

KOENIG SOLUTIONS • COURSE OUTLINE

PL-400T00: Microsoft Power Platform Developer

Learn to build, extend and integrate Power Platform solutions using Dataverse, model-driven apps, canvas apps, Power Automate and custom code components.

5 Days

40 HOURS

14

MODULES

44

TOPICS

14

HANDS-ON LABS

COURSE OVERVIEW

The PL-400T00: Microsoft Power Platform Developer course is designed to educate developers on the various aspects of the Microsoft Power Platform. Through this course, learners will gain a deep understanding of how to create applications across the Power Platform, including Power Apps, Power Automate, and Power Virtual Agents, with a focus on extending and customizing the capabilities to meet business needs. Participants will learn how to create Model-driven apps and Canvas apps, manage Microsoft Dataverse environments, extend the Power Platform's user experience, and develop integrations with Dataverse and Azure. The course also delves into advanced techniques for Canvas apps, automating business processes with Power Automate, and creating Custom connectors. By the end of the course, developers will have mastered the skills necessary to integrate with Power Platform and Common Data Service, create code components with the Power Apps Component Framework, and understand Application lifecycle management. This comprehensive training will enable learners to build robust, scalable solutions on the Power Platform, enhancing their ability to support and innovate within their organizations.

Who Should Attend

The PL-400T00 course equips developers with the skills to build and implement Microsoft Power Platform solutions. Job roles and audience for the PL-400T00 course:

Power Apps Developers

Dynamics 365 Developers

Software Engineers with a focus on Microsoft technologies

IT Professionals looking to expand their skillset in low-code application development

Technical Consultants involved in Power Platform projects

Application Developers transitioning to the Power Platform

Solution Architects designing Power Platform solutions

System Administrators with a development background

Business Analysts with a technical orientation

Existing Microsoft Stack Developers (e.g., SharePoint, Office 365)

Data Analysts who want to leverage Power Platform for advanced analytics

Technical Project Managers overseeing Power Platform initiatives

DevOps Engineers responsible for application lifecycle management with Power Platform integration

CRM Technical Consultants seeking to upskill in Power Platform development

LEARNING OBJECTIVES

- Manage Microsoft Dataverse tables, columns, relationships and security
- Configure model-driven apps including forms, views and command bar
- Build canvas apps using Power Fx formulas and components
- Apply advanced canvas app techniques such as delegation limits
- Automate business processes with Power Automate cloud flows
- Extend the model-driven apps user experience with client scripts
- Develop code components with the Power Apps Component Framework
- Integrate Dataverse with Azure and create custom connectors

14 Modules, 44 Topics

01

2 Labs

Work with Microsoft Dataverse

TOPICS

- Introduction to Microsoft Dataverse
- Manage environments
- Manage customizations with solutions
- Create and manage tables in Microsoft Dataverse
- Create and manage columns in Microsoft Dataverse
- Create relationships between tables in Dataverse
- Create and define calculated and rollup columns in Dataverse
- Define and create business rules in Microsoft Dataverse
- Manage security in Microsoft Dataverse

02

Lab

Create Model Driven Apps

TOPICS

Get started with model-driven apps · Configure forms · Configure views · Command bar

03

Lab

Create Canvas Apps

TOPICS

- Get started with Power Apps
- Understanding Low Code as a Traditional Developer
- Customize a canvas app in Power Apps
- Navigation in a canvas app in Power Apps
- Power Fx formulas
- Canvas components
- Document and test your Power Apps application

04

Lab

Advanced Techniques in Canvas Apps

TOPICS

- Use imperative development techniques for canvas apps
- Perform custom updates in a canvas app
- Use Dataverse choice columns with formulas
- Work with relational data in a canvas app
- Work with data source limits (delegation limits) in a canvas app
- Performance in canvas apps

05**Lab**

Advanced Techniques in Canvas Apps

TOPICS

- Get started with Power Automate
- Introduction to expressions in Power Automate
- Use Dataverse triggers and actions in Power Automate
- Advanced features of cloud flows

06**2 Labs**

Introduction to Developing with Power Platform

TOPICS

- Introduction to Microsoft Power Platform developer resources
- Use developer tools to extend Microsoft Power Platform
- Introduction to extending Microsoft Power Platform
- Work with Dataverse API

07**Lab**

Extending the Model-Driven Apps User Experience

TOPICS

Performing common actions with client script · Best practices with client script

08**Lab**

Create Code Components with the Power Apps Component Framework

TOPICS

- Get started with Power Apps component framework

09**Lab**

Create Extending Microsoft Dataverse

TOPICS

- Introduction to Dataverse for developers Create plug-ins

10

2 Labs

Integrate with Dataverse and Azure

TOPICS

Integrate with Azure · Integrate with Dataverse

11

Lab

Integrate with Dataverse and Azure

TOPICS

Custom Connectors

12

Application Lifecycle Management

TOPICS

■ Solutions and Application Lifecycle Management

13

Create a Technical Design (Optional)

TOPICS

Technical architecture

14

Workshop

TOPICS

Applied workshop

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	Work with Microsoft Dataverse	■ Lab 0: Validate lab environment ■ Lab 1: Data modelling
02	Create Model Driven Apps	Lab 2: Model-driven apps
03	Create Canvas Apps	Lab 3: Canvas app
04	Advanced Techniques in Canvas Apps	Lab 4: Advanced canvas app techniques
05	Advanced Techniques in Canvas Apps	Lab 5: Power Automate
06	Introduction to Developing with Power Platform	■ Lab 6: Power Platform tools ■ Lab 7: Power Platform APIs
07	Extending the Model-Driven Apps User Experience	Lab 8: Client scripting

#	MODULE	ACTIVITY
08	Create Code Components with the Power Apps Component Framework	Lab 9: Power Apps Component Framework (Optional)
09	Create Extending Microsoft Dataverse	Lab 10: Dataverse Plug-ins
10	Integrate with Dataverse and Azure	- Lab 11: Azure Functions (Optional) - Lab 12: Publishing events externally
11	Integrate with Dataverse and Azure	Lab 13: Custom connector (Optional)

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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