Microsoft Power Platform Developer (PL-400T00)

ID PL-400T00   **Price** 2,690.— €(excl. tax)   **Duration** 5 days

Course Overview

The Microsoft Power Platform helps organizations optimize their operations by simplifying, automating and transforming business tasks and processes. In this course, students will learn how to design, develop, test, and troubleshoot solution components that use the extension points of Microsoft Power Platform. You use traditional code to solve challenges not appropriate with low-code.

The below Applied Skills help meet the prerequisites for the PL-400. You can also take the Microsoft Power Platform Functional Consultant (PL-200T00) as a prerequisite:

- Create and Manage Model-Driven Apps with Power Apps and Dataverse (PL-7003)
- Create and Manage Automated Processes by using Power Automate (PL-7002)
- Create and Manage Canvas Apps with Power Apps (PL-7001)

Who should attend

As a training attendee you must have previous software developer experience using code techniques with modern programming languages such as C# and JavaScript. You must also have a foundational understanding of Microsoft Power Platform and have hands-on experience with the following: - Developing a data model in Microsoft Dataverse - Creating tables, columns, and relationships in Microsoft Dataverse - Building Power Apps canvas apps - Building Power Apps model-driven apps - Building Power Automate cloud flows In this course you will learn to build solutions using Visual Studio and Visual Studio Code that include the following: Microsoft Power Platform services, JavaScript, JSON, TypeScript, C#, HTML, RESTful Web APIs, and Microsoft Azure.

This course is part of the following Certifications

Microsoft Certified: Power Platform Developer Associate (PPDA)

Course Content

- Use imperative development techniques for canvas apps in Power Apps
- Perform custom updates in a Power Apps canvas app
- Use Dataverse choice columns with formulas
- Reduce complexity in your data model with Dataverse table relationships
- Work with relational data in a Power Apps canvas app
- Work with data source limits (delegation limits) in a Power Apps canvas app
- Complete testing and performance checks in a Power Apps canvas app
- Optimize app load time
- Use Monitor to troubleshoot Power Apps
- Use Power Apps Instrumentation with Application Insights
- Get started with Power Automate
- Introduction to expressions in Power Automate
- Use Dataverse triggers and actions in Power Automate
- Introduction to Microsoft Power Platform developer resources
- Use developer tools to extend Power Platform
- Introduction to extending Power Platform
- Work with Dataverse Web API
- Perform common actions with client script in Power Platform
- Automate business process flows with client script
- Get started with Power Apps component framework
- Build a Power Apps component
- Introduction to Dataverse for developers
- Extend plug-ins in Power Platform
- Integrate Dataverse Azure solutions
- Develop Azure Functions
- Get started with custom connectors in Microsoft Power Platform
- Discover and use Web APIs with Power Apps
- Configure custom connectors with authenticated APIs in Microsoft Power Platform
- Configure policy templates for custom connectors in Microsoft Power Platform
- Create Microsoft Power Platform OpenAPI custom connectors
- Manage solutions in Power Apps and Power Automate
- Introduction to solutions for Microsoft Power Platform

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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✓ Wireless & Mobility
✓ Modern Workplace
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