



Introduction to Microsoft .NET

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About Me

- Software Engineer (10 years)
- Curse
- Contact
 - Github - <https://github.com/zmckinnon>
 - .NET Meetup - <https://www.meetup.com/Huntsville-NET-Meetup>
 - Tech256 - <http://tech256.com>



DevSpace

- Oct. 12th & 13th
- VBC
- <https://www.devspaceconf.com>



About this Presentation

- The Basics
 - .NET Landscape
 - Documentation
 - Visual Studio Code
 - C# - Basics
- Demo
 - Installing
 - Hello, World
 - Countdown!

** This presentation will focus on .NET Core



Microsoft .NET Landscape

- .NET Framework
- Different Languages (C#, VB.NET, etc.)
- Web - ASP.NET
- Cloud - Azure
- Mobile - Xamarin
- Desktop - WPF
- Gaming - Unity
- Database - SQL Server
- Tools
 - Visual Studio
 - Nuget
 - Lots More!!!!

Documentation



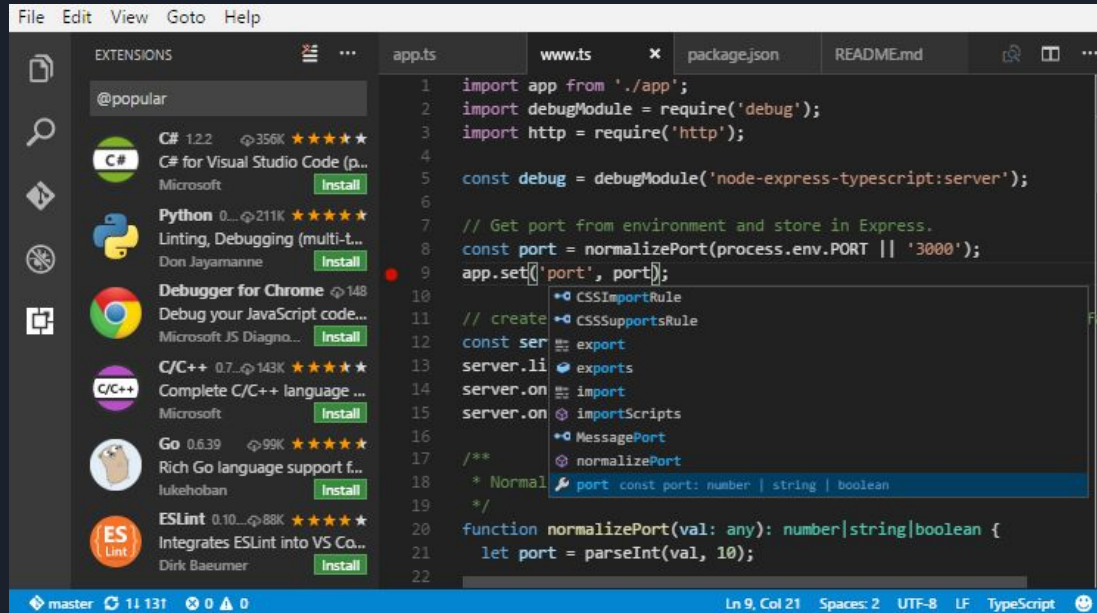


Why .NET?

- Backed by Microsoft
- Longevity (2002)
- Popularity
- Cross Platform (finally)
- Open Source (finally)
- Lots of Options
 - Programming Languages
 - Tools

** Invest in other technologies too!!!

Visual Studio Code





C# - Conditionals

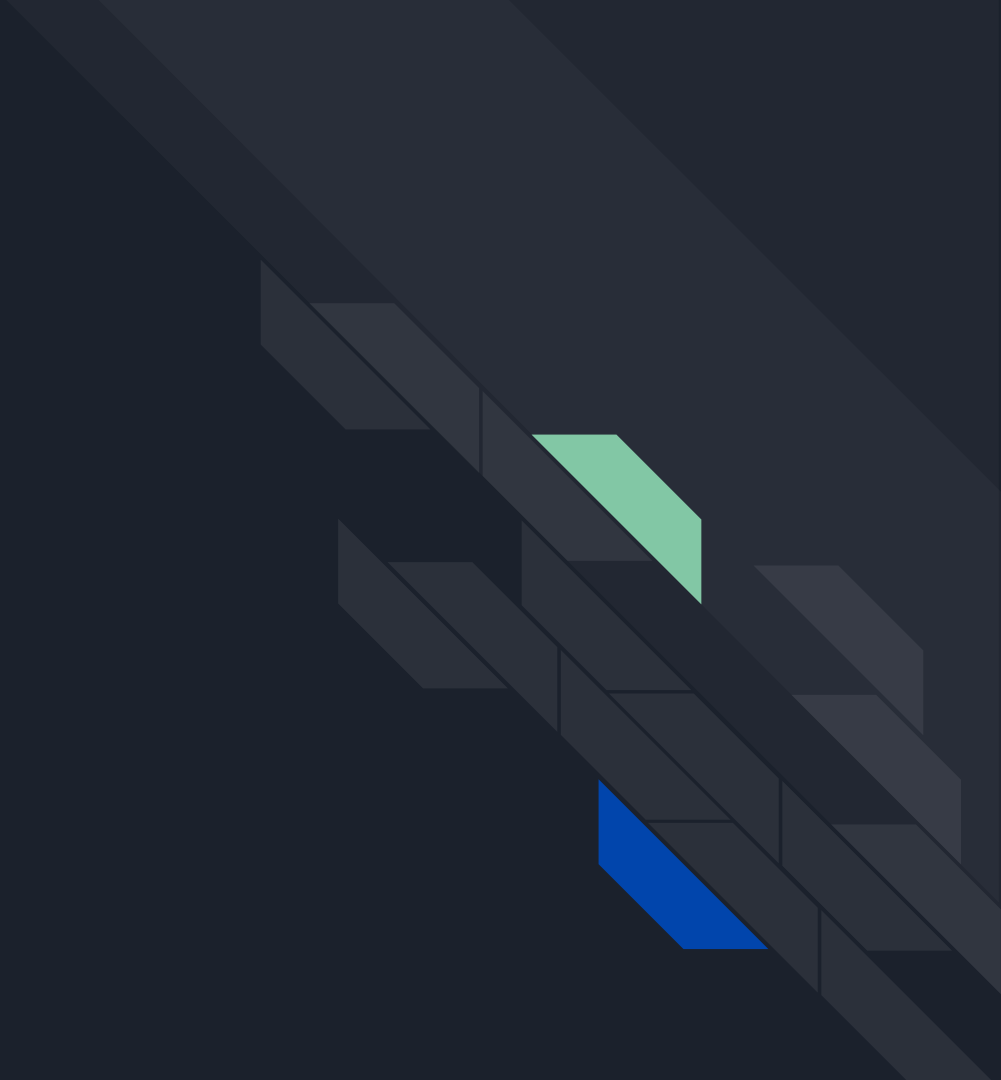
```
var i = 10;  
if (i > 0)  
{  
    // do something awesome  
}  
else  
{  
    // don't do something awesome  
}
```



C# - Loops

```
for (var i = 10; i >= 0; i--)  
{  
    // do something 10 times  
}
```

Demo





Thoughts on the Demo

- MSBuild
- Compiled vs Interpreted
- Object Oriented Programming
- Don't reinvent the wheel
- Explore the framework -
<https://docs.microsoft.com/en-us/dotnet/api/?view=netframework-4.7>
- Different Tools
 - Visual Studio
 - Powershell



Resources

- <https://github.com/hsv-dotnet-meetup/introduction-to-microsoft-dotnet>
- <https://docs.microsoft.com>
- <https://www.microsoft.com/net/download>
- <https://code.visualstudio.com>

Questions?

