The Future of Visual Studio: Visual Studio “15”

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Microsoft Development Approach | Powerful Open Productive
The Visual Studio family

Visual Studio
Most complete developer IDE

Visual Studio Code
Code Optimized Editor

Visual Studio Team Services
Cloud services for teams

Best-in-class tools for every developer and every team

Visual Studio momentum

12.7M+ Visual Studio 2015 downloads

6K+ extensions in gallery

950K+ extension downloads per month

W15 - The Future of Visual Studio “15” - Mark Wilson-Thomas
## Improvements since Visual Studio 2015

<table>
<thead>
<tr>
<th>Languages</th>
<th>XAML, WPF, UWP</th>
<th>.NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>- C#</td>
<td>• UWP tooling for Windows 10 Anniversary Update</td>
<td>• .NET Framework 4.6.2</td>
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<tr>
<td>• Interactive Window</td>
<td>• UWP XAML behavior support</td>
<td>• .NET Native 1.4</td>
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<tr>
<td>• Scripting</td>
<td>• WPF spellchecker additional languages</td>
<td>• .NET Core 3.0 preview tooling</td>
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<tr>
<td>• Go To Implementation</td>
<td>• XAML debugging UI track focus</td>
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<tr>
<td>• Code Analyzer Suppressions</td>
<td>• DirectX 11 integration for WPF</td>
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<tr>
<td>• New refactorings</td>
<td>• Per-monitor DPI support for WPF</td>
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<tr>
<td>• Convert method to property quick action (also for VB)</td>
<td>• Incredibuild integration</td>
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<tr>
<td>• NuGet package ref suggestions</td>
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<tr>
<td>• C++</td>
<td>• Node.js Tools 1.2 for Visual Studio</td>
<td>• Azure Service Fabric tools</td>
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<tr>
<td>• Improved C++ and C++ standards conformance</td>
<td>• Python Tools for Visual Studio 2.2.2</td>
<td>• Azure Data Factory tools</td>
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<td>• C++ draft feature support</td>
<td>• Tools for Visual Studio 1.8</td>
<td>• Docker Tools for Visual Studio</td>
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<tr>
<td>• UWP C++ Edit and Continue</td>
<td>• TypeScript 1.8.6 tooling</td>
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<td>Source Code Control</td>
<td>• Diagnostics Tools improvements</td>
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<td>• Pull requests tooling</td>
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<td>• Version control info in status bar</td>
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<td><strong>Client Tools</strong></td>
<td>• Diagnostics Tools improvements</td>
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<tr>
<td>• Xamarin 4.1.1</td>
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<td>• Tools for Apache Cordova Update 10</td>
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<td>• Xcode project import wizard</td>
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<td>• Android API 23 (Marshmallow) support</td>
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<td>• Entity Framework Core 1.0</td>
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<td>• Parallel test execution</td>
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<td>• NuGet Package Manager UI updates</td>
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**Visual Studio “15”**

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New acquisition experience

Lightweight
Base install 395 MB

Fast
Base install average <180s

Optimized
Installs only what you need

Low impact & isolated
Side-by-side installation got safer

http://aka.ms/vsnext

Developer Inner Loop Productivity

Edit
Create and update your code

Compile
Build your code

Test
Validate your code

Diagnose
Fix and optimize your code
Developer Inner Loop Productivity

Edit
Create and update your code

Commit
Share your code

Compile
Build your code

Diagnose
Fix and optimize your code

Test
Validate your code

Productivity - Commit
Developer Inner Loop Productivity

Edit
More efficient in writing code

Compile
No time wasted waiting for compilation

Commit
Optimized SCC workflow with rich history

Diagnose
Performance insights and powerful debugging

Test
Quality early and continuous execution

Productivity
More demos...
C++ Quick Fixes

- Turn the experimental fixes on in Tools-Options for C/C++

- Download more experimental quick fixes now for Visual Studio 2015 as extension

- Based on feedback, experiments will be improved and incorporated in future releases

Intellisense Filtering

- C#/VB only, off by default in Visual Studio “15” Preview 4, later on by default and available for more languages
Go To ... Navigation

• Sneak Peek! Will appear sometime after Preview 4
• Improves ease of discovery and access over existing Navigate To
• One easy way to Go To Lines, Files, Symbols, ...

Structure Visualization

• Sneak Peek! Will appear sometime after Preview 4
• On by default but switchable in Tools-Options
• Top UserVoice request and popular Productivity Power Tools Feature
Conventions with .editorconfig files

• Sneak Peek! Will appear sometime after Preview 4
• Coding conventions that travel with your codebase
• Top UserVoice request for VS

• Declare and check in key coding convention settings like tabs vs spaces, tab size, indent style/size etc
• Extending vocabulary to more convention settings

We want to hear from you!

Inside Visual Studio

Report a problem
“I ran into an issue”
Send a suggestion
“I have a great idea”
Rate this product
“I love Visual Studio!”

Outside Visual Studio

Take surveys
“I have more to tell you”
Forums
Social channels
@visualstudio
Visual Studio “15” Brings you....

- Lightweight, streamlined install experience
- Coding for Any Dev, Any App
- Productivity!
  - Start page
  - C++ fixers
  - New Salsa JavaScript Language Service
  - IntelliSense filtering
  - New Commit experience
  - Roaming Extension Manager
  - New Exception Helper

Sneak Peeks, after Preview 4:
  - Coding Conventions via .editorconfig
  - Go To – navigation
  - Structure Visualization

- Always getting better, through your feedback

Try the Preview, and keep in touch with us!

- Use the great tools you just saw
- Get in touch with me with any Visual Studio IDE feedback, positive or negative, @markpavwt