

Hide menu

Welcome to the course

- ✓ **Reading:** Microsoft Power Platform Fundamentals Specialization 5 min
- ✓ **Video:** An overview of Microsoft Power Platform Fundamentals 4 min
- ✓ **Video:** Introduction to Microsoft Power Platform Fundamentals 4 min
- ✓ **Video:** Microsoft Certified: Power Platform Fundamentals 3 min
- 📖 **Reading:** Exam PL-900: Microsoft Power Platform Fundamentals 5 min
- 📝 **Discussion Prompt:** Meet and greet 5 min
- 📖 **Reading:** How to be successful in this course 5 min

Introduction to

Introduction to Microsoft Power Platform > Module 1 > Exam PL-900: Microsoft Power Platform Fundamentals

< Previous Next >

Exam PL-900: Microsoft Power Platform Fundamentals

The Microsoft Certified: Power Platform Fundamentals certification could be a great fit for you if you'd like to:

- Demonstrate knowledge in building solutions with Microsoft Power Platform.
- Show familiarity in automating basic business processes with Power Automate and in creating simple Power Apps experiences.
- Highlight familiarity in performing data analysis with Power BI and in building practical chatbots with Power Virtual Agents.

Give yourself the professional advantage

If you're a student, business user, or beginning technical professional, this certification can accelerate your progress and give your career a boost, as you use your Microsoft Power Platform skills to improve your team's productivity.

You don't need any specific experience to take this exam. It is recommended to have familiarity with computer technology, data analytics, cloud computing, and the internet.

This fundamentals certification can serve as a stepping stone for anyone interested in advancing to other certifications.

We encourage you to develop the digital skills you need to advance your career.

Now, let's take a look at the skills measured in Exam PL-900: Microsoft Power Platform Fundamentals.

Skills Measured

This exam measures your ability to describe the business value of Power Platform; identify the core components of Power Platform; demonstrate the capabilities of Power BI; describe the capabilities of Power Apps; demonstrate the capabilities of Power Automate, and demonstrate the business value of Power Virtual Agents.

Note: The bullets that appear below each of the skills measured are intended to illustrate how the skill is assessed. This list is NOT definitive or exhaustive.

Note: Most questions cover features that are General Availability (GA). The exam may contain questions on Preview features if those features are commonly used.

Describe the business value of Power Platform (15-20%)

Describe the business value of Power Platform services

- analyze data by using Power BI
- act with Power Apps
- build solutions that use Microsoft Dataverse
- create flows by using Power Automate
- use connectors to access services and data
- create powerful chatbots by using a guided, no-code graphical interface

Describe the business value of extending business solutions by using Power Platform

- describe how Dynamics 365 apps can accelerate the delivery of Power Platform business solutions
- describe how Power Platform business solutions can be used by Microsoft 365 apps including Microsoft Teams
- describe how Power Platform business solutions can consume Microsoft 365 services
- describe how Power Platform business solutions can consume Microsoft Azure services including Azure Cognitive Services
- describe how Power Platform business solutions can consume third-party apps and services

Describe Power Platform administration and security

- describe how Power Platform implements security including awareness of Microsoft Dataverse security roles, Azure Identity Services, and Access Management (IAM)
- describe how to manage apps and users
- describe environments
- describe where to perform specific administrative tasks including Power Platform Admin center, Microsoft 365 admin center
- describe Data Loss Prevention (DLP) policies
- describe how the platform supports privacy and accessibility guidelines

Identify the Core Components of Power Platform (15-20%)

Describe Microsoft Dataverse

- describe the Power Apps user experience
- describe tables, columns, and relationships
- describe a use case for solutions
- describe use cases and limitations of business rules
- describe Common Data Model (CDM)
- describe how to use common standard tables to describe people, places, and things

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Describe Connectors

- describe the native Dataverse connection experience
- describe triggers including trigger types and where triggers are used
- describe actions
- describe licensing options for connectors including standards or premium tier
- identify use cases for custom connectors

Describe AI Builder

- identify the business value of AI Builder
- describe models including business card reader, detection model, form processing model, and prediction model
- describe how the Power Apps and Power Automate can consume AI Builder data

Demonstrate the capabilities of Power BI (15-20%)

Identify common Power BI components

- identify and describe uses for visualization controls including pie, bar, donut, and scatter plots and KPI's
- describe types of filters
- describe the Power BI Desktop Reports, Data, and Model tabs
- describe uses for custom visuals including charts or controls

Compare and contrast dashboards and workspaces

- compare and contrast Power BI Desktop and Power BI Service
- compare and contrast dashboards, workspaces, and reports

Connect to and consume data

- combine multiple data sources
- clean and transform data
- describe and implement aggregate functions
- identify available types of data sources including Microsoft Excel
- describe use cases for shared datasets and template apps and how to consume each

Build a basic dashboard using Power BI

- design a Power BI dashboard
- design data layout and mapping
- publish and share reports and dashboards

Demonstrate the capabilities of Power Apps (15-20%)

Identify common Power Apps components

- describe differences between canvas apps and model-driven apps
- describe portal apps
- identify and describe types of reusable components including canvas component libraries and Power Apps Component Framework (PCF) components
- describe use cases for formulas

Build a basic canvas app

- describe types of data sources
- connect to data by using connectors
- combine multiple data sources
- use controls to design the user experience
- describe the customer journey
- publish and share an app

Describe Power Apps portals

- create a portal by using a template
- describe common portal customizations
- identify differences in portal behavior based on whether a user is authenticated
- apply a theme to a portal

Build a basic model-driven app

- add tables to app navigation
- modify forms and views
- publish and share an app

Demonstrate the capabilities of Power Automate (15-20%)

Identify common Power Automate components

- identify flow types
- describe use cases for flows and available flow templates
- describe how Power Automate uses connectors
- describe loops and conditions including switch, do until, and apply to each
- describe expressions
- describe approvals

Build a basic flow

- create a flow by using the button, automated, or scheduled flow template
- modify flow
- use flow controls to perform data operations
- run a flow
- modify a flow

Demonstrate the capabilities of Power Virtual Agents (10-15%)**Describe Power Virtual Agents' capabilities**

- describe use cases for Power Virtual Agents
- describe where you can publish chatbots
- describe topics, entities, and actions
- describe message nodes, question nodes, conditions, trigger phrases, and the authoring canvas
- identify common pre-built entities

Build and publish a basic chatbot

- create a chatbot
- create a topic
- call an action
- test a chatbot
- publish a chatbot
- monitor chatbot usage
- monitor chatbot performance

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