

PCF - Power Apps Code Components in a Day

Prerequisite:

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

Course Description:

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.

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.

Session	Topics Covered
Introductions	
PCF Quick Start	<ul style="list-style-type: none">• VS Code & PAC CLI• TypeScript with npm modules• Overview of the component lifecycle• Simple field PCF• Testing using the test harness
Break	
Labs	
Deploying & Configuring code components	<ul style="list-style-type: none">• Deployment to Dataverse• Configuring in model-driven and canvas apps• Testing/Debugging using Fiddler• Versioning
Break	

Labs & Q&A	
Introduction to Part 2	
React Basics	<ul style="list-style-type: none"> • Component events, props & state • Class vs functional components • Virtual Dom and component rendering • Writing simple react components
Break	
Labs	
Building code components with Fluent UI	<ul style="list-style-type: none"> • Adding Fluent UI to a PCF project • Mapping props to Fluent UI Controls • Debugging • Deploying • Virtual Controls & Shared Libraries
Break	
Labs & Q&A	
Wrap-up	