

C# 9: Getting Started

Version Check

Version Check



This course was created by using:

- C# 9
- Microsoft .NET 5
- Visual Studio Community 2019

Older Versions



You can still follow if you're on C# 8 or earlier:

- I'll let you know when we're talking about C# 9 features

Later Versions



You can still follow if you're on C# 10 or later..
– ...but more about that in a few minutes!

C# 9: Getting Started

Getting Ready to Code



Paolo Perrotta

Freelance Developer

@nusco

A Typical “Hello, World!”

In most languages, it looks something like this

```
print("Hello World!")
```

“Hello, World!” in C#

More code than you might expect

```
using System;

namespace MyFirstProgram
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World!");
        }
    }
}
```



Overview

- **Generate “Hello, world!”**
- **Understand all of it!**
- **Turn it into a “real” program.**
- **Debug the program.**
- **Talk about what we did and C#’s philosophy.**

Follow along, if you wish!

The C# Development Stack

Microsoft .NET

The platform you need
to run C# programs

C#

The language itself:
compiler, linker...

Visual Studio

The Integrated
Development
Environment

The Versions Used in This Training

Microsoft .NET

5

C#

9

Visual Studio
Community 2019

Please let me know if you see
outdated information in this training.

Two Different Products

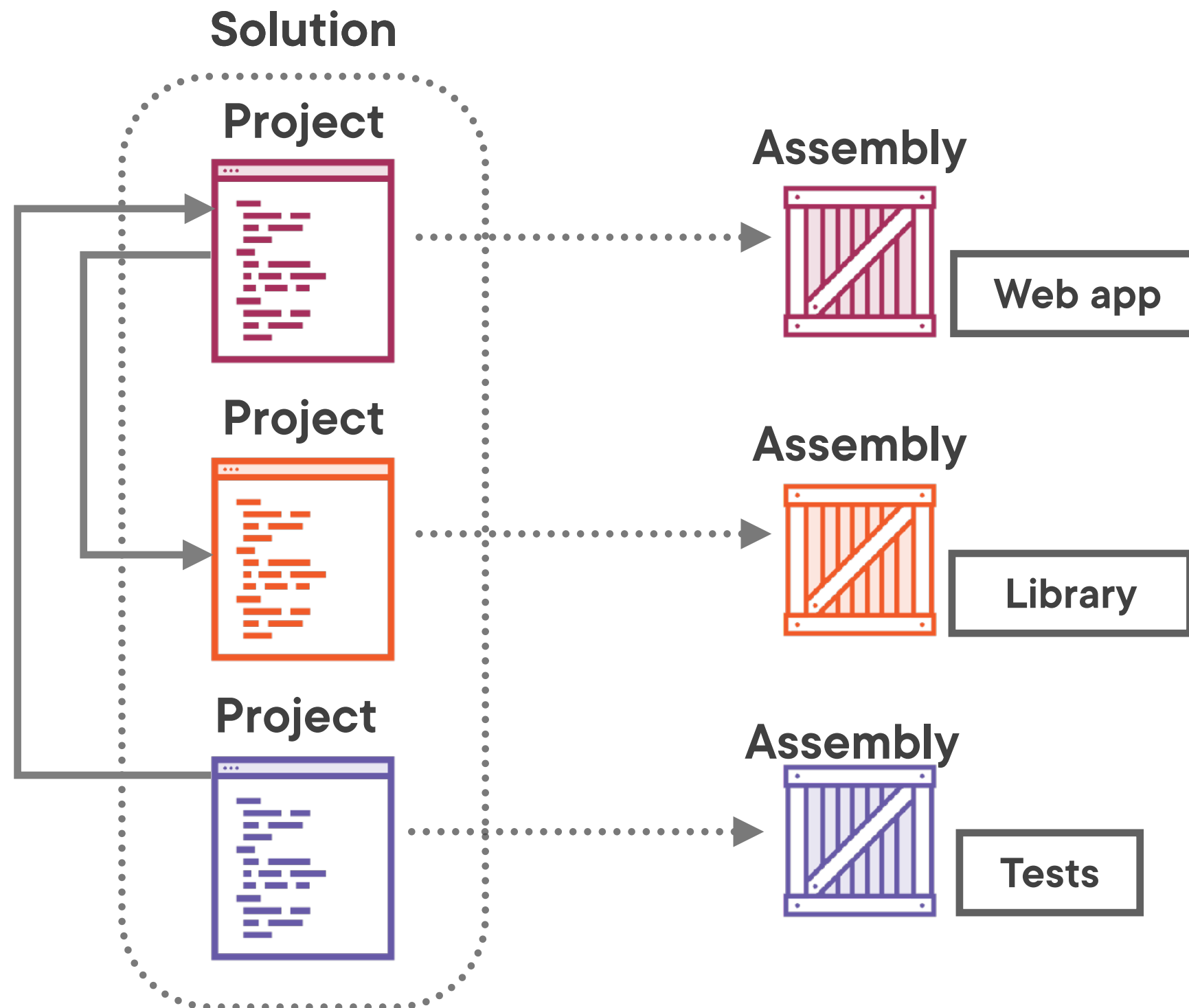
Visual Studio

**A complete IDE (Integrated Development Environment).
Heavy but rich in features.**

Visual Studio Code

**A very powerful text editor with
strong features for developers. It
supports many languages.**

Projects and Solutions



“Hello, World!” in C# 10 and Later

```
Console.WriteLine("Hello World!");
```

Up Next:

Exploring C#'s Building Blocks
