

KOENIG SOLUTIONS · COURSE OUTLINE

PCF - Power Apps Code Components in a Day

Learn to build, deploy and configure Power Apps code components using TypeScript, React and Fluent UI.

1 Day

DURATION

6

MODULES

18

TOPICS

COURSE OVERVIEW

This course is targeted for pro developers. It assumes you have knowledge of developing using JavaScript and HTML. Please ensure you have a windows machine with the setup detailed in the course documentation. This one-day course and labs covers how to build and deploy code components for Power Apps. The second part of this course focuses on using React & Fluent UI in code components.

WHO THIS COURSE IS FOR

Pro Developers

Power Apps Developers

Dataverse Developers

Front-End Developers

PREREQUISITES

- App in a Day course, Software Development background, or equivalent work experience with Microsoft Power Platform.

TOOLS AND REQUIREMENTS

Pre-requisite Setup

- If you have not already, you will need to follow the pre-requisites to ensure you have a windows machine with the following setup:
- Visual Studio Code
- Node.js
- Microsoft Power Platform VS Code extension
- A Power Apps Developer Environment
- Detailed instructions are found at the start of the first lab.

What You Will Learn

- Configure VS Code and PAC CLI for PCF development
- Explain the component lifecycle for code components
- Build a simple field PCF using TypeScript with npm modules
- Apply the test harness to test code components
- Deploy code components to Dataverse
- Configure code components in model-driven and canvas apps
- Apply Fiddler to test and debug code components
- Compare class and functional React components

COURSE SYLLABUS

6 Modules, 18 Topics

01

Introductions

02

PCF Quick Start

TOPICS

VS Code & PAC CLI · TypeScript with npm modules · Overview of the component lifecycle · Simple field PCF · Testing using the test harness

03

Deploying & Configuring Code Components

TOPICS

Deployment to Dataverse · Configuring in model-driven and canvas apps · Testing/Debugging using Fiddler · Versioning

04

Introduction to Part 2

05

React Basics

TOPICS

Component events, props & state · Class vs functional components · Virtual Dom and component rendering · Writing simple react components

06

Building Code Components with Fluent UI

TOPICS

Adding Fluent UI to a PCF project · Mapping props to Fluent UI Controls · Debugging · Deploying · Virtual Controls & Shared Libraries

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

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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✉ info@koenig-solutions.com