

Dynamics 365 for Finance and Operations: Extensibility 1 Day with Lab

WorkshopPLUS

Duration: 1 Day | **Focus Area:** Business/IT Alignment **Level:** 300

The Dynamics 365 for Finance and Operations Extensibility WorkshopPLUS is a one-day course designed for Dynamics 365 for Finance and Operations developers and architects who are responsible for designing and developing extensions or new functionalities on the application.

In this course, you will learn about the new way to create extensions in a non-intrusive way via extensibility techniques that allows customization of the standard application, together with the creation of new modules and extensions, while allowing the system to be updated automatically.

OUTCOMES



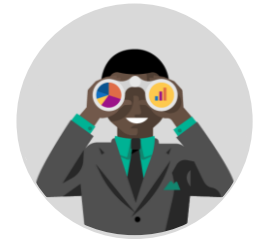
Skills

Gain a deeper understanding of the extension model and techniques of non-intrusive customizations.



Best Practices

Learn the extensibility best practices that help you develop on a maintainable way.



Way Forward

Use what you've learned to design and implement both customizations and new modules.

PREREQUISITES

Participants that have solution design and development experience will get the most value out the training.



Recommended Qualifications

- Previous experience with Dynamics 365 for Finance and Operations
- A basic understanding of development in X++ and generic development design patterns.



Hardware Requirements

- An Intel Core-i5-based PC
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Internet access with at least 1 Mbps bandwidth per student

AGENDA

Duration: 1 day

START

Morning Session

Afternoon Session

End

- *Model Architecture*
- *Customization Techniques*
- *Creating Metadata Extensions*

- *Code Extensions*
- *Chain of Command*
- *Event Handlers*
- *Extension Patterns*

SYLLABUS

Module 1: Model Architecture

- Models, Packages and Development Projects
- Application Stack

Module 2: Customization Techniques

- Approaches
- Over-layering vs Extensions

Module 3: Creating Extensions

- Extending Data Types
- Extending the Data Model
- Extending the User Interface
- Extending Security and Labels

Module 4: Code Extensions

- Chain of Command
- Method wrapping and derived classes
- Replaceable, Hookable and Wrappable methods

Module 5: Event Handlers

- Event Handlers
- Delegates
- Subscription

Module 6: Extension Patterns

- Factories
- Plugins

NEXT STEPS: If you are interested in any of the following for your organization, please contact your Microsoft Account Representative:

- WorkshopPLUS - Dynamics 365 for Finance and Operations: Development
- WorkshopPLUS - Dynamics 365 for Finance and Operations: Integrations
- Dynamics 365 for Finance and Operations: Business Intelligence Hands on Lab