

Study guide for Exam PL-100: Microsoft Power Platform App Maker

Purpose of this document

This study guide should help you understand what to expect on the exam and includes a summary of the topics the exam might cover and links to additional resources. The information and materials in this document should help you focus your studies as you prepare for the exam.

Useful links	Description
Review the skills measured as of March 15, 2023	This list represents the skills measured AFTER the date provided. Study this list if you plan to take the exam AFTER that date.
Review the skills measured prior to March 15, 2023	Study this list of skills if you take your exam PRIOR to the date provided.
Change log	You can go directly to the change log if you want to see the changes that will be made on the date provided.
How to earn the certification	Some certifications only require passing one exam, while others require passing multiple exams.
Certification renewal	Microsoft associate, expert, and specialty certifications expire annually. You can renew by passing a free online assessment on Microsoft Learn.
Your Microsoft Learn profile	Connecting your certification profile to Learn allows you to schedule and renew exams and share and print certificates.
Passing score	A score of 700 or greater is required to pass.
Exam sandbox	You can explore the exam environment by visiting our exam sandbox
Request accommodations	If you use assistive devices, require extra time, or need modification to any part of the exam experience, you can request an accommodation.
Take a practice test	Are you ready to take the exam or do you need to study a bit more?

Updates to the exam

Our exams are updated periodically to reflect skills that are required to perform a role. We have included two versions of the Skills Measured objectives depending on when you are taking the exam.

We always update the English language version of the exam first. Some exams are localized into other languages, and those are updated approximately eight weeks after the English version is updated. While Microsoft makes every effort to update localized versions as noted, there may be times when the localized versions of an exam are not updated on this schedule. Other available languages are listed in the **Schedule Exam** section of the **Exam Details** webpage. If the exam isn't available in your preferred language, you can request an additional 30 minutes to complete the exam.

Note

The bullets that follow each of the skills measured are intended to illustrate how we are assessing that skill. Related topics may be covered in the exam.

Note

Most questions cover features that are general availability (GA). The exam may contain questions on Preview features if those features are commonly used.

Skills measured as of March 15, 2023

Audience profile

The candidate envisions and creates business solutions to simplify and automate tasks and processes for themselves and their team. They understand the data that they are working with, the issues that they need to resolve, and the required processes and app experiences. The candidate may not have formal IT training but is comfortable using technology to solve business problems.

The candidate is self-directed and focuses on solving problems that they encounter as part of their primary job role. They may connect to and use features of apps including Microsoft Power Platform, Microsoft Teams, Microsoft 365 apps and services, and third-party solutions. The candidate has a desire to understand the capabilities and limitations of available tools and understand how to apply them.

- Design business solutions (20–25%)
- Analyze and visualize data (10–15%)
- Create business solutions (60–65%)

Design business solutions (20–25%)

Create a high-level design

- Identify existing data sources needed to support a business solution
- Describe the expected user experience for targeted devices and describe the differences between Microsoft Power Platform app types
- Describe the expected logic and steps that a process will execute
- Create a high-level structure for a new data source

Identify Microsoft Power Platform components

- Determine the required Microsoft Power Apps app type for a business solution
- Determine when to use Microsoft Dataverse for Teams
- Map a problem domain to Microsoft Power Platform tools
- Identify options for implementing business logic
- Describe connectors
- Describe use cases for cloud flows and desktop flows
- Describe use cases for chatbots

Design the user interface (UI) for a business solution

- Identify opportunities for component reuse
- Select UI elements for canvas apps
- Identify the model-driven forms and Dataverse views that are needed

Design reporting and visualizations for business solutions

- Select reporting options for business solutions including views, Microsoft Power BI visualizations, and dashboards
- Define visualizations for Power BI dashboards
- Define visualizations for model-driven dashboards
- Define visualizations for canvas apps

Analyze and visualize data (10–15%)

Create and consume Power BI dashboards

- Create a simple report from an existing dataset by using Power BI Service
- Create Power BI dashboards from existing reports
- Embed Power BI dashboards and tiles in canvas apps and model-driven apps
- Share Power BI dashboards

Describe AI Builder models

- Describe use cases for AI Builder
- Describe differences between prebuilt models and custom models
- Describe the process for training custom models
- Use a model from within Microsoft Power Automate or Microsoft Power Apps

Create business solutions (60–65%)

Manage Microsoft Power Platform components during development

- Create a publisher in Dataverse
- Create a Dataverse solution
- Export or import Dataverse solution

- Export or import a canvas app or a cloud flow
- Add existing apps and flows to a Dataverse solution

Create model-driven apps

- Create model-driven apps
- Create and configure Dataverse table forms
- Create and configure Dataverse table views
- Share model-driven apps with other users and groups
- Create and configure model-driven dashboards

Create and manage canvas apps

- Connect to data sources in canvas apps
- Interpret App checker results
- Manage versions of canvas apps
- Publish canvas apps
- Share canvas apps with other users and groups
- Build canvas apps screens
- Add canvas app assets and components to screens

Create screens for canvas apps

- Determine when to use forms, galleries, button, labels, input controls, images, and custom controls
- Configure UI elements
- Implement Power Fx formulas
- Implement collections and variables
- Run a cloud flow from a canvas app

Configure Microsoft Dataverse

- Create tables and table columns based on a data model
- Link tables by using lookups
- Describe use cases and capabilities of business rules
- Create Dataverse business rules
- Describe how Dataverse uses role-based access control (RBAC)
- Add table permissions to existing Dataverse security roles

Create Power Automate flows

- Describe types of triggers for cloud flows
- Create cloud flows
- Configure triggers for cloud flows
- Configure flow actions
- Test a cloud flow and interpret flow checker results

- Implement conditional logic for a cloud flow
- Create approvals and monitor the approval process by using Power Automate and Teams
- Share cloud flows
- Create a desktop flow for personal use

Create Microsoft Power Virtual Agents chatbots in Microsoft Teams

- Identify use cases and capabilities for chatbots
- Create a chatbot that uses topics and trigger phrases
- Test a chatbot
- Publish a chatbot

Study resources

We recommend that you train and get hands-on experience before you take the exam. We offer self-study options and classroom training as well as links to documentation, community sites, and videos.

Study resources	Links to learning and documentation
Get trained	Choose from self-paced learning paths and modules or take an instructor led course
Find documentation	Microsoft Power Apps documentation Microsoft Dataverse Power BI documentation Power Automate documentation Microsoft Power Virtual Agents documentation Planning a Power Apps project Canvas apps Model-driven apps
Ask a question	Microsoft Q&A Microsoft Docs
Get community support	Power Apps - Power Platform Community Microsoft Power Automate - Power Platform Community
Follow Microsoft Learn	Microsoft Learn - Microsoft Tech Community
Find a video	#LessCodeMorePower Shows Browse other Microsoft Learn shows

Change log

Key to understanding the table: The topic groups (also known as functional groups) are in bold typeface followed by the objectives within each group. The table is a comparison between the two versions of the exam skills measured and the third column describes the extent of the changes.

Skill area prior to March 15, 2023	Skill area as of March 15, 2023	Change
Audience Profile		No change
Design business solutions	Design business solutions	No change
Create a high-level design	Create a high-level design	Minor
Identify Microsoft Power Platform components	Identify Microsoft Power Platform components	Minor
Design the user interface (UI) for a business solution	Design the user interface (UI) for a business solution	Minor
Design reporting and visualizations for business solutions	Design reporting and visualizations for business solutions	Minor
Analyze and visualize data	Analyze and visualize data	No change
Create and consume Power BI dashboards	Create and consume Power BI dashboards	Minor
Describe AI Builder models	Describe AI Builder models	Minor
Create business solutions	Create business solutions	No change
Manage Microsoft Power Platform components during development	Manage Microsoft Power Platform components during development	Major
Create model-driven apps	Create model-driven apps	Minor
Create and manage canvas apps	Create and manage canvas apps	Minor
Create screens for canvas apps	Create screens for canvas apps	Minor
Configure Microsoft Dataverse	Configure Microsoft Dataverse	No change
Create Power Automate flows	Create Power Automate flows	Minor
Create Power Virtual Agents chatbots in Microsoft Teams	Create Power Virtual Agents chatbots in Microsoft Teams	Minor

Skills measured prior to March 15, 2023

Audience profile

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- Determine when to use Dataverse for Teams
- Map a problem domain to Microsoft Power Platform tools
- Identify options for implementing business logic
- Describe connectors
- Describe uses cases for cloud flows and desktop flows
- Describe use cases for chatbots in Microsoft Teams

Design the user interface (UI) for a business solution

- Identify opportunities for component reuse
- Select UI elements for canvas apps
- Identify the model-driven forms and Microsoft Dataverse views that are needed

Design reporting and visualizations for business solutions

- Select reporting options for business solutions including views, Power BI visualizations, and dashboards
- Define visualizations for Power BI dashboards

- Define visualizations for model-driven dashboards
- Define visualizations for canvas apps

Analyze and visualize data (10–15%)

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Describe AI Builder models

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- Describe differences between prebuilt models and custom models
- Describe the process for training custom models
- Use a model from within Power Automate or Power Apps

Create business solutions (60–65%)

Manage Microsoft Power Platform components during development

- Create a Dataverse solution
- Import a Dataverse solution
- Import or export a canvas app or a cloud flow
- Add existing apps and flows to a Dataverse solution

Create model-driven apps

- Compose model-driven apps
- Create and configure Dataverse table forms
- Create and configure Dataverse table views
- Share model-driven apps with other users and groups
- Create and configure model-driven dashboards

Create and manage canvas apps

- Connect to data sources in canvas apps
- Interpret App Checker results
- Manage versions of canvas apps
- Publish canvas apps
- Share canvas apps with other users and groups
- Build canvas apps screens
- Add canvas app assets and components to screens

Create screens for canvas apps

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Create Power Automate flows

- Describe types of triggers for cloud flows
- Create cloud flows
- Configure triggers for cloud flows
- Configure flow steps
- Test a cloud flow
- Implement conditional logic for a cloud flow
- Create approvals and monitor the approval process by using Power Automate and Microsoft Teams
- Share cloud flows
- Create a desktop flow for personal use

Create Power Virtual Agents chatbots in Microsoft Teams

- Identify use cases and capabilities for chatbots
- Create a chatbot that uses topics and trigger phrases
- Test a chatbot
- Publish a chatbot