

Платформа **.NET**

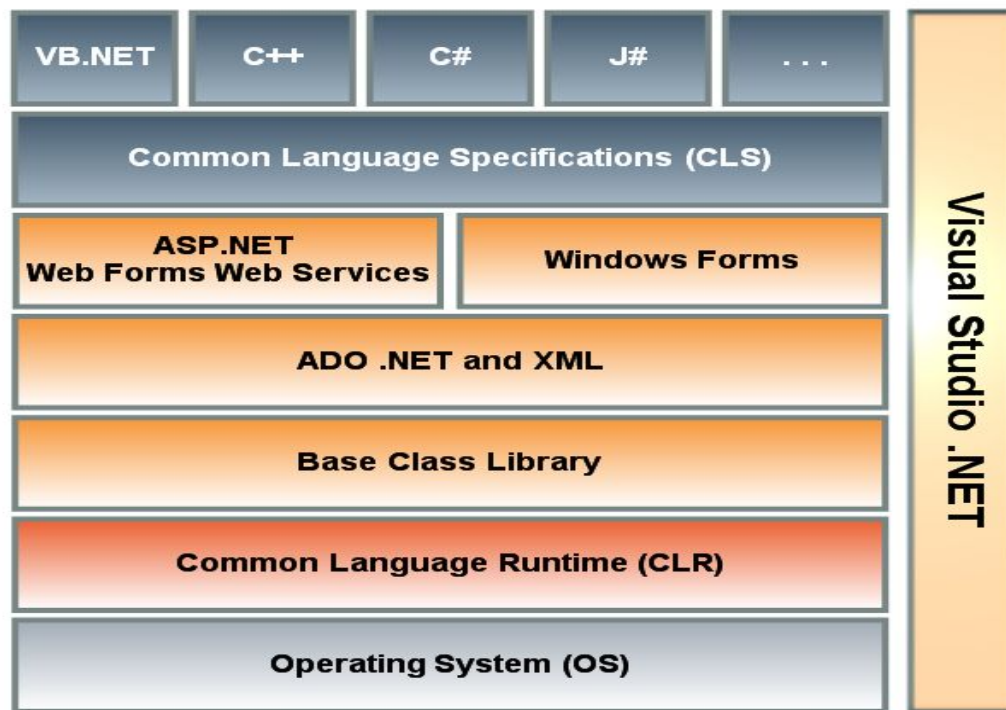
Інтро



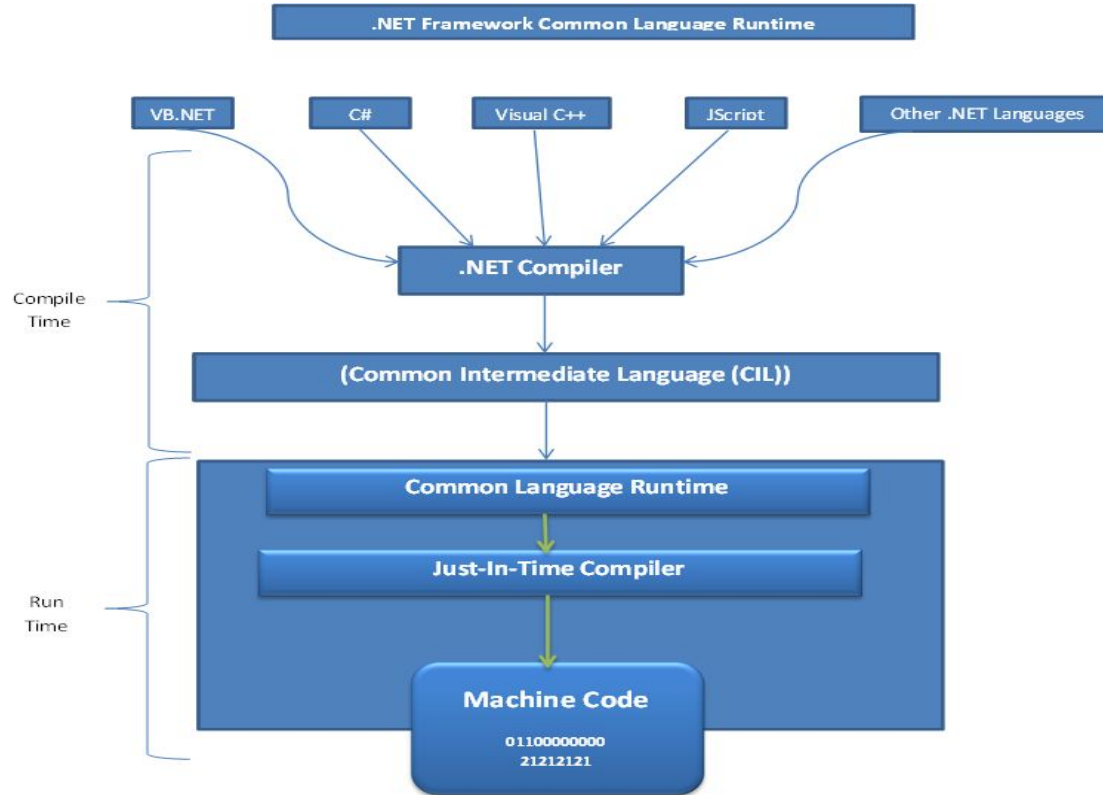
TimeLine



Архітектура **.NET Framework**



Common Intermediate Language CLR



Example

C#

```
btnReport.Click(null, EventArgs.Empty)
```

IL Code

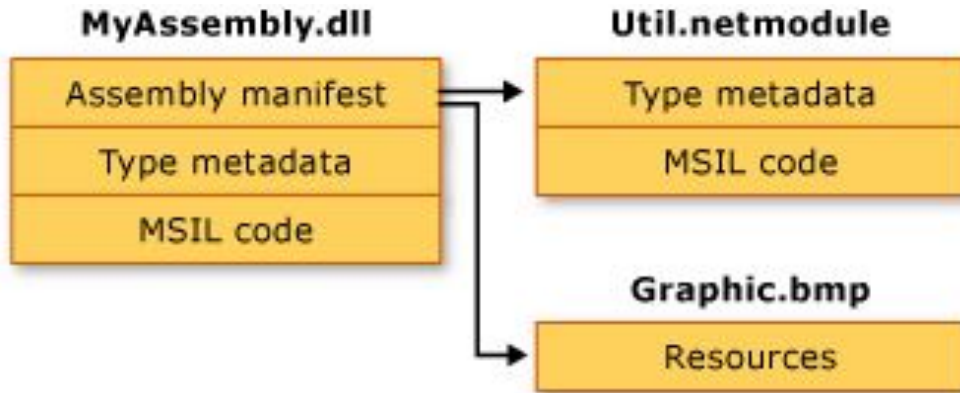
```
.entrypoint  
.maxstack 1  
L_0000: ldc.i4.3  
L_0001: stloc.0
```

Just-in-time Compilation (JIT)

Native Code

00 3A 47	00 2D 77	FF 0A AB	EF FA 22
20 B4 26	03 3D C4	C3 3A 53	10 DA 11

Assembly



NuGet



Nuget Package Manger

.NET Framework

Date	C# version	Framework version	Visual Studio
Jan 2002	C# 1	.NET Framework 1.0	VS 2002
Nov 2005	C# 2	.NET Framework 2.0	VS 2005
Nov 2007	C# 3	.NET Framework 3.0.-3.5	VS 2008
Apr 2010	C# 4	.NET Framework 4.0	VS 2010
Aug 2012	C# 5	.NET Framework 4.5	VS 2012-2013
Jul 2015	C# 6	.NET Framework 4.6	VS 2015
Mar 2017 – May 2018	C# 7.0-7.3	.NET Framework 4.6-4.7.2	VS 2017
May 2019	C# 7.3	.NET Framework 4.8	VS 2019

.NET Framework Core

Date	C# version	Framework version	Visual Studio
Jun 2016	C# 6	.NET Core 1.0	VS 2015 Update 3
Nov 2016	C# 6	.NET Core 1.1	VS 2017 v15.0
Aug 2017 – Dec 2018	C# 7	.NET Core 2.0-2.2	VS 2017 v15.3-15.9
May. 2019	C# 7.3, C# 8.0 Preview	.NET Core 3.0 Preview 5	VS 2019
~ Nov 2020	C# 9?	.NET 5	VS 2020?