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Sign up

Power Platform training

4 days (28 hours)

Presentation

Our Power Platform training course will boost your productivity with low code for workflow creation, data analysis and digital product development.

We'll be teaching you 4 of Microsoft's flagship tools: Power Automate, Power BI, PowerApps and Power Pages.

We'll teach you how to easily navigate the Power ecosystem and use agile methodology to understand the application lifecycle. You'll learn how to exploit all the opportunities offered by this ecosystem.

During this course, the essential elements will be presented: data management with Data Verse, development with Power Apps, automation with Power Automate, data visualization with Power BI or connection with Microsoft 365 services (Teams, Sharepoint...).

In addition to this Power Platform training course, we recommend you take our 2-day [Copilot Studio training course](#) to create powerful chatbots.

Objectives

- Master the Power Automate, PowerBI and Power Apps tools
- Take advantage of automation with Power Automate
- Understanding the benefits and capabilities of Power Platform
- Building applications with Power Apps
- Creating data visualizations with Power BI

Target audience

All audiences.

Prerequisites

No prerequisites.

Software requirements

- Access to a computer, an Internet connection and a license (Power Platform and/or Power Automate)
- Administrator privileges in Power Platform
- Be able to create a test environment, including a Data Verse database (i.e. at least 1GB free on Power Platform storage quotas)
- Power BI administrator rights and access to the service
- Power BI Desktop installed

Recommendations for pre- and post-course reading

- An important concept to understand: the difference between [canvas and model-based applications](#)
- A [detailed article on the Common Data Service \(CDS\)](#), a component at the heart of the operation from Power Platform
- A simple tutorial to get started with [Power Automate](#)
- For advanced use of Power BI, we recommend this [introduction to the DAX language](#)
- How to use Power Apps Portal to [create a low-code website?](#)

Power Platform training program

Day 1 - Introduction

Introduction to IS project management

Objectives: Acquire the minimum methodology required to develop simple business solutions that meet an identified need, can be maintained in working condition and can be improved.

- Identify the essential elements of project management and IS solutions
 - Frame a project (objectives, resources, scope), identify needs and requirements, formalize and document
- Defining a project methodology: understanding the V-cycle and Agile approaches
 - Advantages and disadvantages of both approaches
- Understand the challenges of taking into account the solution's lifecycle right from the design stage (ALM - Application Life-Cycle Management)
 - Importance of documentation, application readability and adaptability, version management...

Understanding the business value of Power Platform

Objectives: Understand the objective of each service in terms of value creation, as well as the underlying Microsoft strategy. Know how to differentiate them and choose the right services for your needs.

- Understanding the business value of each Power Platform service
 - Role, objectives and limits of Power Apps, Power Automate, Power BI, Data Verse, presentation of the Microsoft Roadmap...
- Understanding how Power Platform integrates into the environment
 - Microsoft (Microsoft 365, Dynamics 365, Azure)
- Discover the Power Platform administration center and related functions
 - Administration portal, environment concept, role base management, quota management, user and security management
 - Practical work - Creating a Power Platform test environment

Day 2 - Power Platform fundamentals and getting to grips with PowerApps

Identify the fundamental elements of Power Platform

Objectives: Get to know the core functionalities of Power Platform, which cut across all other services.

- Introduction to Data Verse (formerly Common Data Service): storing business data.
 - Common Data Model; tables, fields and metadata; views, business rules, relationships, forms...
- Introduction to connectors: working with business data.
- Building with "Solutions" Managed and non-managed solutions.
 - Practical work - Creating and customizing Data Verse tables.

Introduction to Power Apps

Objectives: Learn the basics of creating applications with Power Apps and how to differentiate and choose between the two main types.

- Understanding the components of Power Apps
 - Practical work - Connectors, data sources, application types (advantages and disadvantages), reusable components...
- Building Canvas applications.
 - Interfaces and settings, application components, Power Apps formulas, tips and tricks...
- Building Model-Driven applications
 - Interfaces and parameters, application components, application site maps...
 - Practical work - Comparing Canvas and Model-driven applications

Day 3 - Practical application of Power Apps and introduction to Power Automate

Testing Power Apps

- • Practical exercises 4.2
- Practical application 4.3
- Debugging your Canvas application

Introduction to Power Automate

Objectives : Learn the basics of automation with Power Automate.

- Understanding the components of Power Automate
 - Flow types, standard and premium connectors, triggers, actions, execution context...
- Flow design: algorithms and exceptions
 - Basic algorithms: loops, branches; error handling...
- Building a flow
 - Create interface, choose trigger, define actions, define prerequisites, use connectors...
 - TP - Building an approval flow
 - Practical work - Acting on your data with Power Automate

Day 4 - Introduction to Power BI and advanced Power Platform features

Debugging your Power Automate flow

- View and track execution history, run tests, read code

Introduction to Power BI

Objectives: Understand the structure of Power BI, know how to create, share and consume dashboards and reports.

- Understanding the components of Power BI
 - Administration portal and settings, workspaces, Power BI Desktop and service, queries, reports, dashboards...
- Connect and format your data
 - Queries (with Power BI Desktop), data models, tables and relationships (n:n, n:1), best practices...
- Building and sharing a Power BI report
 - Creation interface, charts, filters and segments, conditional formatting, publishing to Power BI Service, report access management
 - TP - Practical application 6.2 and 6.3

Learn more about Power Platform

Objectives : Discover Power Platform's advanced features and resources for

tackle complex scenarios.

- Hear about Power Platform's capabilities with the Power Apps Portal application
- Integrate Power BI reports into Power Apps and Microsoft 365 applications
- Integrate Power Apps applications with Microsoft 365 (Teams, SharePoint)
- Discover additional resources (accessible web resources)

Add-on module: [Copilot Studio training](#) (+2 days) Add-on module:

Power Pages training (+1 day)

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.