Practice Exam Questions

Microsoft

PL-500

Microsoft Power Automate RPA Developer

EXAMKILLER

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Microsoft

Exam PL-500

Microsoft Power Automate RPA Developer

Version: 5.0

[Total Questions: 113]

Topic break down

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Topic 1, Contoso Pharmaceuticals

Background

Contoso Pharmaceuticals distributes specialty pharmaceuticals, ingredients, and raw materials throughout North America. The company has 33 offices and 12 warehouses across the US, Mexico, and Canada. As their customers' needs grow in sophistication, Contoso wants to delight customers with breakthrough products, exceptional service, and on-time delivery of materials. They want to automate time consuming and manual processes that are prone to error. Contoso wants to consolidate and automate ordering and fulfillment processes.

• The company has a fleet of 500 delivery trucks. The company has 150 drivers and uses third-party contractors to deliver goods.
• The company has 400 warehouse workers and 30 finance clerks.
• Contoso has 85 sales representatives and 50 customer service representatives. Sales representatives spend most of their time on the road visiting customers or prospects.
• The IT department consists of four system administrators and six system analysts.

Current environment

Overview

Contoso Pharmaceuticals has a custom enterprise resource management (ERP) system. It is difficult to integrate other applications and services with the system. Office staff manually key in purchase orders, customer orders, and invoices after they receive a scan or hard copy of an agreement.

Applications

• The company uses a custom supplier management system named SMSApps that runs on each user's workstation. The system is costly to run and maintain. SMSApp does not have an API.
• Sales representatives manage customer requests by using Dynamics 365 Sales.
• Contoso has Microsoft Power Platform development, user acceptance testing (UAT), and production environments.
• Administrators create one Accounts Payable (AP) mailbox for each environment to support testing.
• The use of a DLP policy and Desktop Flow development is specified as part of the automation requirements.

Business process

1. Sales representatives create quotes by using a Microsoft Word document template. The template allows representatives to include product quantity, and cost estimation details that will be needed to fulfil an order. The representative converts quotes to a PDF file and emails the file to the customer for approval.
2. The sales representative alerts the finance team about the new order and emails the finance team a copy of the quote for processing.
3. The finance team prints the quote and manually creates a purchase order (PO) into SMSApp to request materials from a known and trusted vendor.
4. The SMSApp distributes the PO to stakeholders. The system sends a copy to a shared finance team mailbox.
5. Once a PO is fulfilled by a vendor, the system sends an email to the finance mailbox. The finance team releases an order to the warehouse.

6. Materials are shipped from the vendor to one of Contoso's warehouses. Warehouse workers enter key information from the waybill into SMSApp. The materials are unloaded and racked in the warehouse until they are shipped to customers.
7. Upon checking for new daily orders in SMSApp, they see an open order is pending that is awaiting the newly received materials
8. The Warehouse worker loads an order onto a truck for delivery and marks the order as complete in SMSApp.
9. Sales representatives provide fulfillment status and tracking information for orders.
10. A finance clerk prepares an invoice and sends the invoice to the customer by email. The clerk sends a copy of the email to the shared AP mailbox.
11. The AP team monitors the shared mailbox to confirm that the customer has paid the invoice.

Requirements

Functional requirements

• Large volume orders must be processed before other orders.
• Invoices must be cross-checked with received items against packing slip for shipments.
• The finance team must be able to analyze patterns in transactional data to conduct fraud prevention activities.
• You must automate the process of entering data about incoming orders into SMSApp.
• The solution must follow the principle of least privilege.

Purchase Order Quantity flow

• You must create an unmanaged solution to update purchase order details in SMSApp. The flow must use a manual trigger.
• Members of Accounts Payable team will be testers for the solution. They must be able to access the Purchase Order Quantity flow.

Flow for processing invoice data

• You must create a flow to monitor the AP mailbox. When an invoice arrives as an attachment in the inbox, the flow must automatically process the invoice data by using a form processing model. The flow must cross-check the received items against the packing slip.
• You must use different Accounts Payable email addresses for development user acceptance testing (UAT), and production environments.
• You must use an environment variable to represent the Accounts Payable mailbox for the environment in use.
• You must be able to use the environment variable across multiple cloud flows, a custom connector, and a canvas app.

Technical requirements

• Users must only be allowed to connect to and access systems that are required for the employee to perform required job tasks.
• All automation flows must be either co-owned or shared between staff.
• All employees must be able to access the new environment to build personal productivity automations.
• You must distribute the workload for desktop flows to optimize productivity.

Monitor flows

• All data extracted from Invoices should be stored in a custom Dataverse entity. Only employees who are part of Finance role should be able to edit all Invoice data but must be

prevented from creating or deleting one.

Issues

Invoice data

All users report that they can see and modify invoice data.

New environment

• The IT department creates a new environment. A user creates a cloud flow named FlowA in the environment that triggers a desktop flow. A user reports that the cloud flow does not trigger the desktop flow to run.

• Microsoft Dataverse is not provisioned in the new environment. You attempt to create a Desktop flow in the default environment but receive a Dataverse error message and cannot proceed.

Data entry automation flow

An administrator runs a new desktop flow in the development environment to automate data entry into SMSApp. The flow automatically reverts to a
suspended state.

Order fulfillment flow

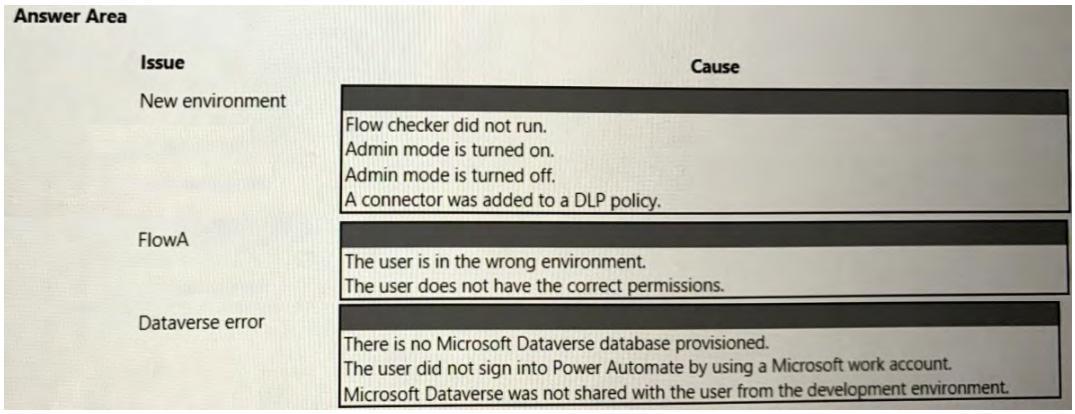
You must automate the customer communication process by using an unattended desktop flow. The flow must check the fulfillment status of each active order in SMSApp. If an order is fulfilled, the flow must send the customer an email that includes tracking information for their order.

Question No : 1 HOTSPOT - (Topic 1)

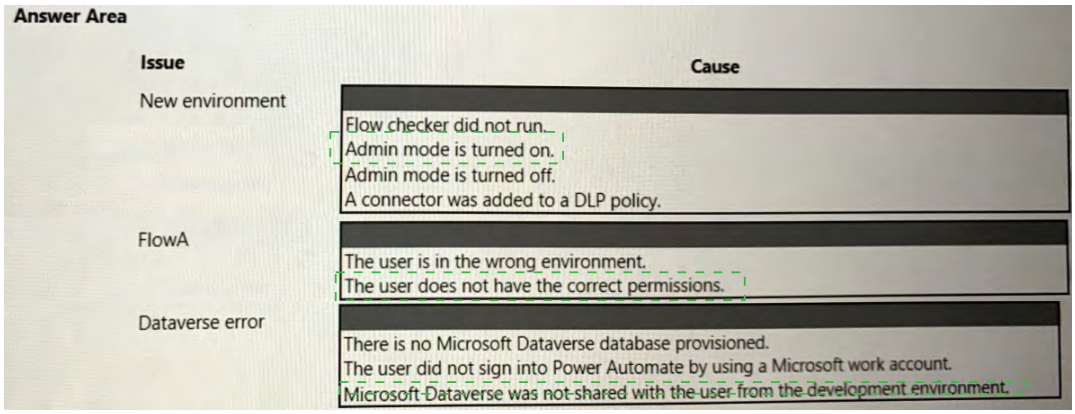
You need to determine the causes for the reported issues.

What are the causes? To answer, select the appropriate options in the answer area.

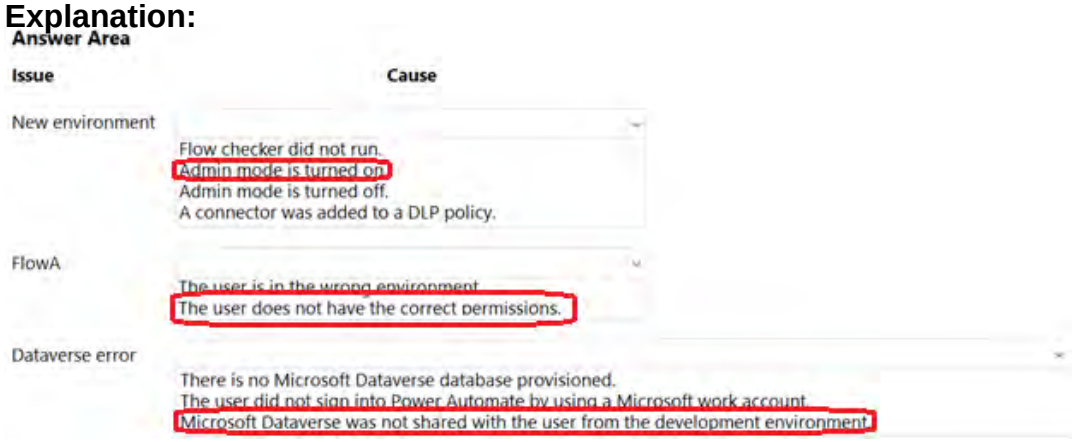
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



Question No : 2 - (Topic 1)

You need to resolve the fulfillment status flow issue.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Ensure that the flow instance does not remain in the queue for more than three hours.
B. Ensure that all users are signed out from the target machine.
C. Use different local Windows accounts for all machines.
D. Ensure that the flow is not using elevated privileges.
E. Trigger the flow by using an on-premises data gateway.

Answer: B,C,D

Explanation: To resolve the fulfillment status flow issue, you need to perform three actions:

- Ensure that all users are signed out from the target machine. This will prevent any interference or interruption from other users who might be logged in to the same machine where the desktop flow is running1.

- Use different local Windows accounts for all machines. This will ensure that each machine has a unique identity and credentials for running desktop flows1.
- Ensure that the flow is not using elevated privileges. This will avoid any security risks or errors that might occur when running desktop flows with administrator rights1.

Question No : 3 - (Topic 1)

You need to configure permissions for the Purchase order quantity flow. Which permission should you assign?

A. Co-owner
B. Run-only user
C. Owner
D. User

Answer: B

Explanation: To configure permissions for the Purchase order quantity flow, you should assign the run-only user permission to the finance clerk. This will allow them to run the flow without being able to edit or share it**1**. The other permissions are not suitable for this scenario because:

- Co-owner permission would give the finance clerk full access to edit, share, and delete the flow, which is not necessary or desirable1.
- Owner permission would transfer the ownership of the flow to the finance clerk, which would remove your access and control over it1.
- User permission would not allow the finance clerk to run the flow at all, only to view it1.

Question No : 4 - (Topic 1)

You need to ensure that the solution uses the correct accounts payable mailbox. Which three actions should you perform? Each correct answer part of the solution, NOTE: Each correct selection is worth one point.

A. Set the current value for the accounts payable mailbox in the environment.
B. Set the default value for the accounts payable mailbox in the environment.
C. Turn off and then turn on the cloud flows.
D. Use separate environment variables for the cloud flow and the canvas app.

E. Use one environment variable for both the cloud flows and the canvas app.

Answer: A,C,E

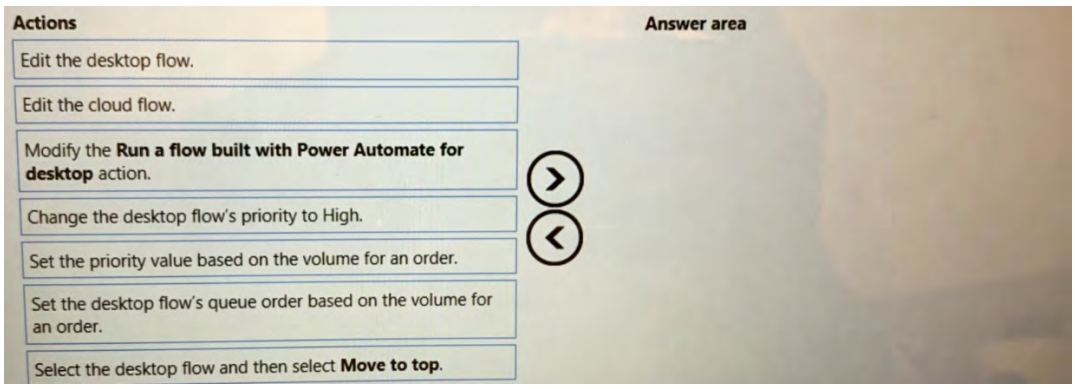
Explanation: To ensure that the solution uses the correct accounts payable mailbox, you need to perform three actions:

- Set the current value for the accounts payable mailbox in the environment. This will update the value of the environment variable that stores the email address of the accounts payable mailbox1.
- Turn off and then turn on the cloud flows. This will refresh the cloud flows and make them use the updated value of the environment variable1.
- Use one environment variable for both the cloud flows and the canvas app. This will ensure consistency and avoid duplication of data across different components of your solution1.

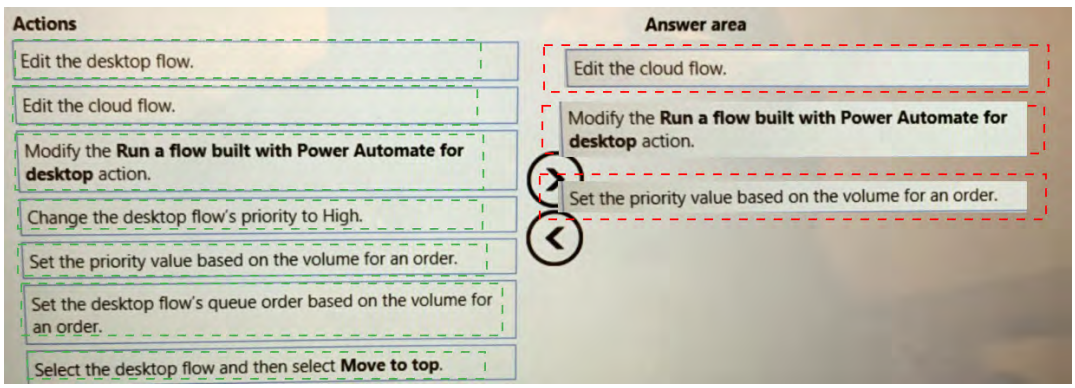
Question No : 5 DRAG DROP - (Topic 1)

You need to implement a solution to manage the priority of incoming orders.

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.



Answer:



Explanation:

- Edit the cloud flow.
- Modify the Run a flow built with Power Automate for desktop action.
- Set the priority value based on the volume for an order.

To implement a solution to manage the priority of incoming orders, you need to perform three actions in sequence:

- Edit the cloud flow that triggers the desktop flow. This is where you can define the logic for setting the priority value based on the volume for an order1.
- Modify the Run a flow built with Power Automate for desktop action in the cloud flow. This is where you can pass the priority value as a parameter to the desktop flow1.
- Set the priority value based on the volume for an order in the desktop flow. This is where you can use the priority value as a dynamic content to determine how the desktop flow will run on the target machine1.

Question No : 6 - (Topic 1)

You need to configure the flow for processing invoices that arrive in the AP mailbox. Which three elements should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Document type
B. Location
C. Pages
D. Al model
E. Form type
F. Form

Answer: A,D,E

Explanation: To configure a flow for processing invoices that arrive in an email, you need to use three elements: document type, AI model, and form type.

- Document type specifies what kind of document you want to process, such as invoices, receipts, or business cards.
- AI model determines how the document data will be extracted and analyzed, such as using a prebuilt model or a custom model.
- Form type defines how the extracted data will be mapped to a table in Dataverse, such as using a standard form or a custom form.

Question No : 7 - (Topic 1)

You need to identify the cause for the SMSApp data entry issue. What is the root cause?

A. The DLP policy that contains the desktop flow connector was deleted.
B. The default policy group is set to Blocked.
C. The desktop flow was not shared with the finance clerk.
D. The scope of the DLP policy was changed to exclude the development environment
E. The Power Automate Management connector is assigned to the Business category.

Answer: D

Explanation: According to the scenario, the SMSApp data entry issue occurred after a DLP policy change that excluded the development environment from its scope. This means that any desktop flow that uses connectors in the development environment will be blocked by the DLP policy**1**. Therefore, the root cause of the issue is option D.

Question No : 8 - (Topic 1)

You need to implement security to resolve the invoice data issue

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Clear the Create and Delete permissions. Set the Read permission and Write permission values to Organization.
B. Select the Finance role, select Custom Entities and navigate to the table.
C. In Microsoft Power Platform admin center, navigate to the Users section.
D. In Microsoft Power Platform admin center, navigate to the Security roles section.
E. Clear the Create and Delete permissions. Set the Read permission and Write permission values to Business unit.
F. Select the Finance role select Core Records, and then navigate to the table.

Answer: B,D,E

Explanation: To implement security to resolve the invoice data issue, you need to perform three actions:

- In Microsoft Power Platform admin center, navigate to the Security roles section. This is where you can manage the security roles for your environment and assign them to users or teams.
- Select the Finance role, select Custom Entities and navigate to the table. This is where you can configure the access level for each entity in your environment based on your security role.
- Clear the Create and Delete permissions. Set the Read permission and Write

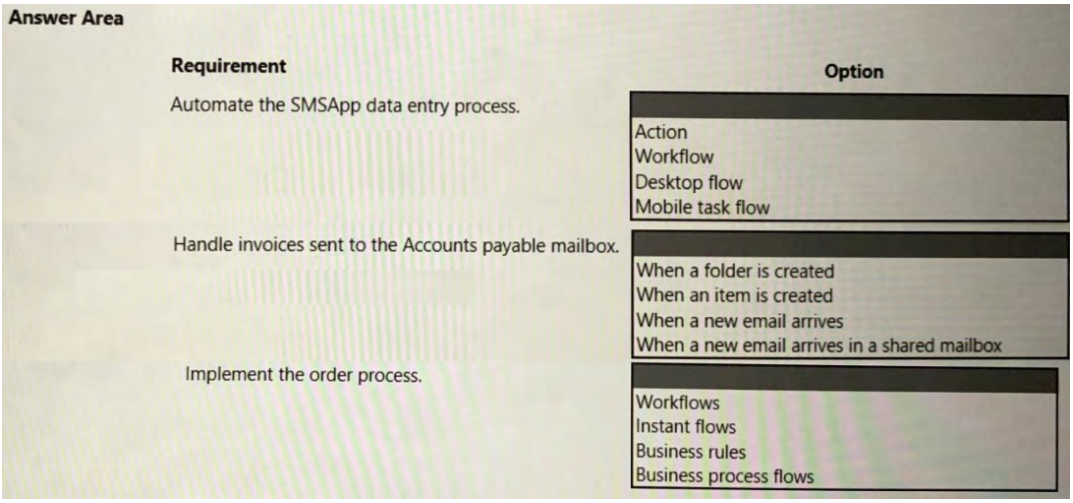
permission values to Business unit. This will restrict users with this role from creating or deleting records in this table, but allow them to read or write records within their business unit.

Question No : 9 HOTSPOT - (Topic 1)

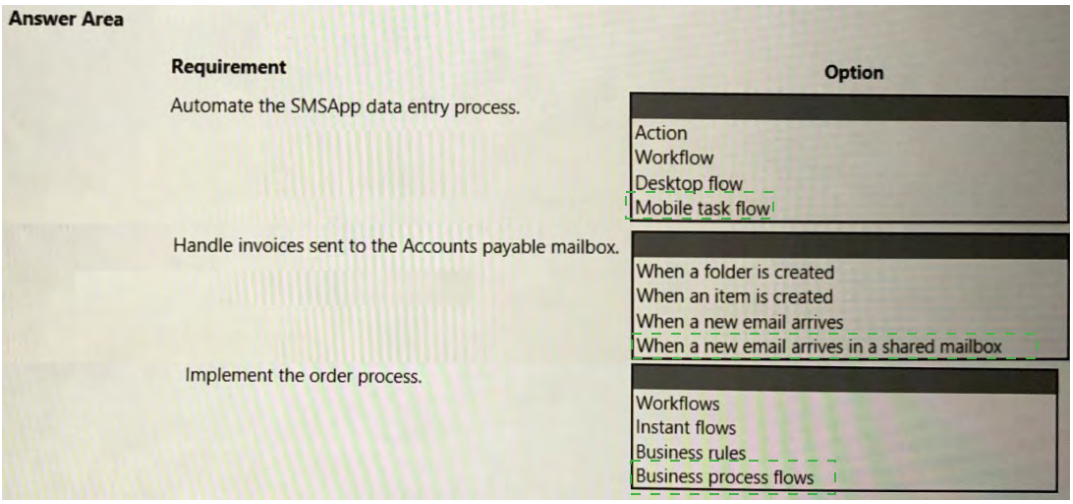
You need to configure the solution.

What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

Answer Area

Requirement	Option
Automate the SMSApp data entry process.	Action Workflow Desktop flow Mobile task flow
Handle invoices sent to the Accounts payable mailbox.	When a folder is created When an item is created When a new email arrives When a new email arrives in a shared mailbox
Implement the order process.	Workflows Instant flows Business rules Business process flows

Topic 2, City Power and Light

Background

City Power and Light is one of the biggest energy companies in North America. They extract, produce and transport oil. The company has more than 50 offices and 100 oil extraction facilities throughout the United States, Canada, and Mexico. They use railways, trucks, and pipelines to move oil and gas from their facilities.

The company provides the following services:

- Produce oil from oil sands safely, responsibly, and reliably
- Refine crude oil into high-quality products
- Develop and manage wind power facilities.
- Transport oil to different countries/regions.

City Power and Light uses various Microsoft software products to manage its daily activities and run its machine-critical applications.

Requirements

ManagePipelineMaintenanceTasks

A user named Admin1 creates a cloud flow named ManagePipelineMaintenanceTasks. Admin1 applies a data loss prevention (DLP) policy to the flow. Adminlshares the flow with a user named PipelineManager1 as co-owner. You must determine the actions that PipelineManager can perform.

MaintenanceScheduler

You create a cloud flow that uses a desktop flow. The desktop flow connects to third-party services to fetch information. You must not permit the desktop flow to run for more than 20 minutes.

You must configure sharing for MatinenanceScheduler to meet the following requirements:

- User1 must be able to work with you to modify the desktop flow.
- User2 must be able to access and review the run history for the flow.
- You must grant User3 permissions to run but not modify the desktop flow.

ERPDataOperations flow

City Power and light uses an enterprise resource planning (ERP) system. The ERP system

does not have an API.

Each day the company receives an email that contains an attachment. The attachment lists orders from the company's rail transportation partners. You must create an automation solution that reads the contents of the email and writes records to the ERP system. The solution must pass credentials from a cloud flow to a desktop flow.

RailStatusUpdater

City Power and Light actively monitors all products in transit. You must create a flow named RailStatusUpdater that manages communications with railways that transport the company's products. RailStatusUpdater includes five desktop flow actions.

You must run the desktop flows in attended mode during testing. You must run the desktop flows in unattended mode after you deploy the solution. You must minimize administrative efforts.

Packaging

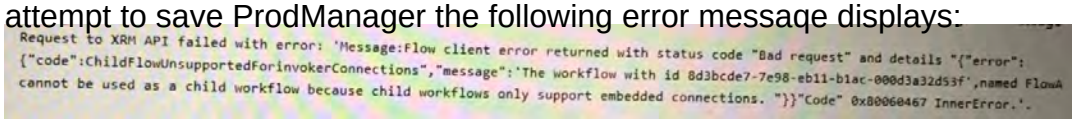
You must package the automations in a solution. All required components must be included in the solution.

Issues

ProductionMonitor flow

You create a cloud flow named ProductionMonitor which uses the Manually trigger a flow trigger. You plan to trigger ProductionMonitor from a cloud flow named ProdManager.

You add a Run a Child flow action in ProdManager to trigger ProductionMonitor. When you attempt to save ProdManager the following error message displays:



CapacityPlanning flow

Developers within the company use cloud flows to access data from an on-premises capacity planning system.

You observe significant increases to the volume of traffic that the on-premises data gateway processes each day. You must minimize gateway failures.

DataCollector flow

You have a desktop flow that interacts with a web form. The flow must write data to several fields on the form.

You are testing the flow. The flow fails when attempting to write data to any field on the web form.

RailStatusUpdater flow

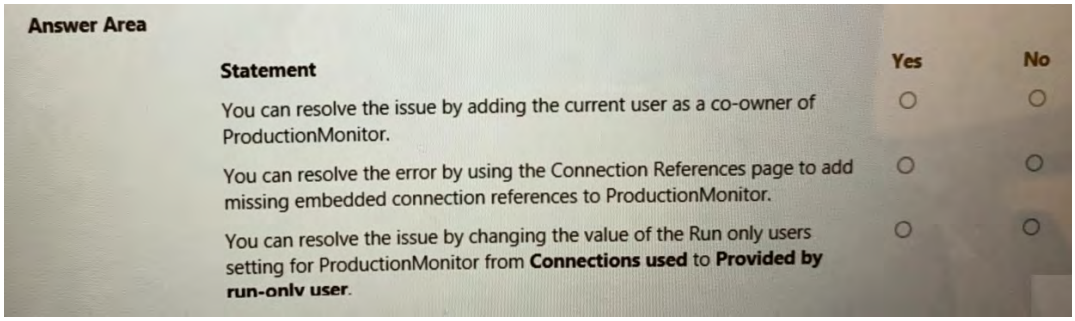
The RailStatusUpdater flow occasionally fails due to machine connection errors. You can usually get the desktop flow to complete by resubmitting the cloud flow run. You must automate the retry process to ensure that you do not need to manually resubmit the cloud flow when machine connection errors occur.

Question No : 10 HOTSPOT - (Topic 2)

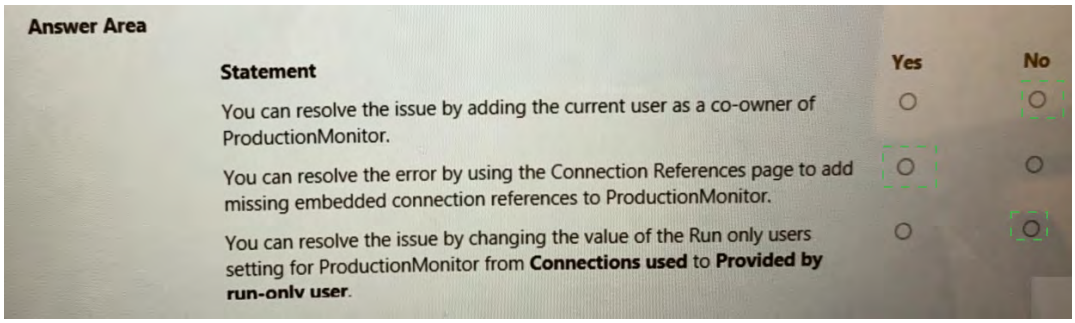
You need to troubleshoot the issue saving ProdManager.

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation: No, Yes, No

According to the scenario, you are unable to save ProdManager because it uses a connection reference that is missing from ProductionMonitor. To resolve this issue, you can use the Connection References page to add the missing embedded connection references to ProductionMonitor. This way, you can ensure that both cloud flows use the same connection reference and avoid errors.

Adding the current user as a co-owner of ProductionMonitor will not resolve the issue, because co-owners cannot modify the connections or connection references used by a cloud flow. Changing the value of the Run only users setting for ProductionMonitor will also not resolve the issue, because this setting only affects how run-only users can access connections when they run a cloud flow manually.

Question No : 11 - (Topic 2)

You need to configure the RailStatusUpdater cloud flow. What should you do?

A. Create a JavaScript function to update the run mode values of each action within the desktop flow.
B. Create an environment variable. Update each desktop flow action to read the variable.
C. Manually update each desktop flow action to change the run mode.
D. Create a desktop flow to update the run mode values of each action within the cloud

flow.

Answer: B

Explanation: According to the scenario, you want to run the desktop flow actions in unattended mode when the cloud flow is triggered by a schedule, and in attended mode when the cloud flow is triggered manually. To achieve this, you can create an environment variable that stores the run mode value (attended or unattended) and use it as an input for each desktop flow action. This way, you can change the run mode value dynamically without having to manually update each action.

Question No : 12 - (Topic 2)

You need to resolve the issue with the DataCollector flow.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point

A. Add an If web page contains action to determine whether a field exists and write data only when true.
B. Configure the Populate text field on a web page actions to continue running the flow in case of error.
C. Replace the Populate text field on a web page action with the Send keys action to write data.
D. Remove the Focus text field on a web page actions that precede actions which write data to text fields.
E. Modify selectors to ensure that field attributes are mapped correctly.

Answer: A,E

Explanation: According to the scenario, the DataCollector flow sometimes fails because some fields on web pages are missing or have different attributes than expected. To resolve this issue, you can use one of these two methods:

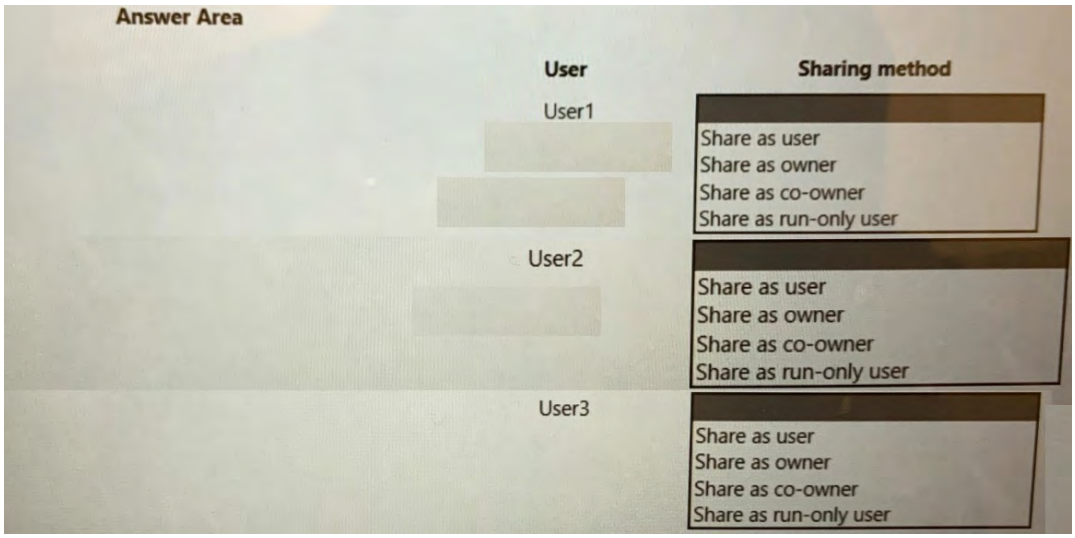
- Add an If web page contains action before each Populate text field on a web page action to determine whether a field exists on the web page and write data only when true. This way, you can avoid errors caused by missing fields.
- Modify selectors for each Populate text field on a web page action to ensure that field attributes are mapped correctly and match those on web pages. This way, you can avoid errors caused by mismatched attributes.

Question No : 13 HOTSPOT - (Topic 2)

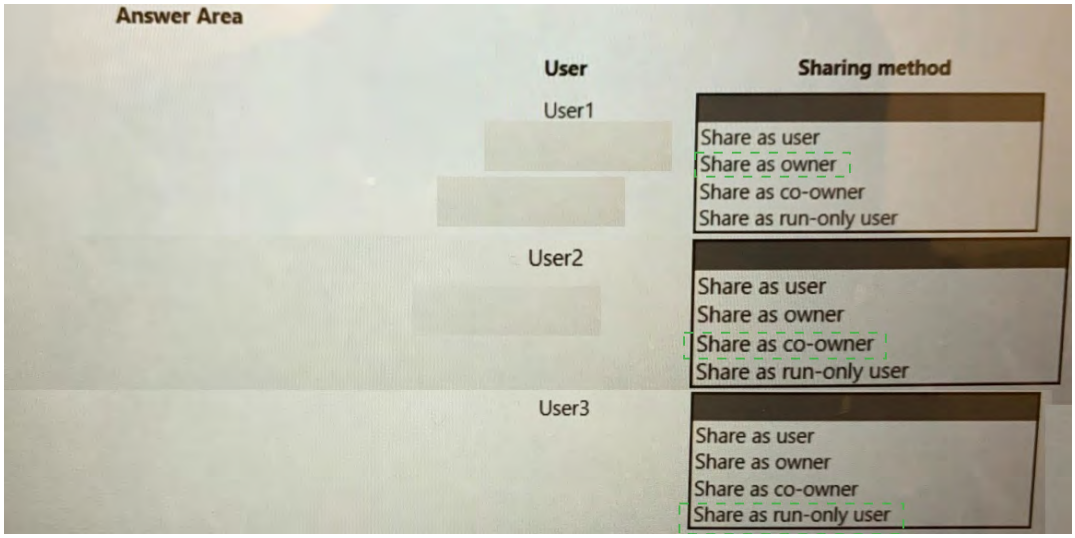
You need to configure sharing for MaintenanceScheduler.

Which sharing methods should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:



Explanation: User 1: Share as owner

User 2: Share as co-owner

User 3: Share as run only user

According to the scenario, you want to share the MaintenanceScheduler cloud flow with three users who have different roles and permissions. To do this, you can use the following sharing methods:

- Share as owner: This method allows you to add another user as an owner of the cloud flow, who can view, edit, run, and manage the flow. You can use this method to share the cloud flow with User 1, who is a senior maintenance manager and needs full access to the flow.
- Share as co-owner: This method allows you to add a SharePoint list as a co-owner

of the cloud flow, so that anyone who has edit access to the list also has edit access to the flow. You can use this method to share the cloud flow with User 2, who is a maintenance manager and needs to edit the flow. You can add the SharePoint list that User 2 has access to as a co-owner of the flow.

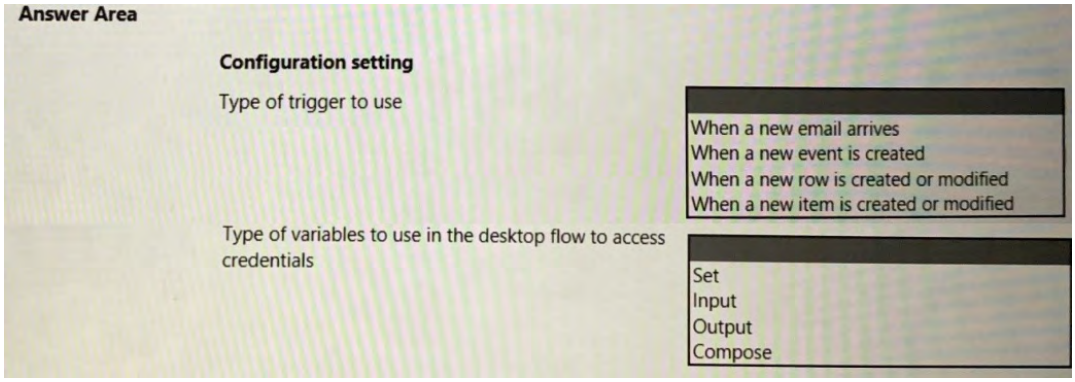
- Share as run only user: This method allows you to grant run-only permissions to another user for the cloud flow, who can only run the flow manually or view its run history. You can use this method to share the cloud flow with User 3, who is a maintenance technician and needs to run the flow on demand.

Question No : 14 HOTSPOT - (Topic 2)

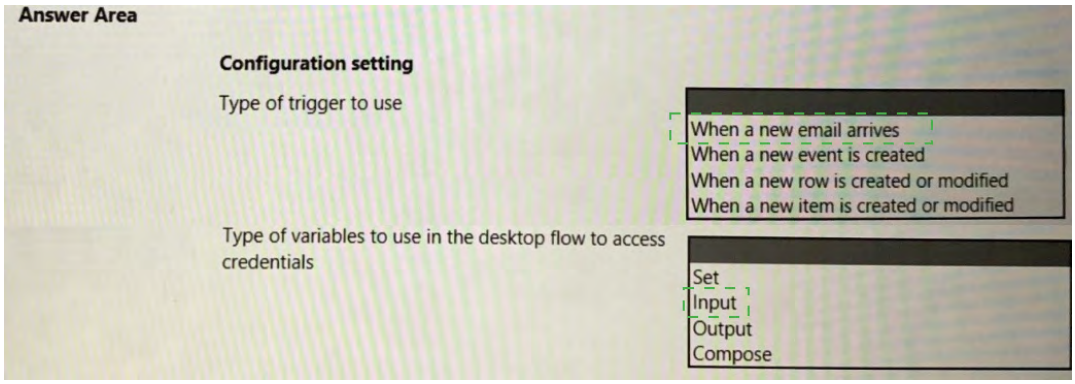
You need to configure the solution for the ERPDataOperations flow.

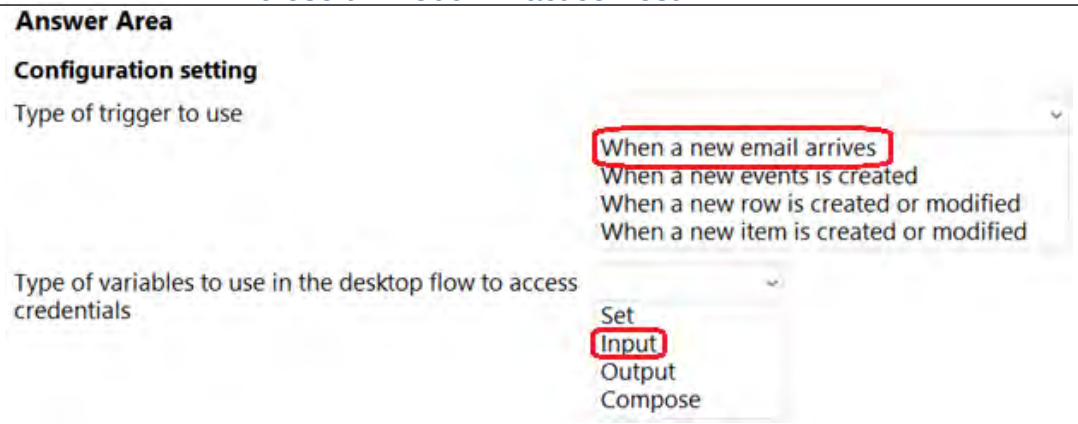
Which configuration values should you use? To answer, select the appropriate options in the answer area,

NOTE: Each correct selection is worth one point.



Answer:





Explanation:

Question No : 15 - (Topic 2)

You need to resolve the issue reported with the RailStatusUpdater flow.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Put the desktop flow action into a Do until loop. Run until the desktop flow is successful.
B. Call a separate child cloud flow to perform the desktop flow a second time.
C. Create a duplicate action for the desktop flow and configure the duplicate action to run if the first desktop flow action fails.
D. Create a duplicate action for the desktop flow to run after the first desktop flow.

Answer: A,C

Explanation: According to the scenario, the RailStatusUpdater flow sometimes fails because of network issues that prevent it from running a desktop flow on a machine. To resolve this issue, you can use one of these two methods:

- Put the desktop flow action into a Do until loop that runs until the desktop flow is successful. This way, the cloud flow will retry running the desktop flow until it succeeds or reaches a maximum number of attempts.
- Create a duplicate action for the desktop flow and configure the duplicate action to run if the first desktop flow action fails. This way, the cloud flow will have a second chance to run the desktop flow if the first attempt fails.

Question No : 16 - (Topic 2)

You need to configure the desktop action for the MaintenanceScheduler cloud flow. Which

two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Select machine settings in Power Automate for desktop.
B. Select the Timeout property and update the duration to PT20M.
C. Select the Timeout property and update the duration to P20M.
D. Launch Power Automate for desktop.
E. Navigate to Desktop flow action settings in the cloud flow.

Answer: A,B

Explanation: According to the scenario, you want to configure the desktop action to run on any available machine in a machine group and to time out after 20 minutes if no machine is available. To do this, you need to select machine settings in Power Automate for desktop and choose a machine group as the target device for your desktop action. Then, you need to select the Timeout property and update the duration to PT20M, which stands for 20 minutes in ISO 8601 format. You do not need to launch Power Automate for desktop or navigate to Desktop flow action settings in the cloud flow, as these steps are not relevant for configuring the desktop action. You also do not need to select C as an answer, as P20M is not a valid ISO 8601 duration format.

Question No : 17 - (Topic 2)

You need to identify the actions that PipelineManager1 can perform.

Which three actions can PipelineManager1 perform? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Override the DLP policy.
B. Modify or delete a flow.
C. Modify the owner's connection credentials.
D. View the run history.
E. Set the cloud flow priority.
F. Add or remove other owners.

Answer: B,D,F

Explanation: According to the scenario, PipelineManager1 is an owner of the RailStatusUpdater cloud flow. As an owner, PipelineManager1 can perform various actions on the flow, such as modifying or deleting it, viewing its run history, and adding or removing other owners. However, PipelineManager1 cannot override the DLP policy, modify the owner’s connection credentials, or set the cloud flow priority, as these actions require