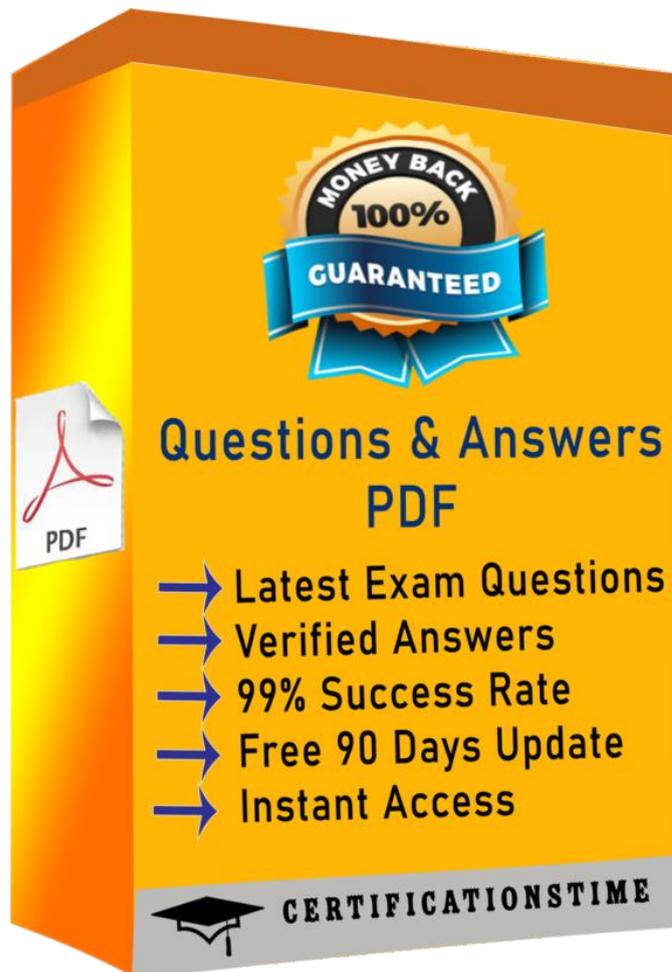
QUESTION & ANSWERS

QUESTION 1

HOTSPOT
You need to create the new table for the vendor exclusion list.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

What should you create?

a table extension for Vendors and a relation for Vendor exclusions
a relation between the Vendor exclusions table and the Vendors table
a table extension for Vendors and add a Delete Action for Vendor exclusions

For which property on the relationship node should you set a value?

Delete Action
Validate
OnDelete
RelationShip Type

Correct Answer:

Answer Area

What should you create?

a table extension for Vendors and a relation for Vendor exclusions
a relation between the Vendor exclusions table and the Vendors table
a table extension for Vendors and add a Delete Action for Vendor exclusions

For which property on the relationship node should you set a value?

Delete Action
Validate
OnDelete
RelationShip Type

Explanation/Reference:

Explanation:
Scenario: You must develop a new solution to maintain a Vendor exclusion list for each customer and item
combination. The solution must meet the following requirements:
Isolate all new vendor exclusion codes as a new assembly by creating a table named VendExclusions.
Create an index for the table named PrimaryIdx that uses the following fields: CustAccount, ItemId, VendAccount
Ensure that users can open the Vendor Exclusion list report from the customer master form. The list must
display the customer account, Item ID, and Vendor account fields.
Maintain referential integrity with other tables.
Box 1: a table extension for Vendors and relation for the Vendor exclusions
Box 2: RelationShip Type

Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/develop-composite-dataentities

QUESTION 2

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have
more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are adding a new field to the SalesTable form.
You must use an extension to add a status field onto the form.
You need to create the extension in the Application Object Tree (AOT) and add the extension to the demoExtensions model.
Solution: Add a new form object to the project and name the form SalesTable.Extension.
Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

Explanation/Reference:

Explanation:
Instead navigate to the user interface forms section for the SalesTable form and create an extension.
Note: In Dynamics 365 Finance and Operations, the new fields will need to be added via a table extension.
Create the extensions on the SalesTable.
Reference:
https://stoneridgesoftware.com/how-to-extend-sales-order-update-functionality-to-custom-fields-in-d365-
finance-and-operations/

QUESTION 3

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have
more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You must extend the class SalesLineType and add a new method that returns the day of week for the system's
current date as an integer value.

You need to create a class that extends SalesLineType and adds the new method.
Solution: You create the following code:

```
[ExtensionOf(classStr(SalesLineType))]
final class mySalesLineType_myExtension
{
  public int extensionMethodDayofWeek()
  {
    return dayofwk(systemDateGet());
  }
}
```

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

QUESTION 4

You have a cloud-based Dynamics 365 Finance production environment.
You need to access the data to create Microsoft Power BI reports for the business.
What should you use?

A. aggregate measurements
B. DirectQuery
C. Analysis Cubes
D. Entity store

Correct Answer: D

Explanation/Reference:

Explanation:
When you have completed modeling the aggregate measurement, you can deploy the aggregate
measurement and continue with building KPIs and visualizations. You have 2 deployment choices:
Stage in Entity Store. This option leverages Entity store, the operational data store that enables near
realtime PowerBI reporting.
In-memory real-time
Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/model-aggregate-data

QUESTION 5

DRAG DROP

A company uses Dynamics 365 Unified Operations.

You need to implement role-based security for a set of fields in a table.

How should you arrange the security elements? To answer, drag the appropriate security elements to the

correct locations. Each element may be used once, more than once, or not at all. You may need to drag the

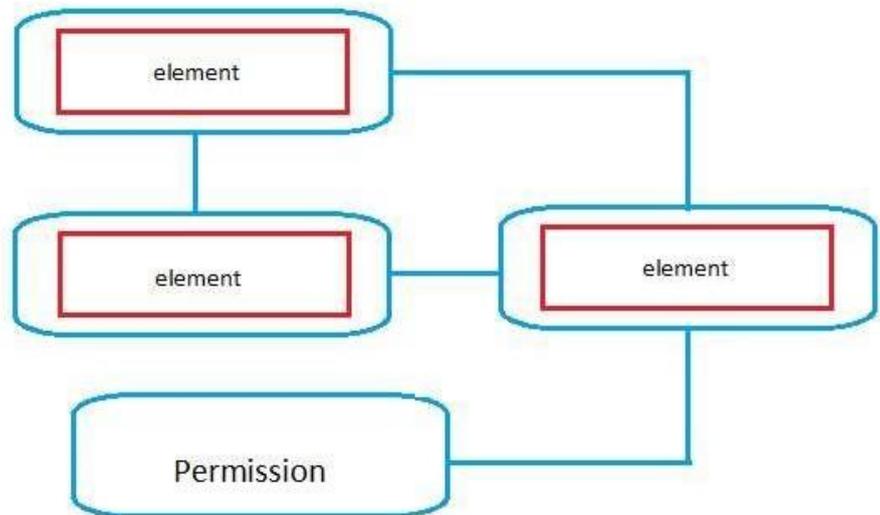split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Elements

Role

Privilege

Duty

element

element

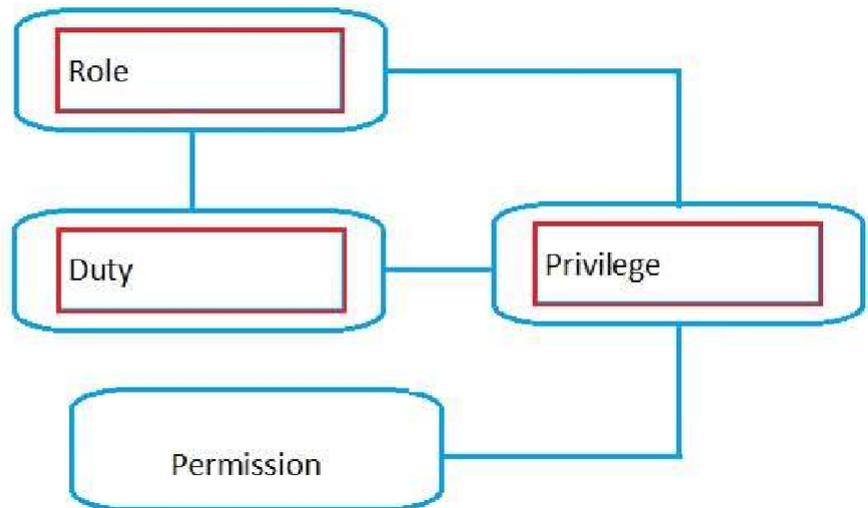element

Permission

Correct Answer:

Answer Area

Elements

Role

Privilege

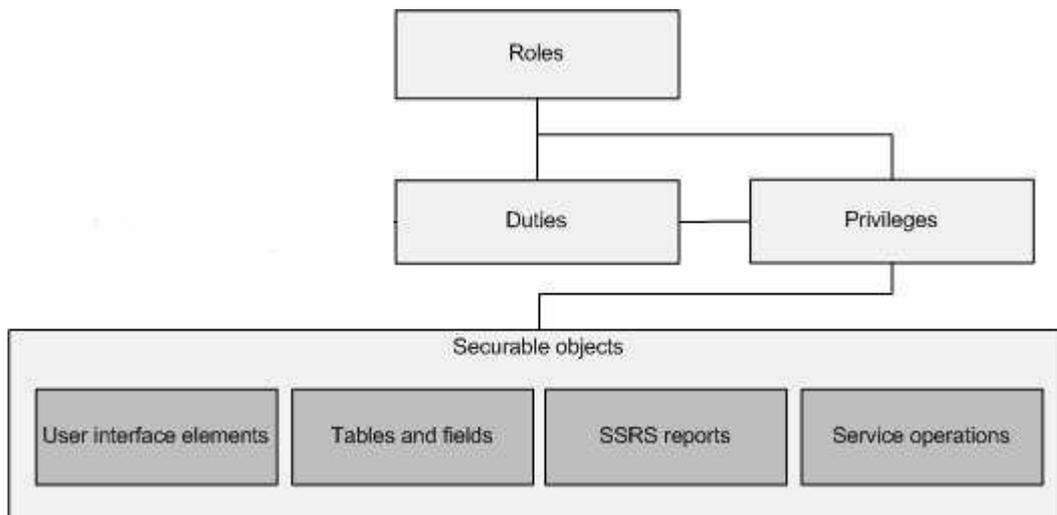| Duty |
| --- |

Explanation/Reference:

Explanation:
The following illustration shows the elements of role-based security and their relationships.

Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/sysadmin/role-based-security

QUESTION 6

DRAG DROP
You are a Dynamics 365 Finance developer.
You need configure table caching.
Which CacheLookup properties should you use? To answer, drag the CacheLookup properties to the correct
table. Each property may be used once, more than once, or not at all. You may need to drag the split bar
between panes or scroll to view content.

NOTE: Each correct selection is worth one point.
Select and Place:

Answer Area

CacheLookup properties

| EntireTable |
| NotInTTS |
| Found |
| FoundAndEmpty |

Table type	CacheLookup property
Parameters	
Transaction	
Master data	
Region specific master data	

Correct Answer:

Answer Area

CacheLookup properties

| EntireTable |
| NotInTTS |
| Found |
| FoundAndEmpty |

Table type	CacheLookup property
Parameters	FoundAndEmpty
Transaction	NotInTTS
Master data	EntireTable
Region specific master data	Found

Explanation/Reference:

Explanation:
Box 1: FoundAndEmpty
All selects on caching keys are cached, including selects that are not returning data.
All caching key selects are returned from caching if the record exists there, or the record is marked as nonexistent in the cache. A select forUpdate in a transaction forces reading from the database and replaces
the record in the cache.
An example of FoundAndEmpty record caching is in the Discount table in the Microsoft Dynamics AX standard
application. By default, the Discount table has no records. By using a FoundAndEmpty cache on this table, the
keys that are queried for but not found are stored in the cache. Subsequent queries for these same nonexistent records can be answered from the cache without a round trip to the database.

Box 2: NotInTTS
All successful caching key selects are cached.
When in a transaction (after ttsBegin), no caches made outside the transaction are used. When inside a
transaction, the record is read once from the database and subsequently from the cache. The record
is selectlocked when reading in a transaction, which ensures that the record cached is not updated while the
transaction is active.
A typical example of the NotInTTS property is on the CustTable in the Microsoft Dynamics AX application. It is
acceptable to read outdated data from the cache outside a transaction, but when data is used for validation or
creating references, it is ensured that the data is real-time.
Box 3: EntireTable
Creates a set-based cache on the server. The entire table is cached as soon as at least one record is selected
from the table. An EntireTable cahce is flushed whenever an insert, update or delete is made to the table. So
first select read all records from DB for the selected company and all the further selects will take data from the
cache instead of DB calls.
Box 4: Found
All successful caching key selects are cached. All caching key selects are returned from the cache if the record
exists there. A select forUpdate in a transaction forces reading from the database and replaces the record in
the cache.
This is typically used for static (lookup) tables, such as Unit, where the record usually exists.
Reference:
http://gautamax.blogspot.com/2017/01/cache-lookup-property-of-table-in-ax.html

QUESTION 7

You are a Dynamics 365 Finance developer. You have a solution that records product weights.
You must store up to four decimals of precision by using a standard Extended Data Type (EDT).
You need to add the field in a new table.
Which EDT should you extend?

 A. AmountMST
 B. MarkupValue
 C. Weight
 D. WeightBase

Correct Answer: D

Explanation/Reference:

Explanation:
Weight data can be maintained with a maximum of two decimals by default. If you require the ability to enter,
maintain, and view weight data with a maximum precision of six decimals, you must extend the decimal point
precision for the WeightBase extended data type.
Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/decimal-point-precision

QUESTION 8

DRAG DROP
A company plans to deploy Dynamics 365 Unified Operations.
You need to recommend deployment options for the company.
What should you recommend? To answer, drag the appropriate deployment options to the correct application
requirement. Each deployment option may be used once, more than once, or not at all. You may need to drag
the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.
Select and Place:

Answer Area

Deployment types		Requirement	Deployment type
cloud only		Export data to your own data warehouse.	
on-premises only		Configure SharePoint integration.	
cloud or on-premises		Implement Lifecycle services features.	
		Safe or load Task Recorder recordings from a BPM library.	

Correct Answer:

Answer Area

Deployment types	Requirement	Deployment type
cloud only	Export data to your own data warehouse.	cloud or on-premises
on-premises only	Configure SharePoint integration.	cloud only
cloud or on-premises	Implement Lifecycle services features.	cloud or on-premises
	Safe or load Task Recorder recordings from a BPM library.	cloud only

Explanation/Reference:

Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/fin-ops/get-started/cloud-prem-comparison

QUESTION 9

You are a Dynamics 365 Finance developer.
You have a table named FMVehicle that contains a field named VehicleId. The table has an index named
VehicleIdIdx on the VehicleId field. You declare a table buffer named vehicle to refer to the table.
You need to select all records from the FMVehicle table in ascending order based on VehicleId field in the
vehicle variable.
Which embedded-SQL statement should you use?

A. `select vehicle index VehicleId;`
B. `select vehicle order by VehicleId;`
C. `select VehicleId from vehicle order by VehicleId asc;`
D. `select vehicle order by VehicleId desc;`

Correct Answer: C

Explanation/Reference:

Explanation:
All select statements use a table variable to fetch records. The results of a select statement are returned in a
table buffer variable, here vehicle.
Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-data-query

QUESTION 10

You are a Dynamics 365 Finance developer.
You need to deploy a new report in a development environment.
From which two locations can you deploy the report? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Package deployment
B. Build project
C. Application Explorer
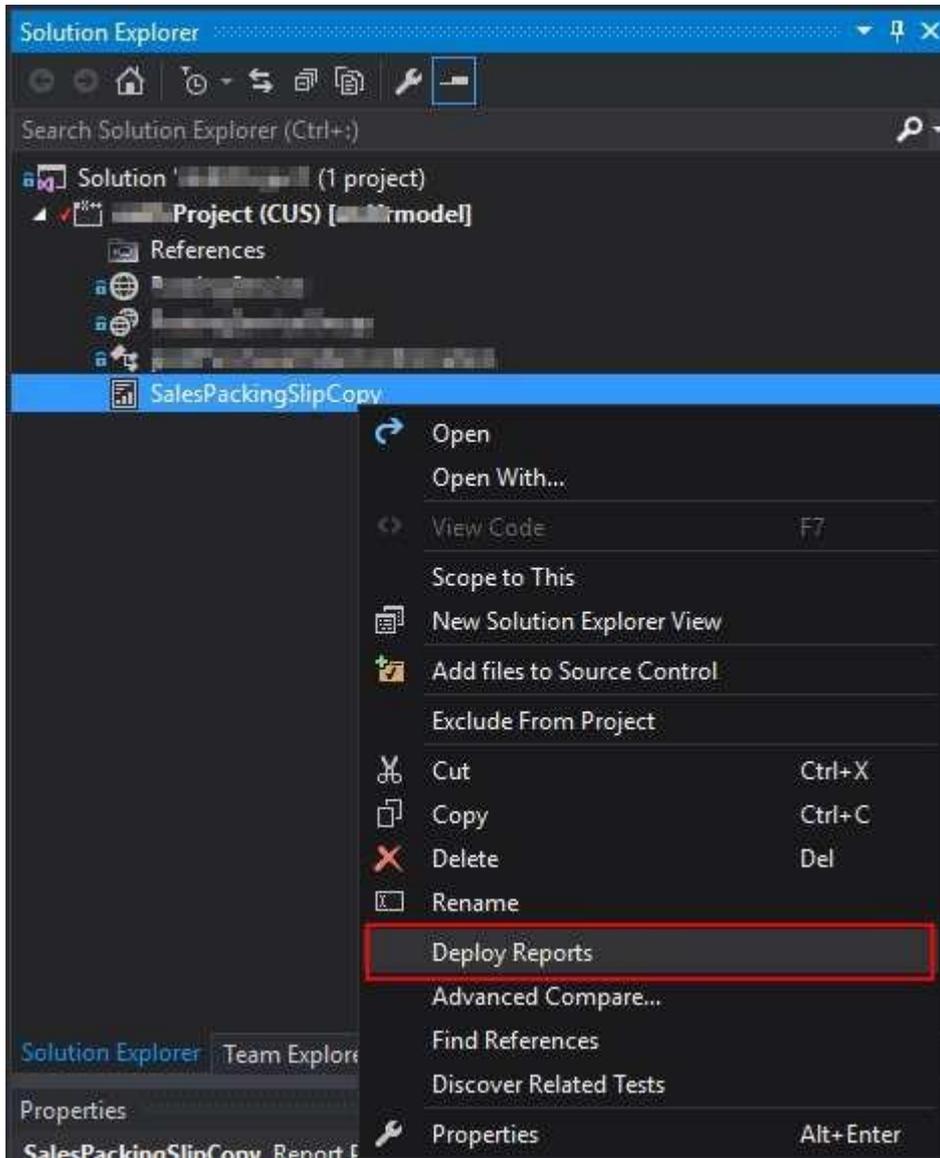D. Solution Explorer
E. Build Models options

Correct Answer: A,D

Explanation/Reference:

Explanation:
A: An AOT package is a deployment and compilation unit of one or more models that can be applied to an
environment. It includes model metadata, binaries, reports and other associated resources.
D:

Reference:
https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/deployment/create-apply-deployablepackage

QUESTION 11

HOTSPOT
You are a Dynamics 365 Finance developer. You create a form.
You must ensure that only sales managers can view the form.
You need to set up security for the form.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Step	Action
1	▼
	Add the menu item for the form to the entry point node of a new privilege.
	Add the form object to the entry point node of a new privilege.
	Add the form object to the directaccesspermissions node of a new privilege.
2	▼
	Add the privilege to a new duty.
	Add the menu item for the form to the directaccesspermissions node of a new privilege.
	Add the privilege to a new security policy.
3	▼
	Add the duty to the security role for sales managers.
	Add the security policy to the security role for sales managers.

Correct Answer:

Answer Area

Step	Action
1	▼
	Add the menu item for the form to the entry point node of a new privilege.
	Add the form object to the entry point node of a new privilege.
	Add the form object to the directaccesspermissions node of a new privilege.
2	▼
	Add the privilege to a new duty.
	Add the menu item for the form to the directaccesspermissions node of a new privilege.
	Add the privilege to a new security policy.
3	▼
	Add the duty to the security role for sales managers.
	Add the security policy to the security role for sales managers.

Explanation/Reference:

Explanation:
Step 1: Add the form object to the entry point node of a new privilege.
Your desired security privilege you can either directly set form control permissions or Entry Points.
For the Entry point method you need first need to add new entry point and set its object type and object name
properties or for existing ones select desired entry point and click on drop down arrow and on controls right
click and select new control, and now set its grant and name properties to desired control and its access rights.
Step 2: Add the privilege to a new duty
You need to assign this privilege in desired security role and security duty.

Step 3: Add the duty to the security role for sales managers.
Reference:
https://www.cloudfronts.com/set-form-control-access-via-security-role-in-d365-finance/