Introduction to Microsoft Power Apps

Duration: 2 days
Audience: Pour tous

Who is this training for?

This course is for super users who want to learn how to build apps through Power Apps.

Training objectives

- Learn about the history and positioning of the Power Platform
- Understand environment management
- Identify opportunities to build apps with Power Apps
- Understand how to use the different modules
- Retain app data • Use Microsoft Dataverse
- Use Power Platform solutions • Build a model-driven app
- Add a canvas app
- Use components to make advanced interfaces
- Use formulas
- Make apps available to others
- Create portal-like apps
- Extend functionality with AI Builder
- Maintain control over your apps
- Troubleshoot your apps

Summary

Without development knowledge, it's now possible to build custom business apps using Power Apps.

In this training, you will learn how to connect to data sources, create applications, and also design a user interface that will make it easier for people in your organization to use your application.

Course outline

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Chapter 1: Introduction to Microsoft Power Apps

- Learn about Power Apps
- Understand the components that make up Power Apps
- Identify Power Apps-related technologies
- Understand the different ways to build Power Apps apps
- Understand environments in Power Apps
- Understand connections to data sources
- Identify the different licensing modes

Chapter 2: Work with data sources

- Learn about data storage options
- Understand The pros and cons of SharePoint Online
- Understand the pros and cons of Microsoft Dataverse
- Understand the challenges of connecting data with Power Apps
- Identify when to use the on-premises data gateway
- Use data loss prevention policies

Chapter 3: Learn about Microsoft Dataverse

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- Learn about Microsoft Dataverse
- Learn about the common data model
- Use custom tables
- Understand how to use relationships
- Create business rules
- Import data into Microsoft Dataverse
- Understand role-based security management
- Manage users and their privileges
- Create a custom role
- Check which roles a user belongs to

Chapter 4: Use solutions to manage your Power Apps apps

- Learn how Power Platform solutions work
- Understand the solution lifecycle
- Learn how to manage the delivery of your solutions
- Implement naming conventions
- Document and test your solutions

Chapter 5: Create a model-driven app

- Identify the Power Apps components of model-driven apps
- Design a model-driven Power Apps app
- Control security when sharing the app
- Incorporate business process flows
- Use forms
- Add screen elements to your apps
- Configure data views
- Use dashboards and charts

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Chapter 6: Create a canvas app

- Explore screens and controls in Power Apps
- Design a Power Apps Canvas app
- Use Power Apps variables
- Use features in Power Apps
- Use collections to manage your on-premises data
- Use components and component libraries
- Design navigation in your app
- Use themes to homogenize your apps
- Understand the management of images and media elements
- Learn how to make a responsive app
- Set up offline app management
- Manage app versions in Power Apps
- Share apps in Power Apps
- Improve app performance
- Learn about the Power Apps Component Framework

Chapter 7: Create a Portal app

- Understand the components that make up portals
- Implement the security of the portal
- Discover opportunities to extend portals
- Identify templates and their particularities
- Manage portal pages and navigation
- Integrate data views from Dataverse
- Add forms to the portal • Apply a theme to your portal

Chapter 8: Embed intelligence in your applications

- Get started with AI Builder

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- Discover the models available in AI Builder
- Understand the need to train your own model
- Choose the right ones Intelligence features
- Learn about the model lifecycle and versions
- Share your AI models • Chapter 9: Administer Power Apps services
- Learn about the Power Platform admin center
- Analyze Power Apps usage
- Learn about classic Power Apps administration
- Optimize app performance
- Troubleshoot issues

Approach and methodology

Pedagogy based on examples, demonstrations and guided exercises.

Prerequisites

Get a PowerPlatform Developer Environment.

Recommendations

Understanding the Office 365 ecosystem and applications is an asset.

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