



MEF - Version: 1  
22 September 2021

# MEF



# MEF

MEF - Version: 1

---

 1 days Course

## Description:

The Microsoft .NET Manage Extensibility Framework programming model.

Is the new standard for plug-ins in .NET Framework 4.0

It is a contract based model which formalizes how to extend .NET 4.0 components.

The extension has explicit boundaries, well defined discovery model and lifetime definition.

MEF already integrated into lot of Microsoft infrastructures (like Prism 4.0, VS 2010 and more) and commercial application, understanding this model may be essentials when working with those components.

This course presents the model and fundamental techniques.

The student will learn how to add extension using Manage Extensibility Framework.

## Intended audience:

This course is intended for .NET Programmers, Team leader and project manager, and Architects who want to know about the possibilities of the new extension standard.

## Prerequisites:

## Objectives:

## Topics:

° What is Manage Extensibility Framework (MEF)

° Getting familiar with MEF

° Understanding the MEF concept

° Why do we need it

° When does it Fit

## How to use it

- Import
- Export
- Catalogs
- Container

° Composite solution (Practice)

## Silverlight

- deployment catalog

## Instantiation

- Creation policy
- Lazy instantiation

° Imperative vs. Declarative

## Metadata

- What is metadata
- Custom Attribute

° Best practice