WorkshopPLUS - Power Platform – Developer Extensibility

WorkshopPLUS

Duration: 1 or 3 Days [Remote | Onsite]

Difficulty Level: 300 - Advanced

Description

Power Platform Developer Extensibility engagement focuses on the concepts, tools and technologies used for building applications on Dynamics 365. This training introduces you to server-side and client-side development using Dynamics 365 SDK and its extensibility concepts.

Objectives

- Learn about the tools and technologies for extending and building applications using Dynamics 365 Customer Engagement and Model-Driven apps in Power Apps.

Outcomes

- Gain insight into the tools and technologies for extending and building applications using Dynamics 365 Customer Engagement and Model-Driven apps in Power Apps.

Methodology

Learn by example

Participate in group discussions and learn from presentations and demonstrations.

Hands-on

- Use a ready environment for a hands-on experience
- Access to resources and labs for up to six months after the workshop

Scope

- The scope is limited to learning to use Dynamics 365 cross app capabilities where all applications and environments are present in a single tenant.
- Delivery will be scoped to one of the Deliveries listed on page two.

Agenda

This is the Agenda for Extending the Platform with Connectors

Day 1

- Overview of the Economy API.
- Deep dive into standard, premium, and custom connectors.
- Interplay between connectors/connections and underlying Azure constructs such as Service Principals, Environment Variables and Azure APIM
- Solution concepts with custom connectors.
- Governance for custom connectors.
- Multiple labs for students to work with standard and premium connectors and build custom connectors using an existing API or one created in Azure API Management.

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Delivery outline

Requirements	
Participants • Pro Developers **Skill Requirements** • Experience in software development. • Knowledge of Dynamics 365 Customer Engagement apps. • Knowledge of .NET and JavaScript. **Time Commitment** • One or Three full-day engagement with relevant roles	**Delivery Requirements** • Computer with Windows 10 or later, audio equipment, internet access. Modern browser and at least 1 Mbps bandwidth per participant • Microsoft/Windows Live ID to connect to the virtual environment • Microsoft Teams for remote deliveries

Pick one of these Delivery Paths	
Extending the Platform with Connectors	
1 Day	• Overview of the Economy API. • Deep dive into standard, premium, and custom connectors. • Interplay between connectors/connections and underlying Azure constructs such as Service Principals, Environment Variables and Azure APIM • Solution concepts with custom connectors. • Governance for custom connectors. • Multiple labs for students to work with standard and premium connectors and build custom connectors using an existing API or one created in Azure API Management.
Developing on Dataverse	
3 Days	• Deeper dive into development concepts and Dynamics 365 Customer Engagement • Solution concepts • Plugin and Custom API Development • Late-Bound versus Early-Bound Entity Models • Sandbox Isolation • Tracing and Debugging • Client API Object Model • Web Resources • Sitemap and Ribbon Customization • How to develop PCF Controls • Testing, Debugging, and Deploying and Configuring • Web API • Dataverse Service Client • Query APIs, TDE (SQL) Access • Connecting to Dynamics 365 and building applications • oAuth and Client Secret Authentication methods • Build Windows client applications using the SDK • Why extend to Azure, and Azure Aware Plugins • Web Hooks and Azure functions • Service Bus and Logic Apps • Execution Context • Fault, Debugging, and Monitoring

If you are interested in this engagement for your organization, contact your Microsoft Account Representative.

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