- Expert Verified, Online, **Free**.

Custom View Settings

Topic 1 - Topic 1

Question #1 *Topic 1*

A company is deploying Business Central on-premises.
The company plans to use a single-tenant deployment architecture.
You need to describe how the data is stored and how the Business Central Server is configured.
In which two ways should you describe the single-tenant architecture? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Each customer has their own Business Central Server.

B. The application and the business data are stored in the same database.

C. Multiple customers share a single Business Central Server.

D. The application and business data are stored in separate databases.

E. Multiple customers share multiple Business Central Server instances.

Correct Answer: *AB*

Community vote distribution

AB (67%) BC (33%)

Jerryboi10 1 month ago

Selected Answer: AB

The data in a single-tenant deployment architecture is stored in the same database where the application and business data are combined [2].
Each customer solution has its own Business Central Server in a single-tenant deployment, meaning each customer has their own dedicated serve
instance [2].

https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/deployment/plan-for-deployment?wt.mc_id=DX-MVP-5003099

upvoted 1 times

08d9d8c 1 month, 1 week ago

Selected Answer: AB

A: Business Central Server is a windows service, not a machine and it's impossible for different customers to share the same windows service because they all would work in the same database then.
B: Was explained enough times already

upvoted 1 times

examenesArb 1 month, 2 weeks ago

Selected Answer: BC

B and C

upvoted 1 times

70e8a4b 2 months, 2 weeks ago

Answer is B&C

upvoted 1 times

75ed3a2 3 months ago

B & D.
- "A" statement might be misleading. In a single-tenant deployment, while each customer has their own database, they do not necessarily have their own Business
Central Server instance. Multiple databases (tenants) can be hosted on a single server instance, although they are not shared across customers.

upvoted 1 times

jp81 2 months, 3 weeks ago

D is definitely not the right answer.
Single tenant means both metadata table and company wise data stored in tables reside in same database
Multi tenant means metadata tables such as dbo.object, dbo.metadata and other tables that doesnt store data but store metadata will be in a different database and users company wise data will be in another database.

D option is for mutli tenancy, so among these answers B is definitely the right one, near close is A, so its A and B

upvoted 3 times

Question #2 *Topic 1*

DRAG DROP -

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. You may need to move the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Deployment types

- On-premises
- Online

Deployment requirements

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

Correct Answer:

Deployment requirements

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

Saifuu Highly Voted 4 months, 4 weeks ago

Sandboxes are not available for the onPrem version of BC

upvoted 11 times

examenesArb Most Recent 3 weeks, 2 days ago

I think it could be correct that you can use sandbox environment in on-prem, maybe means that you can run applications in isolated environmen

https://learn.microsoft.com/en-us/windows/security/application-security/application-isolation/windows-sandbox/windows-sandbox-overview

upvoted 1 times

ce1b09c 4 weeks, 1 day ago

Use Microsoft Power Automate to create a workflow that calls a business event - I think that should work in both OnPrem and Cloud.

upvoted 1 times

jp81 2 months, 3 weeks ago

Sandboxes are only for cloud.

upvoted 2 times

Question #3 *Topic 1*

DRAG DROP -

Case study -
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Background -
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.

Current environment -
Contoso, Ltd. uses Business Central online as the main ERP for financials, 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.

Tenant management -
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.
Custom mobile application requirements
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 PostIssue.
Code modifications will be required over time.
The Issue Management process must be split into two extensions:

ISSUE BASE: main extension -
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 IssueTotal.
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[50])
{
    DataClassification = CustomerContent;
}
```

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

```
procedure Clone()
    begin
    end;
```

In the ISSUE EXT extension, you create a tableextension object of the Issue table.
The tableextension object of the Issue table must access the IssueTotal: 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:

```
[ServiceEnabled]
procedure Copy(var actionContext: 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.

Debugging problems -
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.
Integration with business partner for subcontracting
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": "SBO230034",
      "customer_name": "Contoso Ltd.",
      "planned_release_date": "2023-12-13",
      "updated_date": "2023-10-20"
    }
  ]
}
```


Each order no. must be retrieved.

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 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.
- 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.
- 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

Correct Answer:

Actions to handle the field and procedure removal

- Set the Clone procedure as ObsoleteState = Pending and ObsoleteReason = 'Not in use' in version 2.0.0.0.
- Set the Description field as ObsoleteState = Removed; in version 2.0.0.1.
- Remove the Description field from the Issue table in version 2.0.0.1.

xdimidrolx 4 days, 18 hours ago

Correct flow and order is:
8
2
3

upvoted 1 times

Jerryboi10 3 weeks, 4 days ago

To avoid breaking other Extensions
2 - indicates that the field is pending removal in version 2.0.0.0
3 - informs that the field will be removed in version 2.0.0.1
8 - indicates the procedure is now obsolete in version specified using the obsolete attribute.

upvoted 2 times

70e8a4b 2 months, 1 week ago

The last answer should be set the Clone procedure as ObsoleteSate= Removed in version 2.0.0.1

upvoted 1 times

jp81 2 months, 3 weeks ago

2,3 is one of the correct sequence, there is no need for third step, if its been insisted then chose 6, we should never remove the field, it creates breaking changes.

https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-deprecation-guidelines

upvoted 2 times

Question #4 *Topic 1*

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```
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        {
            "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.
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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:
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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": "SBO230034",
      "customer_name": "Contoso Ltd.",
      "planned_release_date": "2023-12-13",
      "updated_date": "2023-10-20"
    }
  ]
}
```

Each order no. must be retrieved.

You need to determine why the extension does not appear in the tenant.

What are two possible reasons for the disappearance? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. The extension was published as a DEV extension.

B. The extension was not compatible with the new version within 60 days of the first notification.

C. The extension was published as PTE, and the Platform parameter was not updated in the app.json file.

D. The extension was published as PTE, and the Platform and Runtime parameters were not updated in the app.json file.

E. The extension was not compatible with the new version within 90 days of the first notification.

Correct Answer: *AD*

Community vote distribution

AE (100%)

RasmusOestergaard 2 months, 3 weeks ago

AE is correct: https://learn.microsoft.com/en-us/training/modules/easy-application-upgrade/consider-update-lifecycle

upvoted 3 times

ivanrlg 3 months ago

Selected Answer: AE

A. The extension was published as a DEV extension.

• DEV extensions are intended for development and testing purposes and are not meant for production use. After an upgrade, DEV extensions m
not automatically reappear in the tenant.

E. The extension was not compatible with the new version within 90 days of the first notification.

• Business Central provides notifications about upcoming upgrades and compatibility requirements. If an extension is not updated to be compatible with the new version within 90 days of the first notification, it may be removed during the upgrade process.

upvoted 4 times

jp81 2 months, 3 weeks ago

A and E is correct

upvoted 1 times

Question #5 *Topic 1*

DRAG DROP -

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

- Add-on app
- Connect app

Connect app and Add-on app descriptions

Description	App type
Developed by using any coding language	
Developed by using AL language in Visual Studio Code	

Correct Answer:

Connect app and Add-on app descriptions

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

Question #6 *Topic 1*

HOTSPOT -

You develop a test application.

You must meet the following requirements:

Roll back changes to a test method after run time.

Run an approve action on a test page named TestPageA.

You need to implement the given requirements on the test codeunit.

Which actions should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Test applications

Requirement	Action
Roll back changes to a test method after run time.	Set the CommitBehavior attribute to Ignore. Set the ErrorBehavior attribute to Collect. Set the TestIsolation property to Function. Set the TransactionModel attribute to AutoRollBack.
Run an approve action on TestPageA.	Configure TestPageA.Approve.Enabled(). Configure TestPageA.Approve.Invoke(). Configure TestPageA.Approve.Visible(). Configure TestPageA.Trap().

Correct Answer:

Test applications

Requirement	Action
Roll back changes to a test method after run time.	Set the CommitBehavior attribute to Ignore. Set the ErrorBehavior attribute to Collect. Set the TestIsolation property to Function. Set the TransactionModel attribute to AutoRollBack.
Run an approve action on TestPageA.	Configure TestPageA.Approve.Enabled(). Configure TestPageA.Approve.Invoke(). Configure TestPageA.Approve.Visible(). Configure TestPageA.Trap().

zazpe Highly Voted 4 months, 2 weeks ago

To run an approve action on a test page named TestPageA, it should be "Configure TestPageA.Approve.Invoke()"

https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/methods-auto/testaction/testaction-invoke-method

upvoted 11 times

Madeira Most Recent 2 months, 1 week ago

For the Second Question answer should be B- Configure TestPageA.Approve.Invoke()

upvoted 4 times

Question #7 *Topic 1*

You are cleaning up sandbox environments for a company.
The company requires data to be cleared from the environments each time an extension is published.
You need to configure the launch.json file.
Which schemaUpdateMode property should you set?

A. ForceUpgrade

B. ForceSync

C. Synchronize

D. Recreate

Correct Answer: *D*

jp81 2 months, 3 weeks ago
Answer is D
upvoted 4 times

Question #8 *Topic 1*

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. launch.json

Correct Answer: *C*

examenesArb 1 month, 3 weeks ago
LA repsuesta correcta es la C
upvoted 3 times

jp81 2 months, 3 weeks ago
Its in app.json file, correct answer is D
upvoted 1 times

jp81 2 months, 3 weeks ago
Typo, C is the answer
upvoted 4 times

Question #9 *Topic 1*

A company uses Business Central.
The company plans to use a translation file in an extension. The extension has a caption that should not be translated.
You need to prevent the caption from being translated.
What should you do?

A. Use the CaptionML property and copy the same caption for each language used.

B. Set the GenerateLockedTranslations feature in the app.json file.

C. Add the Locked = true parameter to the Caption.

D. Delete the Caption property.

E. Copy the same caption for each language in the translation file.

Correct Answer: *C*

Question #10 *Topic 1*

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

Correct Answer: *B*

Community vote distribution

B (100%)

AGTraining Highly Voted 4 months, 2 weeks ago

should be Latest (which is the default) returns the most recent image in the list.

upvoted 9 times

75ed3a2 Highly Voted 3 months ago

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.

upvoted 6 times

danielkace28 Most Recent 1 month, 3 weeks ago

Selected Answer: B

B. Get-BcArtifactUrl -type sandbox -select Closest

upvoted 1 times

xdimidrolx 1 month, 3 weeks ago

The correct answer is A. Get-BcArtifactUrl -type sandbox -select Current.
The Microsoft documentation and community resources indicate that the -select Current option is designed to fetch the latest available artifacts.
Here is an excerpt from the documentation:

powershell
Copy code
Get-BcArtifactUrl -type sandbox -select Current

upvoted 3 times

Question #11 *Topic 1*

HOTSPOT -

Case study -
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Company Background -
Alpine Ski House is a company that owns and operates hotels, restaurants, and stores.
Currently, the company uses the following software and interface:
Property management software (PMS) to manage hotel rooms
On-premises accounting software to generate sales invoices and create purchase orders
An API that allows restaurants and stores to obtain necessary information
Restaurants and stores use standalone software for point of sale (POS) devices. Each day, the POS terminals generate a text file of sales data and save the files in a server folder. An account assistant must manually import the files to the current software tables to be processed by the system.
The general manager receives several reports monthly from department managers. The reports take too much time to prepare.

Planned improvements -
The company is moving from a different system to Business Central online to manage the whole company.
The company plans to increase efficiency in every department by using APIs to obtain or share information between the different systems.
Each department involved in purchasing must be able to make purchase requests automatically and easily. The departments do not need access to the full ERP management system.

Technical specifications -
Alpine Ski House requires the development of several extensions for the planned improvements. Business Central design patterns must be used to develop all extensions.
Alpine Ski House must develop the following pages:
Pages that provide multiple configurations in a multistep dialog, like a wizard, to provide required information when the extensions are first installed
Department-specific Role Center pages to show relevant information and pages with additional information
The IT department plans to use Power BI to analyze departmental information. The database must be configured to provide optimal performance.
Department-specific requirements. Housekeeping department
The housekeeping department requires the following to increase efficiency and help avoid data entry errors:
A Housekeeping Role Center to minimize navigation to relevant areas in Business Central online and to show relevant information in it
Pages to embed into a new Room page to show additional information about the Room entity
A table named Room Incident for the housekeeping team to enter room issue information
A Housekeeping canvas app that connects to an extension
The department requires the development of an extension with a new API page named RoomsAPI.
The housekeeping team will use RoomsAPI to publish room details, update when work is complete, or provide repair notifications from the canvas app.
This custom API page must expose a custom table named Rooms and have an ID 50000. The table must be able to update from the PMS. The PMS team must know the endpoint to connect to the custom API.
A developer provides the following details for the API page:

```
APIPublisher = 'alpine';
APIGroup = 'integration';
APIVersion = 'v2.0';
EntityName = 'room';
EntitySetName = 'rooms';
```

The extension must be published in Business Central online and include a list page named Room List that includes all hotel rooms.
Installation or updates to this extension must meet the following requirements:
Some web services must be published automatically.
The version of the specified application's metadata must be obtained in AL language,
The code required to perform tasks cannot be accessible from other parts of the application.
The Room Incident table information must include the following fields:
Incident entry: An incremental number
Room No.: A room from the Room table

Incident Date: The work date -
The table definition in the Room Incident table must autofill the Incident Date when the housekeeping team inserts a new record,
The value for Incident Date must be the work date configured in the Business Central online client.
Status: Includes the following options to identify the status of the incident:
Open: When the Room Incident is created
In Progress: When someone starts repair work
Closed: When the incident is solved
Incident Closing Date: Auto-updating field (when the status passes to Closed, the field will update with the work date)

Incident Description: Text -

Image: Media data type -
The stored picture must be downloadable from a menu action,
A Room Incident page must be developed to contain the download action.
Department-specific requirements. Restaurants and stores
To increase efficiency, the new system must manage the generated data from the restaurants and stores directly by using the API on the POS terminals.
The company requires a codeunit called from a job queue to read the information from the POS terminal APIs.
The POS terminal information must be stored in a table named POS Information, have an ID 50100, and be editable on a page.
The account manager requires an option on the menu of the page to run the process manually.
To analyze the information received from the POS terminals, the company requires:
A custom API named ticketAPI to export the information to Power BI
Use of the Read Scale-Out feature to improve database performance
Department-specific requirements. Purchasing department and non-conformity handling
The purchasing department requires a new entity in Business Central online to log non-conformities of goods received from vendors. The entity must be set up as follows:
The non-conformity entity must have two tables:
a header with common information
one or more lines with the detailed received items that are non-conforming
The entity requires a page named Non-conformity and a subpage named Non-conformity Lines to store the information.
When a purchase order with incorrect quantity or quality issues is received, the entity must create a non-conformity document in the system. The following information must be included in the document:
Non-conformity Number: must use the No. Series table from Business Central online to manage this field and use these features:

Alphanumeric values -
Number format that includes “NC” and the year as part of the number; for example, NC24-001
Non-conformity Date: stores only the creation date
Vendor No.: stores the number of the vendor that sent the items; only vendors from the company must be included
Owner: code of an employee defined in the company
Receipt No.: must meet the following conditions:
Be an existing receipt No.
Be received from the vendor indicated in the Vendor No. field
Comments: can include comments with rich text and pictures to illustrate quality problems
Status: includes non-conformity statuses, such as:

Open -

Notified -

Closed -
Lines must contain the following details:
Item No.: item received (for existing inventory items only)

Description: item description -
Quantity: non-conforming quantity
Non-conformity Type:

Quality -

Quantity -

Delivery date -
The serial numbers of the non-conformities and the period in which they can be created must be in a configuration table and its corresponding page to allow them to be modified for the users.
You need to define the properties of the comments field of the Non-conformity page.
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.

ExtendedDataType property

```
group(commentsGroup)
    {
        field("comments"; NonConformityComments)
        {
           ApplicationArea = All;
           [dropdown 1]
           [dropdown 2] = [dropdown 3] ;
        }
    }
-----------------------------
    var
       NonConformityComments: Text;
```

Dropdown 1 options:
- MultiLine = True;
- MultiLine = False;
- NotBlank= True;
- NotBlank= False;

Dropdown 2 options:
- DataType
- ExtendDataType
- ExtendedDatatype
- RichDataType

Dropdown 3 options:
- LongContent
- None
- RichContent
- TextRichContent

Correct Answer:

ExtendedDataType property

```
group(commentsGroup)
{
    field("comments"; NonConformityComments)
    {
        ApplicationArea = All;
```

- MultiLine = True;
- MultiLine = False;
- NotBlank= True;
- NotBlank= False;

	=		;
DataType		LongContent	
ExtendDataType		None	
ExtendedDatatype		RichContent	
RichDataType		TextRichContent	

```
    }
}
-----------------------------
var
    NonConformityComments: Text;
```

Question #12 *Topic 1*

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Company Background -

Alpine Ski House is a company that owns and operates hotels, restaurants, and stores.

Currently, the company uses the following software and interface:

Property management software (PMS) to manage hotel rooms

On-premises accounting software to generate sales invoices and create purchase orders

An API that allows restaurants and stores to obtain necessary information

Restaurants and stores use standalone software for point of sale (POS) devices. Each day, the POS terminals generate a text file of sales data and save the files in a server folder. An account assistant must manually import the files to the current software tables to be processed by the system.

The general manager receives several reports monthly from department managers. The reports take too much time to prepare.

Planned improvements -

The company is moving from a different system to Business Central online to manage the whole company.

The company plans to increase efficiency in every department by using APIs to obtain or share information between the different systems.

Each department involved in purchasing must be able to make purchase requests automatically and easily. The departments do not need access to the full ERP management system.

Technical specifications -

Alpine Ski House requires the development of several extensions for the planned improvements. Business Central design patterns must be used to develop all extensions.

Alpine Ski House must develop the following pages:

Pages that provide multiple configurations in a multistep dialog, like a wizard, to provide required information when the extensions are first installed

Department-specific Role Center pages to show relevant information and pages with additional information

The IT department plans to use Power BI to analyze departmental information. The database must be configured to provide optimal performance.

Department-specific requirements. Housekeeping department

The housekeeping department requires the following to increase efficiency and help avoid data entry errors:

A Housekeeping Role Center to minimize navigation to relevant areas in Business Central online and to show relevant information in it

Pages to embed into a new Room page to show additional information about the Room entity

A table named Room Incident for the housekeeping team to enter room issue information

A Housekeeping canvas app that connects to an extension

The department requires the development of an extension with a new API page named RoomsAPI.

The housekeeping team will use RoomsAPI to publish room details, update when work is complete, or provide repair notifications from the canvas app.

This custom API page must expose a custom table named Rooms and have an ID 50000. The table must be able to update from the PMS. The PMS team must know the endpoint to connect to the custom API.

A developer provides the following details for the API page:

```
APIPublisher = 'alpine';
APIGroup = 'integration';
APIVersion = 'v2.0';
EntityName = 'room';
EntitySetName = 'rooms';
```

The extension must be published in Business Central online and include a list page named Room List that includes all hotel rooms.
Installation or updates to this extension must meet the following requirements:
Some web services must be published automatically.
The version of the specified application's metadata must be obtained in AL language,
The code required to perform tasks cannot be accessible from other parts of the application.
The Room Incident table information must include the following fields:
Incident entry: An incremental number
Room No.: A room from the Room table

Incident Date: The work date -
The table definition in the Room Incident table must autofill the Incident Date when the housekeeping team inserts a new record,
The value for Incident Date must be the work date configured in the Business Central online client.
Status: Includes the following options to identify the status of the incident:
Open: When the Room Incident is created
In Progress: When someone starts repair work
Closed: When the incident is solved
Incident Closing Date: Auto-updating field (when the status passes to Closed, the field will update with the work date)

Incident Description: Text -

Image: Media data type -
The stored picture must be downloadable from a menu action,
A Room Incident page must be developed to contain the download action.
Department-specific requirements. Restaurants and stores
To increase efficiency, the new system must manage the generated data from the restaurants and stores directly by using the API on the POS terminals.
The company requires a codeunit called from a job queue to read the information from the POS terminal APIs.
The POS terminal information must be stored in a table named POS Information, have an ID 50100, and be editable on a page.
The account manager requires an option on the menu of the page to run the process manually.
To analyze the information received from the POS terminals, the company requires:
A custom API named ticketAPI to export the information to Power BI
Use of the Read Scale-Out feature to improve database performance
Department-specific requirements. Purchasing department and non-conformity handling
The purchasing department requires a new entity in Business Central online to log non-conformities of goods received from vendors. The entity must be set up as follows:
The non-conformity entity must have two tables:
a header with common information
one or more lines with the detailed received items that are non-conforming
The entity requires a page named Non-conformity and a subpage named Non-conformity Lines to store the information.
When a purchase order with incorrect quantity or quality issues is received, the entity must create a non-conformity document in the system. The following information must be included in the document:
Non-conformity Number: must use the No. Series table from Business Central online to manage this field and use these features:

Alphanumeric values -
Number format that includes “NC” and the year as part of the number; for example, NC24-001
Non-conformity Date: stores only the creation date
Vendor No.: stores the number of the vendor that sent the items; only vendors from the company must be included
Owner: code of an employee defined in the company
Receipt No.: must meet the following conditions:
Be an existing receipt No.
Be received from the vendor indicated in the Vendor No. field
Comments: can include comments with rich text and pictures to illustrate quality problems
Status: includes non-conformity statuses, such as:

Open -

Notified -

Closed -
Lines must contain the following details:
Item No.: item received (for existing inventory items only)

Description: item description -
Quantity: non-conforming quantity
Non-conformity Type:

Quality -

Quantity -

Delivery date -
The serial numbers of the non-conformities and the period in which they can be created must be in a configuration table and its corresponding page to allow them to be modified for the users.
You need to define the data types for the fields of the Non-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 Non-conformity Number field

B. DateTime 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

Correct Answer: *CD*

Community vote distribution

DE (100%)

JNav Highly Voted 4 months, 3 weeks ago

DE: If you are using the standard No. Series you need to use a Code[20] on the field

upvoted 16 times

AbhiRavi Highly Voted 4 months ago

Selected Answer: DE

There is no Char type in BC. No. Series is always type Code.

upvoted 10 times

Jerryboi10 Most Recent 3 weeks, 4 days ago

Selected Answer: DE

The dates field are of date data type, while the No. Fields e.g Non Conformity No, Vendor No, Owner No etc. needs to be defined as code.

upvoted 2 times

Question #13 *Topic 1*

HOTSPOT -

Case study -
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Company Background -
Alpine Ski House is a company that owns and operates hotels, restaurants, and stores.
Currently, the company uses the following software and interface:
Property management software (PMS) to manage hotel rooms
On-premises accounting software to generate sales invoices and create purchase orders
An API that allows restaurants and stores to obtain necessary information
Restaurants and stores use standalone software for point of sale (POS) devices. Each day, the POS terminals generate a text file of sales data and save the files in a server folder. An account assistant must manually import the files to the current software tables to be processed by the system.
The general manager receives several reports monthly from department managers. The reports take too much time to prepare.

Planned improvements -
The company is moving from a different system to Business Central online to manage the whole company.
The company plans to increase efficiency in every department by using APIs to obtain or share information between the different systems.
Each department involved in purchasing must be able to make purchase requests automatically and easily. The departments do not need access to the full ERP management system.

Technical specifications -
Alpine Ski House requires the development of several extensions for the planned improvements. Business Central design patterns must be used to develop all extensions.
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A developer provides the following details for the API page:

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APIGroup = 'integration';
APIVersion = 'v2.0';
EntityName = 'room';
EntitySetName = 'rooms';
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The extension must be published in Business Central online and include a list page named Room List that includes all hotel rooms.
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The version of the specified application's metadata must be obtained in AL language,
The code required to perform tasks cannot be accessible from other parts of the application.
The Room Incident table information must include the following fields:
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Room No.: A room from the Room table

Incident Date: The work date -
The table definition in the Room Incident table must autofill the Incident Date when the housekeeping team inserts a new record,
The value for Incident Date must be the work date configured in the Business Central online client.
Status: Includes the following options to identify the status of the incident:
Open: When the Room Incident is created
In Progress: When someone starts repair work
Closed: When the incident is solved
Incident Closing Date: Auto-updating field (when the status passes to Closed, the field will update with the work date)

Incident Description: Text -

Image: Media data type -
The stored picture must be downloadable from a menu action,
A Room Incident page must be developed to contain the download action.
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The account manager requires an option on the menu of the page to run the process manually.
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The purchasing department requires a new entity in Business Central online to log non-conformities of goods received from vendors. The entity must be set up as follows:
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a header with common information
one or more lines with the detailed received items that are non-conforming
The entity requires a page named Non-conformity and a subpage named Non-conformity Lines to store the information.
When a purchase order with incorrect quantity or quality issues is received, the entity must create a non-conformity document in the system. The following information must be included in the document:
Non-conformity Number: must use the No. Series table from Business Central online to manage this field and use these features:

Alphanumeric values -
Number format that includes “NC” and the year as part of the number; for example, NC24-001
Non-conformity Date: stores only the creation date
Vendor No.: stores the number of the vendor that sent the items; only vendors from the company must be included
Owner: code of an employee defined in the company
Receipt No.: must meet the following conditions:
Be an existing receipt No.
Be received from the vendor indicated in the Vendor No. field
Comments: can include comments with rich text and pictures to illustrate quality problems
Status: includes non-conformity statuses, such as:

Open -

Notified -

Closed -
Lines must contain the following details:
Item No.: item received (for existing inventory items only)

Description: item description -
Quantity: non-conforming quantity
Non-conformity Type:

Quality -

Quantity -

Delivery date -
The serial numbers of the non-conformities and the period in which they can be created must be in a configuration table and its corresponding page to allow them to be modified for the users.
You need to select the appropriate page types to solve the reporting requirements.
Which page types should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Page type requirements

Requirement	Page types
Display relevant insights in the Housekeeping Role Center.	CardPart HeadLinePart Worksheet
Display the additional information for the Room table.	CardPart FactBox HeadLinePart
Configure the first installation.	HeadLinePart NavigatePage StandardDialog

Correct Answer:

Page type requirements

Requirement	Page types
Display relevant insights in the Housekeeping Role Center.	CardPart HeadLinePart Worksheet
Display the additional information for the Room table.	CardPart FactBox HeadLinePart
Configure the first installation.	HeadLinePart NavigatePage StandardDialog

Question #14 *Topic 1*

You are developing an app.
You plan to publish the app to Microsoft AppSource.
You need to assign an object range for the app.
Which object range should you use?

A. custom object within the range 50000 to 59999

B. custom object within the range 50000 to 99999

C. divided by countries and use specific a country within the range 100000 to 999999

D. an object range within the range of 7000000 to 74999999 that is requested from Microsoft

E. free object within the standard range 1 to 49999

Correct Answer: *D*

Question #15 *Topic 1*

HOTSPOT -

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));
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.");

Correct Answer:

Page modifications

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

Fennek1893 Highly Voted 2 months, 2 weeks ago

SourceTableView = where(Status = filter(Open | Quote))
Description -> there is no ToolTip property for the page
RunPageLink

upvoted 6 times

Rebe Most Recent 2 months, 3 weeks ago

Tooltip not Description

upvoted 3 times

75ed3a2 3 months ago

SourceTableView = where(Status = filter(Open | Quote))
ToolTip
RunPageLink

upvoted 3 times

Question #16 *Topic 1*

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

Correct Answer: *C*

Community vote distribution

C (83%) B (17%)

bkik 3 weeks ago
Selected Answer: C
BlankZero is correct
upvoted 1 times

examenesArb 3 weeks, 2 days ago
Selected Answer: C
Option is C: BlankZero.
Other options are not extensible:
https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/properties/devenv-table-property-overview
upvoted 1 times

70e8a4b 2 months, 2 weeks ago
Answer is C. DecimalPlaces cannot be set for table extensions, so B is NOT correct
upvoted 1 times

An_Cert 2 months, 3 weeks ago
Selected Answer: C
B is one of the properties that can be extend.
https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/properties/devenv-table-property-overview
upvoted 3 times

> **RasmusOestergaard** 2 months, 1 week ago
> Your own documentation prove you wrong. The correct answer is C
> upvoted 1 times
>
> **An_Cert** 2 months, 3 weeks ago
> *C is the one
> upvoted 4 times

75ed3a2 3 months ago
Selected Answer: B
B is one such property that can be adjusted in a table extension
upvoted 1 times

> **Rebe** 2 months, 3 weeks ago
> you cannot modify decimal places
> upvoted 2 times
>
> **An_Cert** 2 months, 3 weeks ago
> Is C) BlankZero
> upvoted 3 times

Question #17 *Topic 1*

HOTSPOT -

You have the following XML file sample for the Items list:

```
<Items>
  <Item No="1000">
    <Description>Table</Description>
  </Item>
  <Item No="1001">
    <Description>Chair</Description>
  </Item>
  <Item No="1002">
    <Description>Sofa</Description>
  </Item>
</Items>
```

You plan to create the next XML file by using an XMLport object.

You need to complete the code segment to export the file in the required format.

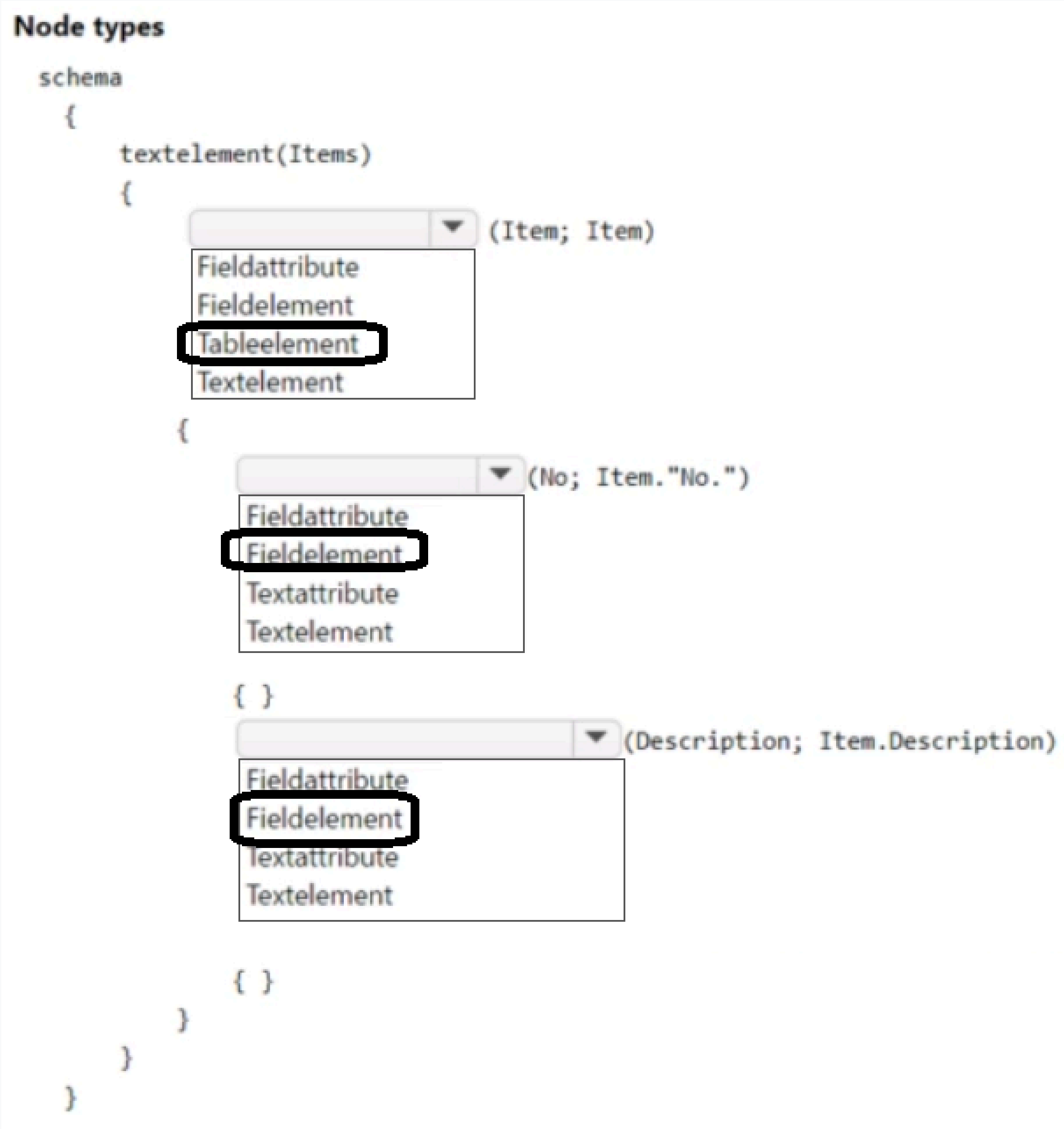
How should you complete the code segment? To answer, select the appropriate options in the answer area.

Node types

```
schema
  {
      textelement(Items)
      {
          [          ▼] (Item; Item)
          Fieldattribute
          Fieldelement
          Tableelement
          Textelement
          {
              [          ▼](No; Item."No.")
              Fieldattribute
              Fieldelement
              Textattribute
              Textelement
              { }
              [            ▼](Description; Item.Description)
              Fieldattribute
              Fieldelement
              Textattribute
              Textelement

              { }
          }
      }
  }
```

Correct Answer:



ivanrlg Highly Voted 4 months ago

texelement para "Items"
tableelement para "Item"
fieldattribute para "No"
fieldelement para "Description"

upvoted 9 times

ce1b09c Most Recent 3 weeks, 5 days ago

schema
{
textelement(Customers)
{
tableelement(Customer; Customer)
{
fieldelement(Address; Customer.Address)
{
fieldattribute(County; Customer.County){}
fieldattribute(City; Customer.City){}
}
}
}
}
https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-xmlport-schema

upvoted 2 times

Rebe 2 months, 3 weeks ago

Table Element
Field Attribute
Field Element

upvoted 4 times

75ed3a2 3 months ago

Correct

upvoted 1 times

Question #18 *Topic 1*

DRAG DROP -

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

Correct Answer:

Process for making permission sets visible
Rename the permission set object to "Sales Person".
Change the Assignable property value to true.
Add the IncludedPermissionSets = SUPER property.

Hartej Highly Voted 4 months, 1 week ago

1. because no other option works, so change the permission set object name to Sales person
2. Assignable = True
3. Publish the app with permission set to the environment

upvoted 10 times

LVV1 2 months, 2 weeks ago

You HAVE to rename since length limitation is 20 characters on assignable sets. https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-permissionset-object

upvoted 2 times

75ed3a2 Most Recent 3 months ago

Change the Assignable property value to true.
Add the ObsoleteState = No property.
Publish the app with the permission set to an environment.

upvoted 2 times

Question #19 *Topic 1*

DRAG DROP -

You create a codeunit that works with a table named Boxes. You plan to filter the records and then modify them.

You get an error that you do not have permission to work with the Boxes table.

You need to assign the Indirect permissions for the Boxes table to the codeunit.

Which four code blocks should you use in sequence to assign the correct permission? To answer, move the appropriate code blocks from the list of code blocks to the answer area and arrange them in the correct order.

Code blocks

- `RMX`
- `“Boxes” =`
- `Table`
- `Permissions =`
- `“Boxes”`
- `RM`
- `rm`
- `TableData`

Assigning permissions

Correct Answer:

Assigning permissions

- `Permissions =`
- `TableData`
- `“Boxes” =`
- `rm`

ivanrlg 2 months, 3 weeks ago

I Agred

upvoted 3 times

Question #20 *Topic 1*

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

Correct Answer: *A*

Community vote distribution

A (100%)

75ed3a2 3 months ago

Selected Answer: A

Correct

upvoted 3 times

Question #21 | *Topic 1*

DRAG DROP -

A company owns and operates hotels, restaurants, and stores.

When the staff orders materials from the purchasing department, the requests are not directed to the correct approvers.

The staff requires a new field named Approver from which they can select the appropriate approver. The field must include the following options:

Hotel manager -

Restaurant manager -

Store manager -

Purchasing manager -

You need to create the Approver field in the Item table by using an AL extension.

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

- Create a table extension object for an Item table with an Approver field of enum type named Approver in the layout section.
- Create a page extension object that extends the Item Card object. Add the field to the layout section.
- Create a table extension object for an Item table with an Approver field of enum type named Approver in the field section.
- Create a page extension object that extends the Item Card object. Add the field to the fields section.
- Add the options to the existing Base Application Approver table.
- Create an enum object named Approver and include all options.

Build and extend tables

Correct Answer:

Build and extend tables

1. Create an enum object named Approver and include all options.
2. Create a table extension object for an Item table with an Approver field of enum type named Approver in the field section.
3. Create a page extension object that extends the Item Card object. Add the field to the layout section.

Question #22 *Topic 1*

HOTSPOT -

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.

Method attributes

Statement	Yes	No
Configure `[InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'x', InherentPermissionsScope::Both)]` above line 15.	○	○
Configure `[InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'R', InherentPermissionsScope::Permissions)]` above line 15.	○	○
Configure `[InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'r', InherentPermissionsScope::Both)]` above line 15.	○	○
Configure `[InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'X', InherentPermissionsScope::Permissions)]` above line 15.	○	○

Correct Answer:

Method attributes

Statement	Yes	No
Configure `[InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'x', InherentPermissionsScope::Both)]` above line 15.	○	$\boxed{\circ}$
Configure `[InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'R', InherentPermissionsScope::Permissions)]` above line 15.	$\boxed{\circ}$	○
Configure `[InherentPermissions(PermissionObjectType::TableData, Database::"Logistics Setup", 'r', InherentPermissionsScope::Both)]` above line 15.	$\boxed{\circ}$	○
Configure `[InherentPermissions(PermissionObjectType::Table, Database::"Logistics Setup", 'X', InherentPermissionsScope::Permissions)]` above line 15.	○	$\boxed{\circ}$

Question #23 *Topic 1*

You are exporting data from Business Central.

You must export the data in a non-fixed length and width in CSV format.

You need to generate an XMLport to export the data in the required format.

Which Format property value should you use?

A. XML

B. VariableText

C. FixedText

Correct Answer: *B*

Question #24 *Topic 1*

HOTSPOT -

You plan to create a table to hold client data.

You have the following data integrity requirements:

Lookups into other records must be established.

Validate if a record exists in a destination record.

You need to select the table field property to use for each requirement.

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

NOTE: Each correct selection is worth one point.

Build tables

Requirement	Table field property
Establish lookups into other records.	DataClassification ExternalAccess TableRelation ValidateTableRelation
Validate if a record exists.	CalcFormula Access AccessByPermission ValidateTableRelation

Correct Answer:

Build tables

Requirement	Table field property
Establish lookups into other records.	DataClassification ExternalAccess TableRelation ValidateTableRelation
Validate if a record exists.	CalcFormula Access AccessByPermission ValidateTableRelation

Question #25 *Topic 1*

A company has a task that is performed infrequently. Users often need to look up the procedure to complete the task.

The company requires a wizard that leads users through a sequence of steps to complete the task.

You need to create the page to enable the wizard creation.

Which page type should you use?

A. NavigatePage

B. Card

C. RoleCenter

D. List

Correct Answer: *A*

Question #26 *Topic 1*

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 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: In the MyTable object, add the property InherentPermissions = RI.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: *B*

Community vote distribution

A (100%)

ivanrlg 2 months, 1 week ago

Selected Answer: A

I think the answer is:
A. Yes. the solution meets the goal by providing the necessary permissions to resolve the reported issues without creating new permission sets ar adhering to the principle of least privilege

upvoted 4 times

kingkayy 1 month, 2 weeks ago

I agree.

upvoted 1 times

Question #27 *Topic 1*

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.

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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: Assign a SUPER permission set.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: *B*

Question #28 *Topic 1*

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.
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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

Correct Answer: *A*

5e11cb9 Highly Voted 3 months, 2 weeks ago
The solution presented here is to add inherent permissions of type "Read". This does not solve the problem of permission errors when INSERTING data. Correct answer should be B "No"
upvoted 12 times

Luca_Martinengo 1 week, 2 days ago
I do not agree, in the quesiton is not specified that the informations are inserted into MyTable. It could be inserted in other tables basing on th info that you read on MyTable.
So far for me is correct.
upvoted 1 times

Question #29 *Topic 1*

HOTSPOT -

Case study -
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Company Background -
Alpine Ski House is a company that owns and operates hotels, restaurants, and stores.
Currently, the company uses the following software and interface:
Property management software (PMS) to manage hotel rooms
On-premises accounting software to generate sales invoices and create purchase orders
An API that allows restaurants and stores to obtain necessary information
Restaurants and stores use standalone software for point of sale (POS) devices. Each day, the POS terminals generate a text file of sales data and save the files in a server folder. An account assistant must manually import the files to the current software tables to be processed by the system.
The general manager receives several reports monthly from department managers. The reports take too much time to prepare.

Planned improvements -
The company is moving from a different system to Business Central online to manage the whole company.
The company plans to increase efficiency in every department by using APIs to obtain or share information between the different systems.
Each department involved in purchasing must be able to make purchase requests automatically and easily. The departments do not need access to the full ERP management system.

Technical specifications -
Alpine Ski House requires the development of several extensions for the planned improvements. Business Central design patterns must be used to develop all extensions.
Alpine Ski House must develop the following pages:
Pages that provide multiple configurations in a multistep dialog, like a wizard, to provide required information when the extensions are first installed
Department-specific Role Center pages to show relevant information and pages with additional information
The IT department plans to use Power BI to analyze departmental information. The database must be configured to provide optimal performance.
Department-specific requirements. Housekeeping department
The housekeeping department requires the following to increase efficiency and help avoid data entry errors:
A Housekeeping Role Center to minimize navigation to relevant areas in Business Central online and to show relevant information in it
Pages to embed into a new Room page to show additional information about the Room entity
A table named Room Incident for the housekeeping team to enter room issue information
A Housekeeping canvas app that connects to an extension
The department requires the development of an extension with a new API page named RoomsAPI.
The housekeeping team will use RoomsAPI to publish room details, update when work is complete, or provide repair notifications from the canvas app.
This custom API page must expose a custom table named Rooms and have an ID 50000. The table must be able to update from the PMS. The PMS team must know the endpoint to connect to the custom API.
A developer provides the following details for the API page:

```
APIPublisher = 'alpine';
APIGroup = 'integration';
APIVersion = 'v2.0';
EntityName = 'room';
EntitySetName = 'rooms';
```

The extension must be published in Business Central online and include a list page named Room List that includes all hotel rooms.
Installation or updates to this extension must meet the following requirements:
Some web services must be published automatically.
The version of the specified application's metadata must be obtained in AL language,
The code required to perform tasks cannot be accessible from other parts of the application.
The Room Incident table information must include the following fields:
Incident entry: An incremental number
Room No.: A room from the Room table

Incident Date: The work date -
The table definition in the Room Incident table must autofill the Incident Date when the housekeeping team inserts a new record,
The value for Incident Date must be the work date configured in the Business Central online client.
Status: Includes the following options to identify the status of the incident:
Open: When the Room Incident is created
In Progress: When someone starts repair work
Closed: When the incident is solved
Incident Closing Date: Auto-updating field (when the status passes to Closed, the field will update with the work date)

Incident Description: Text -

Image: Media data type -
The stored picture must be downloadable from a menu action,
A Room Incident page must be developed to contain the download action.
Department-specific requirements. Restaurants and stores
To increase efficiency, the new system must manage the generated data from the restaurants and stores directly by using the API on the POS terminals.
The company requires a codeunit called from a job queue to read the information from the POS terminal APIs.
The POS terminal information must be stored in a table named POS Information, have an ID 50100, and be editable on a page.
The account manager requires an option on the menu of the page to run the process manually.
To analyze the information received from the POS terminals, the company requires:
A custom API named ticketAPI to export the information to Power BI
Use of the Read Scale-Out feature to improve database performance
Department-specific requirements. Purchasing department and non-conformity handling
The purchasing department requires a new entity in Business Central online to log non-conformities of goods received from vendors. The entity must be set up as follows:
The non-conformity entity must have two tables:
a header with common information
one or more lines with the detailed received items that are non-conforming
The entity requires a page named Non-conformity and a subpage named Non-conformity Lines to store the information.
When a purchase order with incorrect quantity or quality issues is received, the entity must create a non-conformity document in the system. The following information must be included in the document:
Non-conformity Number: must use the No. Series table from Business Central online to manage this field and use these features:

Alphanumeric values -
Number format that includes “NC” and the year as part of the number; for example, NC24-001
Non-conformity Date: stores only the creation date
Vendor No.: stores the number of the vendor that sent the items; only vendors from the company must be included
Owner: code of an employee defined in the company
Receipt No.: must meet the following conditions:
Be an existing receipt No.
Be received from the vendor indicated in the Vendor No. field
Comments: can include comments with rich text and pictures to illustrate quality problems
Status: includes non-conformity statuses, such as:

Open -

Notified -

Closed -
Lines must contain the following details:
Item No.: item received (for existing inventory items only)

Description: item description -
Quantity: non-conforming quantity
Non-conformity Type:

Quality -

Quantity -

Delivery date -
The serial numbers of the non-conformities and the period in which they can be created must be in a configuration table and its corresponding page to allow them to be modified for the users.
You need to download a stored picture from the Room Incident page.
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.

InStream and OutStream

```
local procedure DownloadIncidentPicture(Incident : Record Incident)
    var
        TempBlob : Codeunit "Temp Blob";
        IncidentOutStream : OutStream;
        IncidentInStream : InStream;
        ImageFilter, FileName : Text;
    begin
        TempBlob.[          ▼] (IncidentOutStream);
                 CreateStream
                 CreateInStream
                 CreateOutStream
                 WriteOutStream

        Incident.Image.ExportStream(IncidentOutStream);
        TempBlob.[          ▼] (IncidentInStream);
                 CreateStream
                 CreateInStream
                 CreateOutStream
                 ReadInStream

        ImageFilter := 'Image Files (*.bmp;*.jpg;*.gif)|*.bmp;*.jpg;*.gif';
        FileName := 'Customer Picture';

        if not DownloadFromStream([          ▼],'Download Incident Picture','',ImageFilter, FileName) then
                                  InStream
                                  OutStream
                                  IncidentInStream
                                  IncidentOutStream
            exit;
    end;
```

Correct Answer:

VPin Highly Voted 4 months, 1 week ago

Bad answer, for usage of DownloadInStream. You need to provide the insteam VARIABLE as parameter in the DownloadInStream method. There is a single Instream variable visible in this image; it is IncidentInStream, making this the only possible answer in this case.

upvoted 12 times

examenesArb 4 weeks ago

I agree

upvoted 1 times

Rebe 2 months, 2 weeks ago

i agree

upvoted 1 times

Question #30 *Topic 1*

HOTSPOT -

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Alphanumeric values -
Number format that includes “NC” and the year as part of the number; for example, NC24-001
Non-conformity Date: stores only the creation date
Vendor No.: stores the number of the vendor that sent the items; only vendors from the company must be included
Owner: code of an employee defined in the company
Receipt No.: must meet the following conditions:
Be an existing receipt No.
Be received from the vendor indicated in the Vendor No. field
Comments: can include comments with rich text and pictures to illustrate quality problems
Status: includes non-conformity statuses, such as: