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1 # Keynote Demo
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3 ## Talk Track
4 Extensions have come of age in Visual Studio 2015. You can:
5 - Add new UI such as menu items and tool windows to add your own tools.
6 - Extend the editor and our compilers to analyze and understand your code.
7 - Extend Visual Studio Online and Team Foundation Server to analyze
  information, manage the development workflow, or integrate external
  development services.
8 - Integrate a new compiler and project type into Visual Studio to bring new
  assets into your solution.
9 - Distribute your tool with the Visual Studio shell even if your users don't
  have Visual Studio.
10 - Reach millions of Visual Studio developers by publishing extensions on the
  Gallery, for free.
11
12 Roslyn (.NET Compiler Platform) blows open the extension model, enabling deep
  analysis using the same APIs that we use internally to implement Visual
  Studio.
13
14 ## Demo 1 - C# Essentials extension
15 - Open Customer class
16 - Show expression-bodied members, nameof(), interpolated strings, getter-only
  auto properties
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18 ## Demo 2 - DuoCode
19 - Visual Studio extension that transpiles C# into JavaScript. Uses Roslyn to
  analyze the code (so they understand even advanced C# 6 features), and then
  backend emits JavaScript.
20 - Demo RayTrace project. Build it. Show all files - show generated .JS file
21 - Open in Edge. F12 dev tools. Show source code mapping so that Edge is
  debugging C#!
22
23 ## Demo 3 - OzCode (time dependent)
24 - Extended debugging tools for Visual Studio built on top of Roslyn.
25 - Open business application and go to console Main(). Set a breakpoint and
  step through.
26 - Show inline variable visualizers
27 - Run to final line and show how you can surface properties from deep inside a
  nested collection
28 - Show all instances of Product that are loaded
29
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