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Sign up

Power Platform training for developers
3 days (21 hours)

Presentation

Our Power Platform training enables developers to build their skills in Microsoft automation software such as Power Automate, Power Apps and Power BI. With this software, you'll be able to automate tasks and processes that depend on Office 365 but also on SaaS, on-premise and legacy software. This training will enable you to automate your business processes through the creation of model-driven or canvas applications. A Power Automate add-on module is available to automate your most complex workflows. To take part in this training course, you'll need a professional subscription to the Office 365 suite. This offers you the basic versions of Power Automate, Power Apps and Power BI by default.

Objectives

- Developing model-driven apps
- Developing canvas apps
- Using Power Apps Portals
- Using component frameworks

Target audience

Developers

PREREQUISITES

- Basic knowledge of the Power Platform suite
- Experience in Microsoft Azure, C#, HTML, .NET, Microsoft 365, JavaScript, TypeScript, JSON, Power BI, Microsoft 365, RESTful Web Services and ASP.NET

Our Power Platform training program for

developers

Introduction to Power Platform and Dataverse

- Best practices for coding on Power Platform
- Resources for developers
- The advantages of development on Power Platform
- What is the Dataverse?
- Dataverse benefits
- Introduction to Dataverse development
- Integrating Power Platform with the Dataverse
- Introducing the Dataverse Web API
- Integration with Microsoft Dataverse Azure

Model driven apps

- What is a model-driven app?
- Model driven app vs Canvas app (caneva application)
- Building your model-driven app on Power Apps
- Data management
  - Define data
  - Creating and editing tables
  - Manage fields
  - Managing columns
- Create business rules
- Using customer scripts

Canvas apps

- Navigation and interface presentation
- Managing applications on Power Apps
- Application configuration
- Controls and properties
- Developing your user interface
- Testing your application

Power Apps Component Framework

- Component framework presentation
- The main errors
- The limits of the component framework

- Component types
  - Code components for model-driven applications
  - Code components for canvas applications
  - Code components for model-driven applications
- Adding components to a custom page
- Advanced features

Power Apps Portals

- What is Power Apps Portals?
- Create a starter portal
- Access the Dataverse via the portal
- Portal management
- Power Pages
- Using templates
- Creating and editing views

Add-on module: Power Automate (1 additional day)

Introduction

- Tool presentation
- Advantages and limitations
- Introduction to Power Automate workflows

Modify flow

- Flow diagrams
- Variables
- Using object variables
- Dynamic content
- Planned flows

Approvals and conditions

- Use the conditions
- Flow switch, Apply to each and Do Until
- Create parallel actions
- The control scope
- The control terminal

- Control approval
- Launch an approval with SharePoint
- Create a sequential approval workflow
- Manage approvals

Create more complex workflows with Power Automate

- Creating a business process flow in Power Automate
- Advanced concepts
- Troubleshooting

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.