

Summer <Web /> 2.007



Microsoft®
Silverlight™

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Microsoft Student Partners



Agenda

- Windows Presentation Foundation
- Silverlight 1.0
- Silverlight 1.1
- Dynamic Language Runtime
- Streaming
- Concluzii

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Windows Presentation Foundation

- Cel mai recent framework pentru UX pe platforma Windows
- .NET Framework 3.0
- Separarea părții de design de partea de programare
- Limbajul XAML

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Windows Presentation Foundation

- Limbajul XAML



OK

XAML

```
<Button Width="100"> OK  
<Button.Background>  
  LightBlue  
</Button.Background>  
</Button>
```

C#

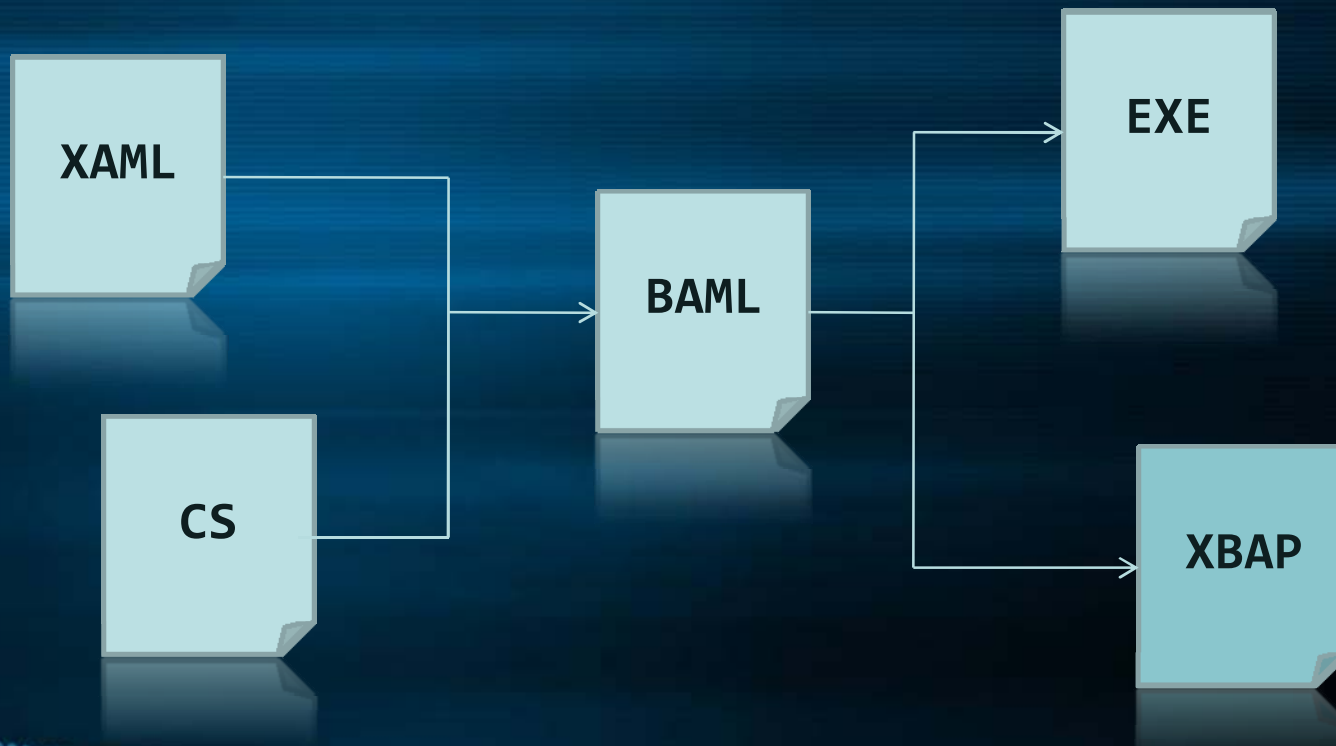
```
Button b1 = new Button();  
b1.Content = "OK";  
b1.Background = new  
SolidColorBrush(Colors.LightBlue);  
b1.Width = 100;
```

VB.NET

```
Dim b1 As New Button  
b1.Content = "OK"  
b1.Background = New _  
  SolidColorBrush(Colors.LightBlue)  
b1.Width = 100
```

Windows Presentation Foundation

- WPF pe web?



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Windows Presentation Foundation Everywhere

- WPF on the web
- Un subset al framework-ului pentru Desktop
- Decembrie 2006 – primul CTP
- Aprilie 2007 - Silverlight

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Silverlight 1.0

- Development similar cu HTML + JavaScript
- Formatul de prezentare este XAML
- Compatibilitate: MS IE 6.0, 7.0, Firefox 2, Safari, Opera (cât mai curând)

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Silverlight 1.0

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Silverlight 1.0

Paleta de lucru:

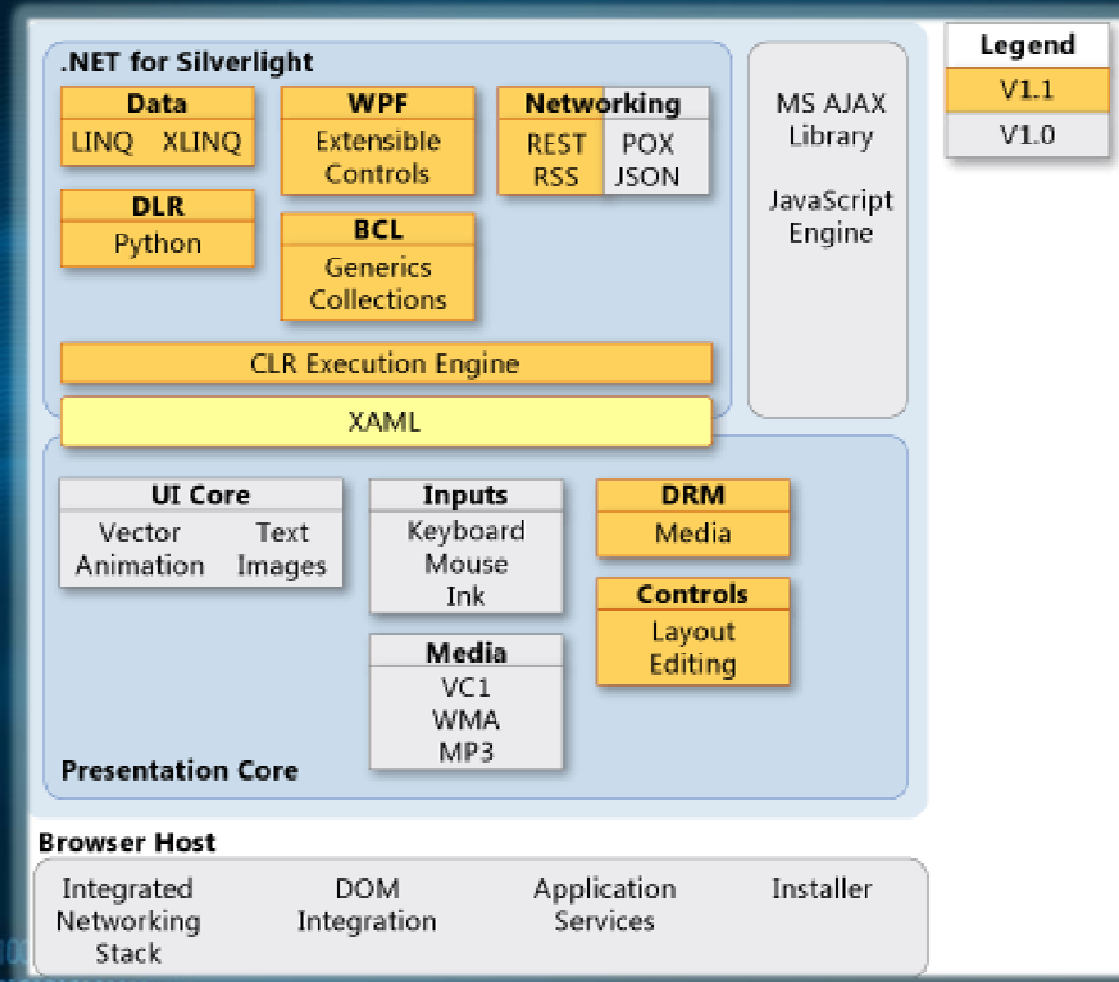
- grafică vectorială 2D
- animații
- input (mouse, tastatură, ink)
- elemente media (WMV, WMA, MP3)
- imagini
- text
- parser XAML (CreateFromXAML)
- JavaScript DOM

Silverlight 1.1

- Silverlight 1.1 = Silverlight 1.0.NET
- Suport pentru .NET Framework
- Dynamic Language Runtime

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Silverlight 1.1



Silverlight 1.1

- Suport pentru LINQ, Xinq
- Base Class Library
- Common Language Runtime
- Dynamic Language Runtime

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Dynamic Language Runtime

- Limbaje suportate: Managed JScript, C#, IronPython, Ruby
- Va fi deschis prin licență Microsoft Permissive License – (Mono?)

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Silverlight 1.1

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Silverlight Streaming

- Windows Media Services
- silverlight.live.com – 4 giga free hosting
- (Aplicație + manifest).zip

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Concluzii

- Silverlight vs. Adobe Flex vs. JavaFX
- Miguel de Icaza @ MIX 2007

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