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Microsoft Power Platform Fundamentals

Course #: PP-100 **Duration:** 1 day

Prerequisites

Comfortable using business apps (Microsoft 365, web apps, basic spreadsheets). No coding required.

Details

In this course, students get a fast, practical tour of Microsoft Power Platform, what it is, what each part is best at, and how the pieces work together to solve real business problems. You will explore the platform's modern building blocks, Microsoft Dataverse, connectors, environments, and governance, then walk through guided, beginner-friendly builds in Power Apps, Power Automate, and Power Pages. The day is intentionally aligned to the current PL-900 exam skills measured, including Copilot and generative AI concepts and Copilot Studio fundamentals.

Software Needed

Participants should have access to a modern web browser, along with a reliable internet connection. A Microsoft work or school account is recommended to fully participate in demonstrations and hands-on activities. Learners will need access to a Microsoft Power Platform environment, which may be provided by their organization or created using a trial license where permissions allow.

Outline

Microsoft Power Platform Fundamentals

- **Power Platform Overview and Business Value (PL-900: 15–20%)**
  - What is Power Platform and what it is designed to solve
  - The role of each service
    - Power Apps for business applications
    - Power Automate for workflow automation
    - Power Pages for websites and self-service
    - Dataverse for organizing business data
    - Connectors for integrating data and services
  - Power Platform working with Microsoft 365 and Teams
  - Power FX fundamentals
  - Copilots and generative AI in Power Platform
  - Copilot Studio value and where it fits
- **Dataverse, Environments, Security, and Governance (PL-900: 15–20%)**
  - Dataverse basics
    - Tables, columns, and relationships
    - Dataverse vs traditional databases
    - Business logic options in Dataverse
    - Import and export options

        - Creating or modifying tables and columns through conversations
    - Environments and why they matter
    - Security model basics
    - Admin centers and maker portals you should recognize
    - Data privacy and accessibility expectations in platform solutions

- **Power Apps Capabilities and Guided Builds (PL-900: 25–30%)**
    - Recognizing when to use canvas apps vs model-driven apps
    - Canvas apps essentials
        - Connecting to data with connectors
        - Common controls and screen patterns
        - Building responsive pages using containers
        - Copilot controls overview
        - Sharing a canvas app
    - Model-driven apps essentials
        - Creating an app from Dataverse
        - Working with forms and views
        - Exploring model-driven features at a fundamentals level
        - Sharing a model-driven app

- **Power Automate Capabilities and Guided Build (PL-900: 15–20%)**
    - Flow types and where each fits
    - Templates and common automation scenarios
    - Triggers and actions using connectors
    - Approvals and common Microsoft 365 use cases
    - Understanding the Power Automate ecosystem
    - Build, test, run, and monitor a basic cloud flow

- **Power Pages Capabilities and Guided Build (PL-900: 10–15%)**
    - When Power Pages is the right choice (external users, partner access, customer self-service)
    - Site creation basics and design concepts
    - Authentication and access concepts at a fundamentals level
    - Create and publish a simple Power Pages site