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# Microsoft Power Platform Fundamentals Specialization

Welcome to the Microsoft Power Platform Fundamentals Specialization!

In this Specialization, you will learn the business value and product capabilities of Power Platform. You will create simple Power Apps, connect data with Microsoft Dataverse, build a Power BI Dashboard, automate a process with Power Automate, and build a chatbot with Power Virtual Agents.

By the end of this Specialization, you will be able 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 business value of Power Virtual Agents

Microsoft's Power Platform is not just for programmers and specialist technologists. If you, or the company that you work for, aspire to improve productivity by automating business processes, analyzing data to produce business insights, and acting more effectively by creating simple app experiences or even chatbots, this is the right Specialization to kick-start your career and learn amazing skills.

Microsoft Power Platform Fundamentals will act as a bedrock of fundamental knowledge to prepare you for the Microsoft Certification: Power Platform Fundamentals - PL900 Exam. You will be able to demonstrate your real-world knowledge of the fundamentals of Microsoft Power Platform.

This Specialization can accelerate your progress and give your career a boost, as you use your Microsoft skills to improve your team's productivity.

To be successful in this Specialization, you should have a basic familiarity with computer technology, data analytics, cloud computing, and the internet.

The modules and resources that you will work through and explore in this Specialization will help you to prepare for the Exam: PL-900 Microsoft Power Platform Fundamentals.

## Course 1: Introduction to Microsoft Power Platform

Learn about the components of Microsoft Power Platform, the business value for customers, and security of the technology.

By the end of the course, you will be able to:

- Describe the components of Microsoft Power Platform, the business value for customers, and security of the technology.
- Define the basic concepts of the Dataverse and ways you can connect and customize data connections to Microsoft Power Platform applications.
- Recognize the value and capabilities of Power Apps and ways other organizations have leveraged this technology to build simple applications for their business.

## Course 2: Use Power Platform for custom & automated solutions

Power Apps allows businesses to create custom solutions for everyday problems. In this course, you will learn how to build and customize a canvas app from scratch, and to leverage Power Apps to create model-driven apps.

You will also learn about the value of Power Apps portals and how you can leverage them to allow internal and external audiences to view and interact with data from Microsoft Dataverse or Dynamics 365.

By the end of the course, you will be able to:

- Build and customize a canvas app from scratch.
- Leverage Power Apps to create model-driven apps with little or no code.
- Explain the value of Power Apps portals and how you can leverage it to allow internal and external audiences to view and interact with data from Microsoft Dataverse or Dynamics 365.
- Use Power Automate to create repeatable business process flows that when triggered leap into action and perform the process for them.
- Leverage Power Automate to build a simple workflow to help improve productivity and simplify tasks.

## Course 3: Power BI & Power Virtual Agents

Power BI helps business users and developers alike to easily analyze, visualize, and collaborate on data. This course will teach you how to do all of that without affecting your underlying dataset.

Learn how Power Virtual Agents will help you publish bots to engage with your customers on multiple platforms or channels. These can include live websites, mobile apps, and messaging platforms like Microsoft Teams and Facebook, etc.

By the end of the course, you will be able to:

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- Define Power BI concepts.
- Leverage Power BI to easily build reports and dashboards with interactive visualization.
- Explain how other organizations have used this solution to drive business results with actionable insights.
- Define chatbot concepts.
- Explain the value and capabilities of Power Virtual Agents and ways organizations can leverage this technology to build chatbot solutions for their business.
- Leverage Power Virtual Agents to quickly and easily create powerful bots using a guided, no-code graphical experience.

## Course 4: The practice exam

In this course, you will have the opportunity to take a practice exam and validate your knowledge and understanding of the exam experience.

By the end of the course, you will be able to:

- Prepare to take the certification exam.
- Recap on the content covered in the previous five modules.
- Take a practice exam.


## Practical Exercises

We encourage you to complete the practical exercises in this course. By completing these exercises you will have a more practical understanding of how to explore Microsoft Power Platforms. This hands-on approach will help you in your preparation for the Exam: PL-900 Microsoft Power Platform Fundamentals.

To ensure you are prepared for the exam, we recommend:

- Working through all of the content in this course. This includes videos, readings, exercises, knowledge checks, graded quizzes, and additional resources.
- Preparing for and taking the practice exam to validate your knowledge and understanding of the exam experience.

## Microsoft account


You can explore all the Power Apps capabilities for free by signing up for a 30-day Power Apps trial plan. To find out more about signing up please open [this link](#) .

If you don't have a license for Power Apps, the trial plan provides temporary access to do the following activities:

- Extend the capabilities of Office 365 (SharePoint Online, Teams, Excel, and more)
- Create and run canvas apps that connect to Microsoft Dataverse and a wide range of more than 200 other data sources, including premium connectors and on-premises data
- Create and run model-driven apps
- Create automated workflows with Power Automate
- Create and manage environments and Dataverse databases

If you have a Power Apps license or a license through Office 365, you already have access to some of these features. However, the trial license temporarily expands your access to include all features in the previous list.

## Continue your education

Depending on your goals, you may choose to continue learning. Take a look at the Microsoft certification pages to learn more about the [certifications](#)  that are available to you.

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