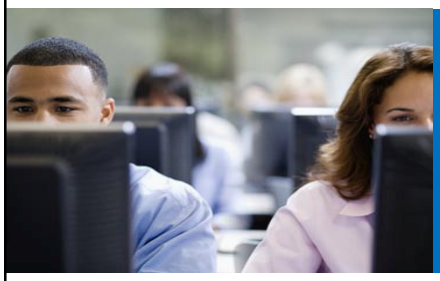
.NET Series



What is .NET?

.NET Foundational Concepts

Microsoft

Microsoft Azure

Manoj Kumar Sharma

- Freelance Consultant / Corporate Trainer
- 28+ years of Experience in the Software Industry
  - 21+ years as a Software Architect / Systems Analyst / Project Lead
  - Last Designation held: *Chief Software Architect* for ADP India.
- 13+ years of Corporate Training Experience.
  - Delivered over 1600 in-person trainings across India, US, Oman and Thailand, and over 200 remote trainings
  - Microsoft Certified Trainer since 2012

www.manojkumarsharma.com

Microsoft Certified Professional

Microsoft Office Specialist

Microsoft Certified Professional Developer: Web Developer

Microsoft Certified Technology Specialist

Microsoft Certified Azure Developer Associate

Microsoft Certified Azure Solutions Architect Expert

Microsoft Certified Trainer

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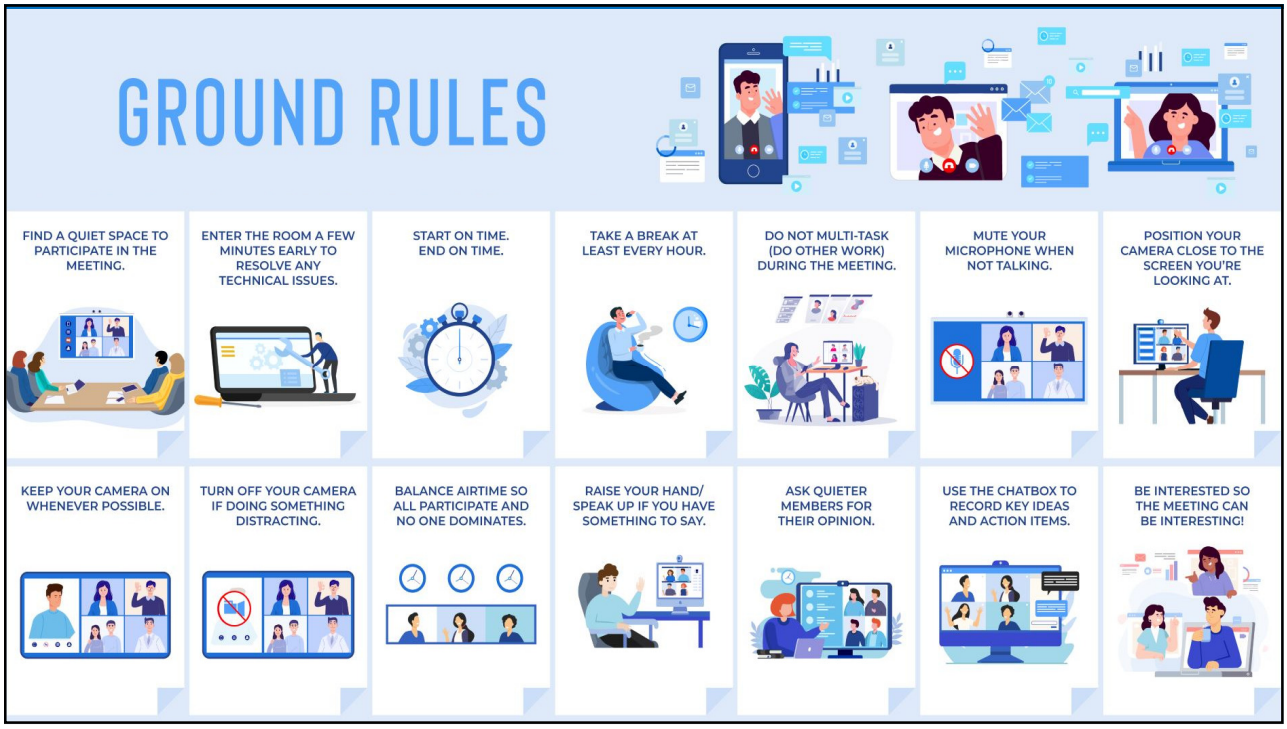
Introductions

- Name
- Company affiliation
- Title/function
- Job responsibility
- Experience in Azure
- Your expectations for the course



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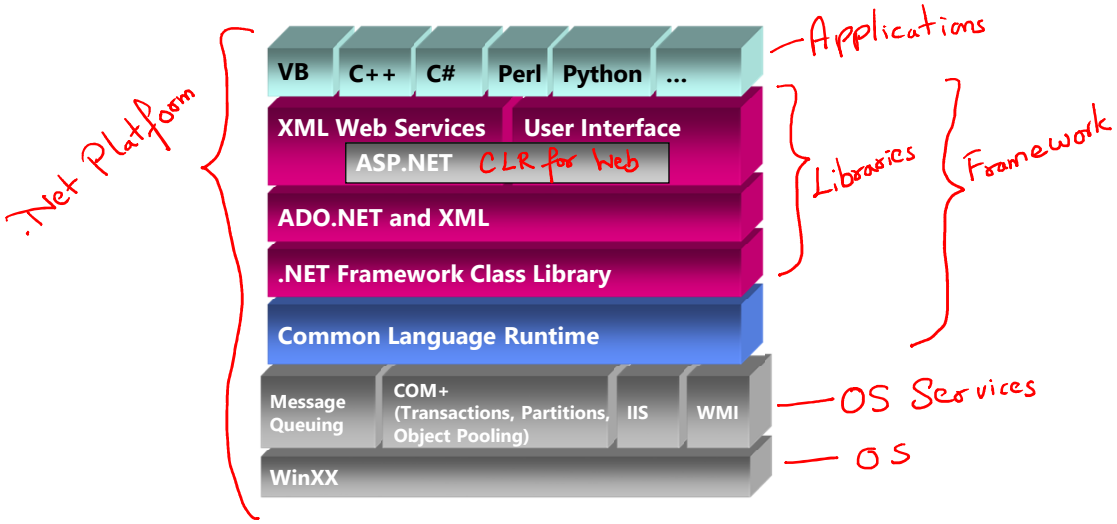
About This Course

- Audience
- Course Prerequisites
- Course Objectives
- What You Can Expect
  - Set up development environment for developing bot projects.
  - Create a bot and integrate additional functionalities and elements with Composer.
  - Enhance bot features with Composer API and customize interactions using CLI tools.
  - Test, debug, and validate bots
  - Finally, deploy them to Azure.

MOC Course 20483:
Programming in C#
https://docs.microsoft.com/en-us/learn/certifications/courses/20483

.NET Framework Components



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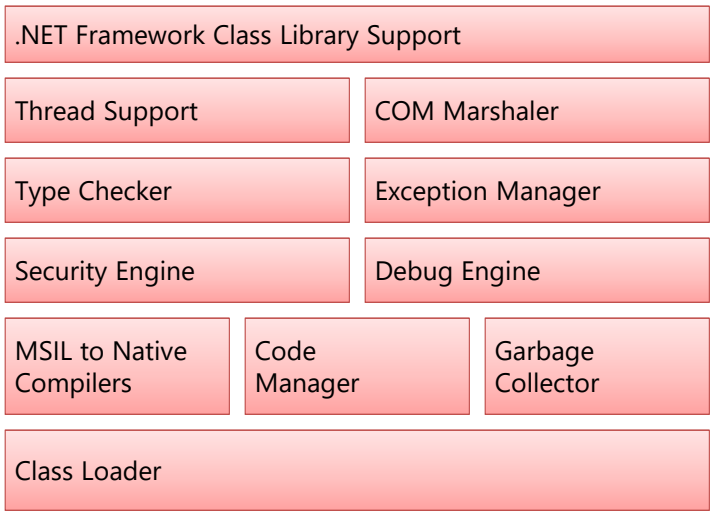
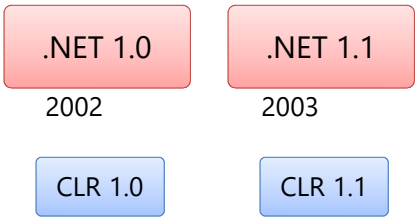
CLR Components



A Look Back...



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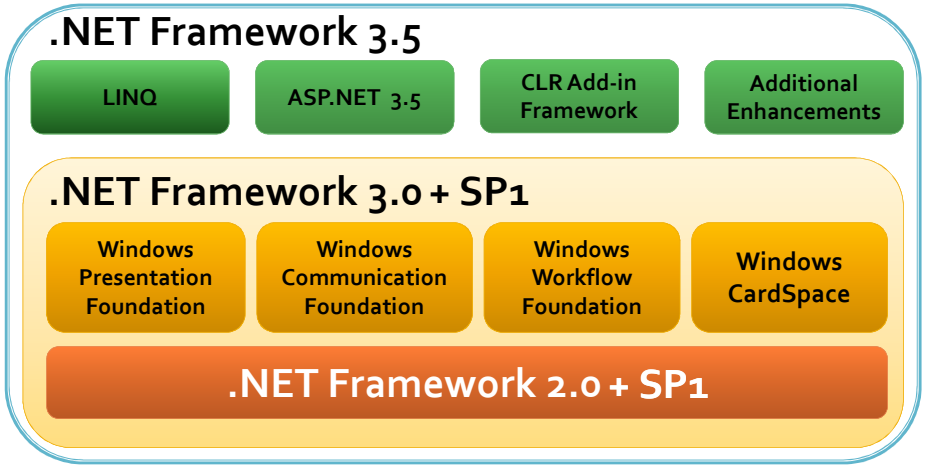

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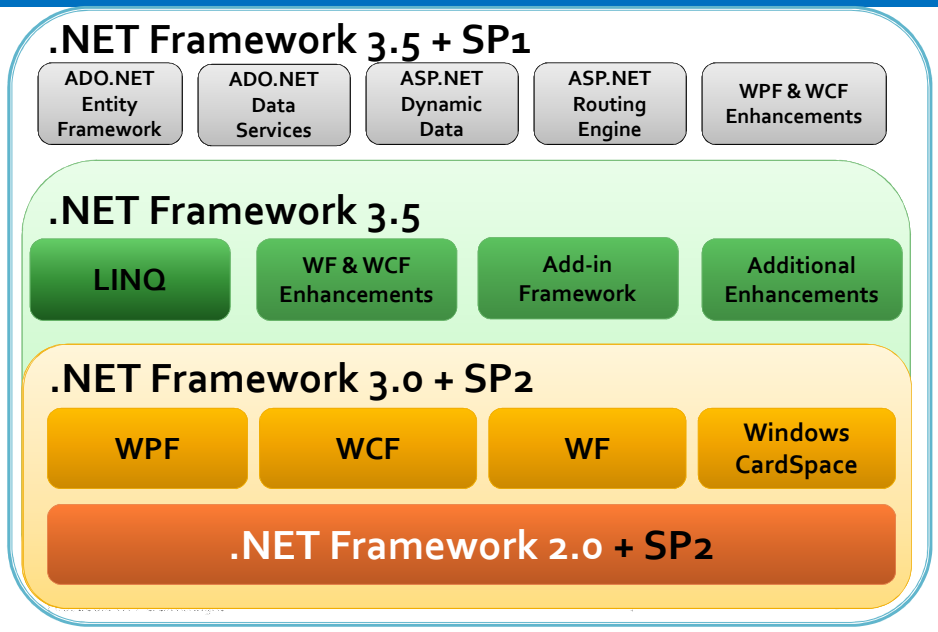

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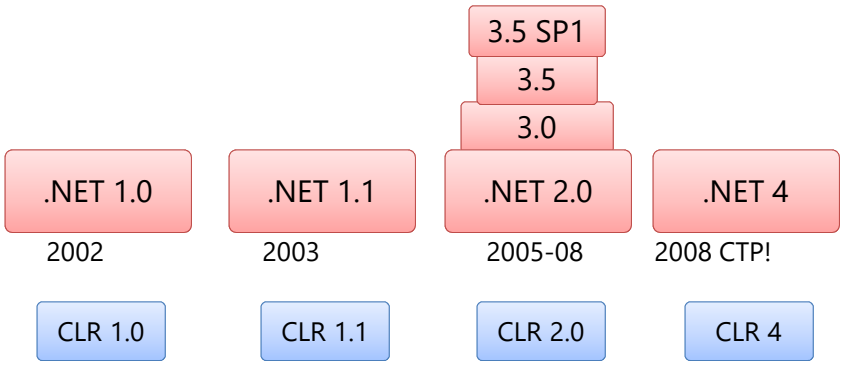
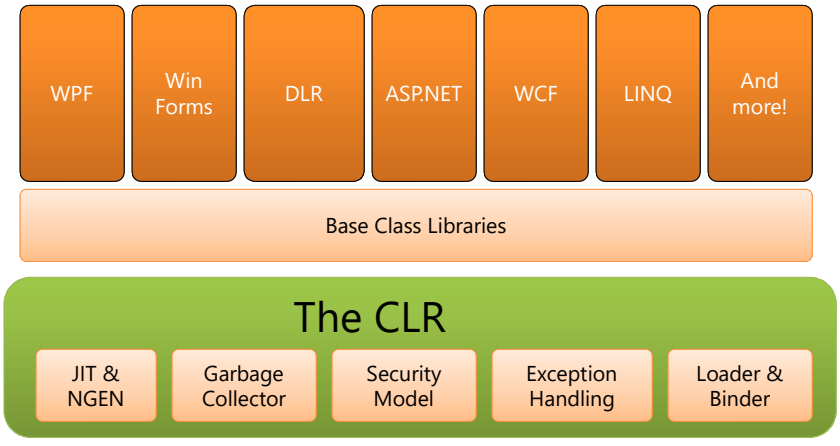


What Is The .NET Framework?



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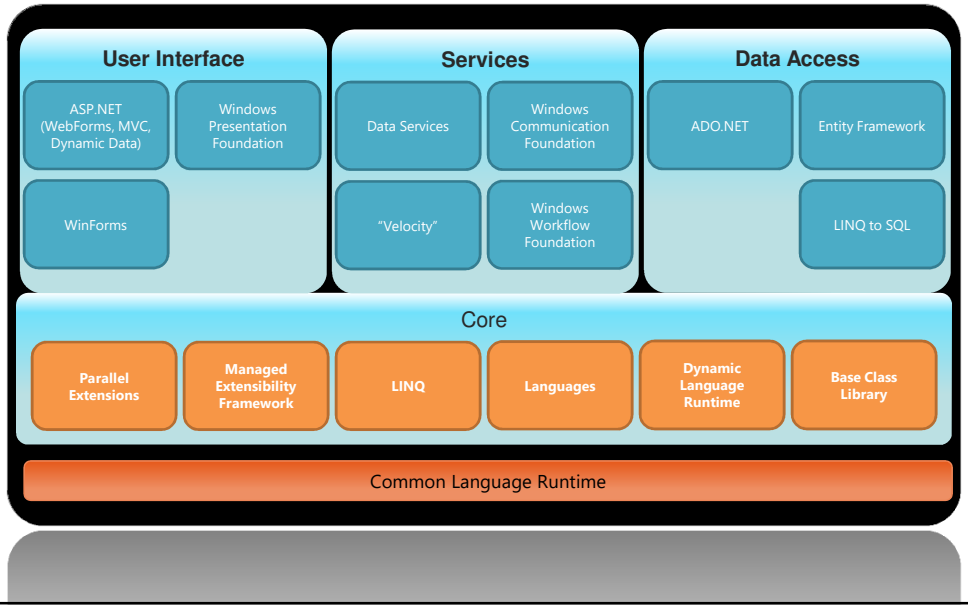
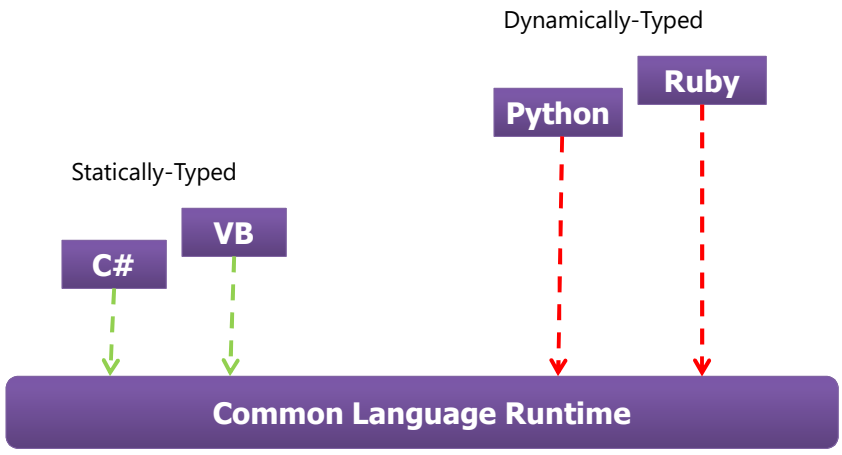
.NET Framework 4.0



Why a "Dynamic Language Runtime"?



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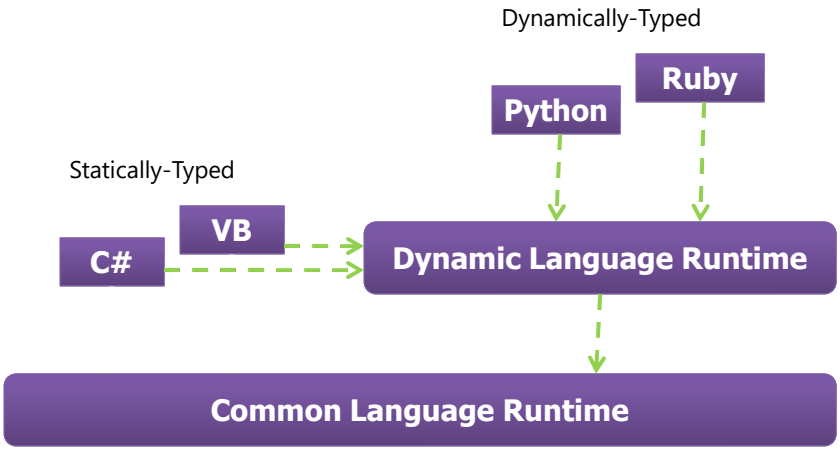
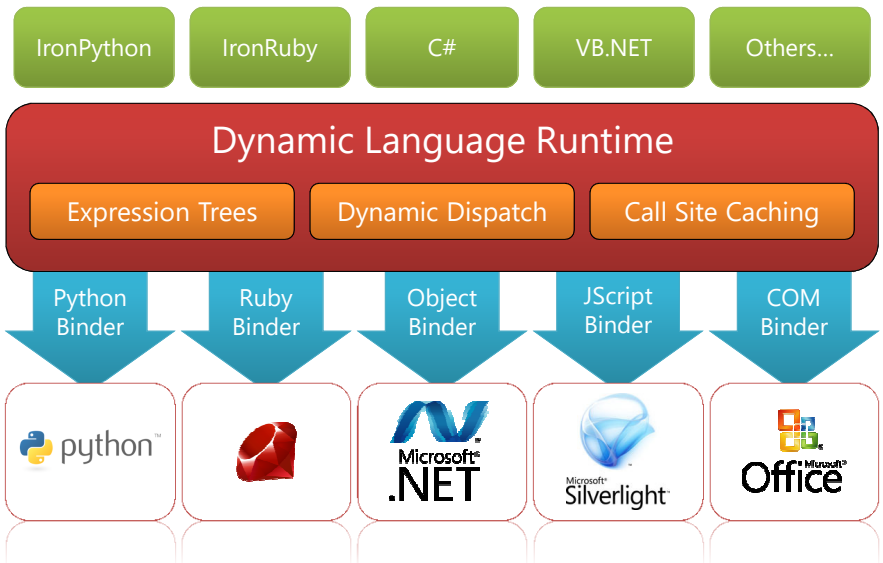
Why a "Dynamic Language Runtime"?



.NET Dynamic Programming



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C# Language

- C#1(Jan 2002)
- C#2 Generics
- C#3 LINQ
- C#4 Dynamic
- C#5 Async/await
- C#6 Roslyn

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Microsoft | developer & platform evangelism

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