



**Vendor:** Microsoft

**Exam Code:** PL-600

**Exam Name:** Microsoft Power Platform Solution Architect

**Version:** DEMO

## QUESTION 1

### Case Study 1 - First Up Consulting

#### Background

First Up Consulting recruits information technology (IT) workers for temporary or permanent positions at client companies. The company operates offices in multiple countries/regions.

First Up has both full-time and part-time employees. The company has a team of worker support agents that respond to inquiries from current and prospective workers. Some of the worker support agents are multilingual.

The company does not have a standardized tool used for reporting purposes. The organization engages you to implement a new Power Platform solution. Workers are managed by a dedicated team that includes one primary recruiter and a contract assistant. Many client companies live in areas that do not allow for mobile data connections.

#### Current environment

##### Existing systems and processes

- First Up uses an on-premises system to manage current and historical patient data including medications and medical visits.
- The company plans to reference historical data in the existing system. The records held in these systems will not be migrated to the new solution except for medication information.
- Employee authentication with the existing system is provided by an on-premises Active Directory instance that is linked to Azure Active Directory.
- An appointment record is created for each visit with a worker. The record includes worker contact information, preferred language, the date and time of the appointment, and other relevant data. This information is reviewed by the worker's primary recruiter.
- First Up has no current capabilities for forecasting future worker needs based on the data held.

#### Client company visits

Before First Up signs a contract to place workers at a client company, a member of the audit team visits the company and interviews company management. Audit members use different types of devices including Android and iOS devices. First Up has no plans to require the use of a single type of device. Audit team members currently record information about workers on paper forms. Team members enter information from paper forms into the system when they return to the office.

First Up audits client companies at least once each year but may schedule additional visits based on feedback from workers that they place at a client company.

You need to recommend a reporting solution for the organization.

Which two options should you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. AI Builder
- B. SQL Server Reporting Services (SSRS)
- C. Dynamics 365
- D. Power BI

**Answer:** CD

#### Explanation:

Power BI and dynamics 365 provide real-time dashboards, just because there is an issue with viewing reports currently you are proposing a solution moving forward, meaning fix it.

## QUESTION 2

### Case Study 2 - Relecloud

#### Background

Relecloud provides regional air service in North America. The company uses a variety of systems, apps, and services to manage the business. You are hired to design a new solution to manage passenger information, reservations, and maintenance.

#### Current environment

- The company uses Microsoft Office 365.
- The company has a custom app for managing and tracking passenger luggage. The app uses Microsoft Dataverse.
- For flights longer than four hours, passengers receive a meal. Customers can select a meal when they make a reservation and can save the meal choices as a customer preference.
- The company offers two types of meals: standard and vegetarian. Meal types can be temporarily unavailable. The airline is considering offering other meal types, such as gluten-free and low-sodium options.
- The company uses paper-based reservation checklists to help ensure that all the steps for a reservation are complete.
- The company uses vendors to service aircraft.

#### Environment

- Ensure that employees can sign in to all Microsoft apps by using one set of credentials per employee.
- Minimize the use of third-party products and custom development.
- Reduce customer support call volumes by having the system automatically resolve common issues.
- The security rule for agents must contain the privileges in the default Customer Service Representative security role.
- Log issues as cases. The case form must show variable sections based on the case type. Include a custom entity named Seats and grant agents access to the entity.
- Application use layout should be role specific.

You need to recommend a solution for agents when working with customers to make reservations.

What should you recommend?

- A. task flows
- B. Business Process Flows
- C. workflows
- D. Power Automate

**Answer: B**

#### Explanation:

Business process flows provide a guide for people to get work done. They provide a streamlined user experience that leads people through the processes their organization has defined for interactions that need to be advanced to a conclusion of some kind.

Use business process flows to define a set of steps for people to follow to take them to a desired outcome.

With business processes flows available as an entity, you can now use advanced finds, views, charts, and dashboards sourced from business process flow data for a given entity, such as a lead or opportunity.

Scenario:

- Agents need a solution to replace paper reservation checklists.
- Agents need dashboards to show a current count of all reservations on the entity.
- Agents need a way to track reservation issues.
- Agents need a visual indicator in the interface to determine the reservation step to provide a seamless customer experience.

### QUESTION 3

#### Case Study 3 - Fabrikam, inc.

##### Background

Fabrikam, Inc. manufactures industrial metal cutting machines. The company installs and services the machines for customers.

Fabrikam has manufacturing plants in Canada, France, and China. The company also has regional service organizations that are responsible for installation and maintenance of the machines.

##### Current environment

###### Overview

Operations for the company are managed very informally. Only a small number of long-term employees are aware of all manufacturing processes. The company has been experiencing quality issues associated with its manufacturing operations and installations.

The company wants to implement a way to capture quality inspection results for each machine produced. Current inspection checklists are stored in the Files section of a Teams channel for inspectors. Inspectors commonly print the incorrect inspection checklist.

The company has specific inspection stations for certain inspection steps. Each station has the gauges and equipment required for related inspection steps. There is often a backlog at specific inspection stations. This results in delays in shipping machines to customers.

You need to recommend a solution for creating the initial inspection checklists.  
What should you recommend?

- A. Power Apps Maker portal
- B. Dataverse for Teams
- C. Power Apps Studio
- D. Data Migration utility

**Answer: B**

##### Explanation:

Scenario: Standardized checklists must be stored in the solution for use by inspectors. A copy must be created when a new inspection is initiated.

Dataverse for Teams ?built on Microsoft Dataverse ?provides relational data storage, rich data types, enterprise-grade governance, and one-click solution deployment to the Microsoft Teams app store.

Dataverse for teams table creation has all of the things that are great about Microsoft Lists, without the major downsides.

Reference:

<https://docs.microsoft.com/en-us/powerapps/teams/create-table>

#### QUESTION 4

You are designing a Power Platform solution.

The company wants its development team to adopt the construction of repeatable components for its implementation team to reuse on different entities and forms.

You need to recommend a technology that meets these requirements.

Which technology would you recommend the developers adopt to assist the implementation team?

- A. JavaScript
- B. Power Apps Component Framework control
- C. Web resource
- D. Canvas app

**Answer: B**

**Explanation:**

Power Apps component framework empowers professional developers and app makers to create code components for model-driven and canvas apps (public preview) to provide enhanced user experience for the users to work with data on forms, views, and dashboards.

Reference:

<https://docs.microsoft.com/en-us/powerapps/developer/component-framework/overview>

#### QUESTION 5

A company uses manual processes to track interactions with customers. The company wants to use Power Platform to improve productivity.

The company has the following requirements:

- Provide customers with an online portal where they can submit and review cases.
- Ensure that customers can chat online with a customer service representative at any time.
- Route chats to customer service representatives based on skill and availability.

You need to recommend a solution to the company.

Which three components should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Dynamics 365 Virtual Agents chatbots
- B. Customer self-service portal
- C. Dynamics 365 Field Service
- D. Business process flows
- E. Omnichannel for Customer Service

**Answer: ABE**

**Explanation:**

(1) Provide customers with an online portal where they can submit and review cases.

B. Customer self-service portal

(2) Ensure that customers can chat online with a customer service representative at any time.

A. Dynamics 365 Virtual Agents chatbots

"With Power Virtual Agents, you can hand off conversations to live agents seamlessly and contextually."

<https://docs.microsoft.com/en-us/power-virtual-agents/advanced-hand-off>

(3) Route chats to customer service representatives based on skill and availability.

E. Omnichannel for Customer Service

"In the customer service center, your agents have different skillsets and abilities."

<https://docs.microsoft.com/en-us/dynamics365/customer-service/overview-skill-work-distribution>

## QUESTION 6

### Hotspot Question

An animal welfare organization wants to track the movement of wolf packs in a region. Cameras at specific locations capture images when motion is detected within the camera sensor range. Staff upload the images manually to a shared drive and then analyze the images.

The organization wants to automate image capture and analysis. The organization has the following requirements:

- Save captured images in an appropriate location.
- Analyze saved images by using an image recognition process.
- Display data in real-time dashboards.

You need to recommend the correct technology for the requirements.

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

NOTE: Each correct selection is worth one point.

## Answer Area

Requirement	Technology option
Save captured images in an appropriate location.	<div>▼</div> <div>Business process flow</div> <div>Desktop flow</div> <div>Instant cloud flow</div> <div>Automated cloud flow</div>
Analyze saved images by using an image recognition process.	<div>▼</div> <div>Instant cloud flow and AI Builder</div> <div>Automated cloud flow and AI Builder</div> <div>Desktop flow and AI Builder</div>
Display data in real-time dashboards.	<div>▼</div> <div>Dynamics 365 interactive experience dashboard</div> <div>Model-driven app dashboard with native graphs</div> <div>Model-driven app dashboard with Power BI</div>

Answer:

## Answer Area

Requirement	Technology option
Save captured images in an appropriate location.	<div> <div></div> <div> Business process flow Desktop flow Instant cloud flow Automated cloud flow </div> </div>
Analyze saved images by using an image recognition process.	<div> <div></div> <div> Instant cloud flow and AI Builder Automated cloud flow and AI Builder Desktop flow and AI Builder </div> </div>
Display data in real-time dashboards.	<div> <div></div> <div> Dynamics 365 interactive experience dashboard Model-driven app dashboard with native graphs Model-driven app dashboard with Power BI </div> </div>

### Explanation:

Box 1: Automated cloud flow.

Create a cloud flow when you want your automation to be triggered either automatically, instantly, or via a schedule.

Automated flows: Create an automation that is triggered by an event such as arrival of an email from a specific person, or a mention of your company in social media.

Box 2: Automated cloud flow and AI Builder

A cloud flow can be triggered when a new file is added to a cloud service such as onedrive.

Box 3: Dynamics 365 interactive experience dashboard

There is no real-time data in Power BI. We can have very recently refreshed data, but not real time data, so we would have to use the dashboard options within dynamics.

Reference:

<https://docs.microsoft.com/en-us/power-automate/flow-types>

<https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-data>

### QUESTION 7

A client uses Dynamics 365 Sales, Power BI datasets, and Power BI dataflows.

The Dynamics 365 Sales implementation has security roles that restrict data export. You need to ensure that data has the same restrictions in Power BI as it does in Dynamics 365 Sales.

You need to design the security to avoid sensitive data from being seen.



Which two actions should you recommend? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Use Microsoft Dataverse restrictions before setting up the Power BI reports.
- B. Limit the role in Dynamics 365 Sales to only data allowed so it cannot be exported to Microsoft Excel.
- C. Limit the role and ensure that exporting to Microsoft Excel is not allowed in both Dynamics 365 Sales and Power BI.
- D. Share Power BI dashboards only with users who are supported to see this data.

**Answer:** CD

**Explanation:**

For individual reports you can click on the 'Settings' option which is the gear icon against the said report name and choose 'Export Data' to 'None'.

Reference:

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-share-dashboards>

<https://docs.microsoft.com/en-us/business-applications-release-notes/october18/intelligence-platform/power-bi-desktop/per-report-control-data-export>

#### QUESTION 8

You are a Power Platform consultant for an internet support company. The company lacks a budget to buy third-party ISVs or add-ons. The company requires a new system that achieves the following:

- All support issues must come in by email, need to be logged, and assigned to the support group.
- Accounts must synchronize with the parent company Oracle database.
- Reports must be sent to the executives on a weekly basis.
- No custom code will be used in the system.

You need to recommend the components that should be configured.

Which two components should you recommend? Each correct answer presents part of the solution.

**NOTE:** Each correct selection is worth one point.

- A. Power Virtual Agents
- B. Microsoft Dataverse
- C. server-side synchronization
- D. Microsoft Customer Voice

**Answer:** BC

**Explanation:**

B - "You can now connect to your Oracle Database from PowerApps, Flow and Logic Apps."

<https://powerapps.microsoft.com/en-us/blog/connecting-to-oracle-database-from-powerapps-flow-and-logic-apps/>

C - "Server-Side Synchronization or Email Router. When you select this option, the server-side synchronization or Email Router will process email messages directly from the user's or queue's inbox"

<https://docs.microsoft.com/en-us/power-platform/admin/set-incoming-outgoing-email-synchronization>



### QUESTION 9

A company has a website that contains a form named Contact Us. Data from completed forms is saved to a shared document. An office administrator periodically reviews the document. The office administrator sends new submissions to another employee who creates contacts or updates existing contacts.

You need to recommend a solution to automate the process.

What should you recommend?

- A. Excel Online Connector
- B. Dynamics 365 Customer Insights
- C. Dynamics 365 Customer Service
- D. Dynamics 365 Marketing

**Answer: D**

**Explanation:**

Create, view, and manage marketing forms

Update contacts/leads: Choose which types of records can be created or updated in response to a form submission. Usually you should leave this set to Contacts and leads

Reference:

<https://docs.microsoft.com/en-us/dynamics365/marketing/marketing-forms>

### QUESTION 10

A company has a custom web-based solution that is hosted on Azure. You design a Power Platform solution to provide the company additional capabilities.

You need to integrate the Power Platform solution with the web-based solution.

What should you recommend?

- A. Connection reference
- B. Custom connector
- C. Desktop flow
- D. Data gateway

**Answer: B**

**Explanation:**

A custom connector in Power Platform is a wrapper around a REST API that allows Power Automate or Power Apps to communicate with that REST API. Connectors created in Power Automate are available in Power Apps. Likewise, connectors created in Power Apps are available in Power Automate.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/create-custom-connector-power-platform/1-introduction>

### QUESTION 11

A company has a list of contacts in a Microsoft Excel file.

The company wants to load the contact information into a Power Platform solution.

You need to recommend a data-loading solution.

What should you recommend?

- A. Use the Excel Template feature.
- B. Add to an existing list of contacts in a static worksheet.
- C. Use the import from Excel feature.

**Answer: A**

**Explanation:**

Import data that's stored somewhere else into your model-driven app using the import feature in Power Apps.

Every table has required columns that must exist in your input file. It's recommended that you download an Excel template, add your data, and then import the file to your app. The template saves time and effort. Don't add or modify columns in the template to avoid issues during the import.

Note:

Step 1: Download an Excel template

To avoid mapping issue, it's recommended that you use an Excel template that you can download from your app. Once the template is downloaded add your data and then import the file back to your app. Remember don't add or modify columns in the template to avoid issues during the import process.

Step 2: Import your data

Use the template that you downloaded in the previous step (modified with your data) and import the file to your app.

Reference:

<https://docs.microsoft.com/en-us/powerapps/user/import-data>

## QUESTION 12

You are designing a database table for a client.

You have the following requirements:

- Maintain a comprehensive list of colors and their corresponding RGB values and hexadecimal values.
- Prevent the addition of duplicate colors based on the hexadecimal value for the color.

You need to recommend a design for the table.

Which two actions should the client perform after the table is created? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Mark the hex value column as business required.
- B. Configure and schedule a recurring bulk record deletion job.
- C. Create alternate keys for the table.
- D. Mark the RGB value column as business required.

**Answer: AC**

**Explanation:**

A: Even if you set hex as alt key it will still be nullable. During the duplicate detection process, if a field has an empty value (translated to NULL in the database) in one of the fields, the record will not be identified as a duplicate. You will need the field to be business required.

C: With alternate keys you can now define a column in a Dataverse table to correspond to a unique identifier (or unique combination of columns) used by the external data store. This alternate key can be used to uniquely identify a record in Dataverse in place of the primary key. You must be able to define which columns represent a unique identity for your records. Once you identify the columns that are unique to the table, you can declare them as alternate keys through the customization user interface (UI) or in the code.

Reference:

<https://docs.microsoft.com/en-us/powerapps/maker/data-platform/create-edit-field-portal>

<https://docs.microsoft.com/en-us/powerapps/developer/data-platform/define-alternate-keys-entity>

### QUESTION 13

A company is implementing Dynamics 365 Sales.

The company has turned off out-of-the-box quote calculations in order to implement its own custom calculations.

When users update a line item on a quote, they expect to see an updated total for the quote in real time. Users are reporting inconsistent behavior, with some aggregations taking up to two hours.

You review the system design and notice many asynchronous workflows.

You need to recommend a solution to enable the calculation in real time.

Which two options should you recommend? Each answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Consolidate asynchronous workflow into a single real-time workflow.
- B. Consolidate multiple asynchronous workflows into a single asynchronous workflow.
- C. Implement a business process flow to replace the existing workflows.
- D. Convert the asynchronous workflows to a synchronous plug-in.

**Answer:** AD

**Explanation:**

Having a BPF won't necessarily answer the requirement but changing the workflows logic to a sync plugin will work, even though we'll probably need to write more code

### QUESTION 14

You are designing a model-driven app that allows a company to manage sales opportunities. The company has a complex security model that includes the following requirements:

- The vice president of sales must be able to see opportunities for sales managers and sales representatives.
- Sales managers must be able to see opportunities for all sales representatives.
- Sales representatives must only see opportunities that they own.

You need to recommend security tools for controlling user access.

Which two tools should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Account hierarchy
- B. Field security profile
- C. Position hierarchy
- D. Security roles

**Answer:** CD

**Explanation:**

With the position hierarchy security, a user at a higher position has access to the records owned by a lower position user or by the team that a user is a member of, and to the records that are directly shared to the user or the team that a user is a member of. The hierarchy security model is an extension to the earlier security models that use business units, security roles, sharing, and teams. It can be used in conjunction with all other existing security models.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/security-dev/hierarchical-security-control-access-entities>

**QUESTION 15**

A company has a Power Platform solution that integrates with a third-party system.

The client reports that unexpected updates are being made to the Accounts table.

You need to determine the root cause of the issue.

In which three locations should you investigate? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

- A. Audit summary view
- B. Solution history
- C. SDK Message Processing Steps
- D. Plug-in trace log
- E. System job run history

**Answer:** ADE

**Explanation:**

System job run history will give us information on async jobs executions that run against the records. Could tell us about weird executions and updates like the trace log or the audit history of the record.

Built in system jobs for tuning such as Database index management. Rollup field calculations run as jobs, bulk deletion jobs, duplicate detection jobs. Asynchronous Dataverse workflows and asynchronous plugins also run as jobs.

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