



ASP.NET 5 的創新與變革



多奇數位創意有限公司

技術總監 黃保翕 (Will 保哥)

部落格：<http://blog.miniasp.com/>

這個產業不尊重傳統，只尊重創新。

微軟新任 CEO / SATYA NADELLA

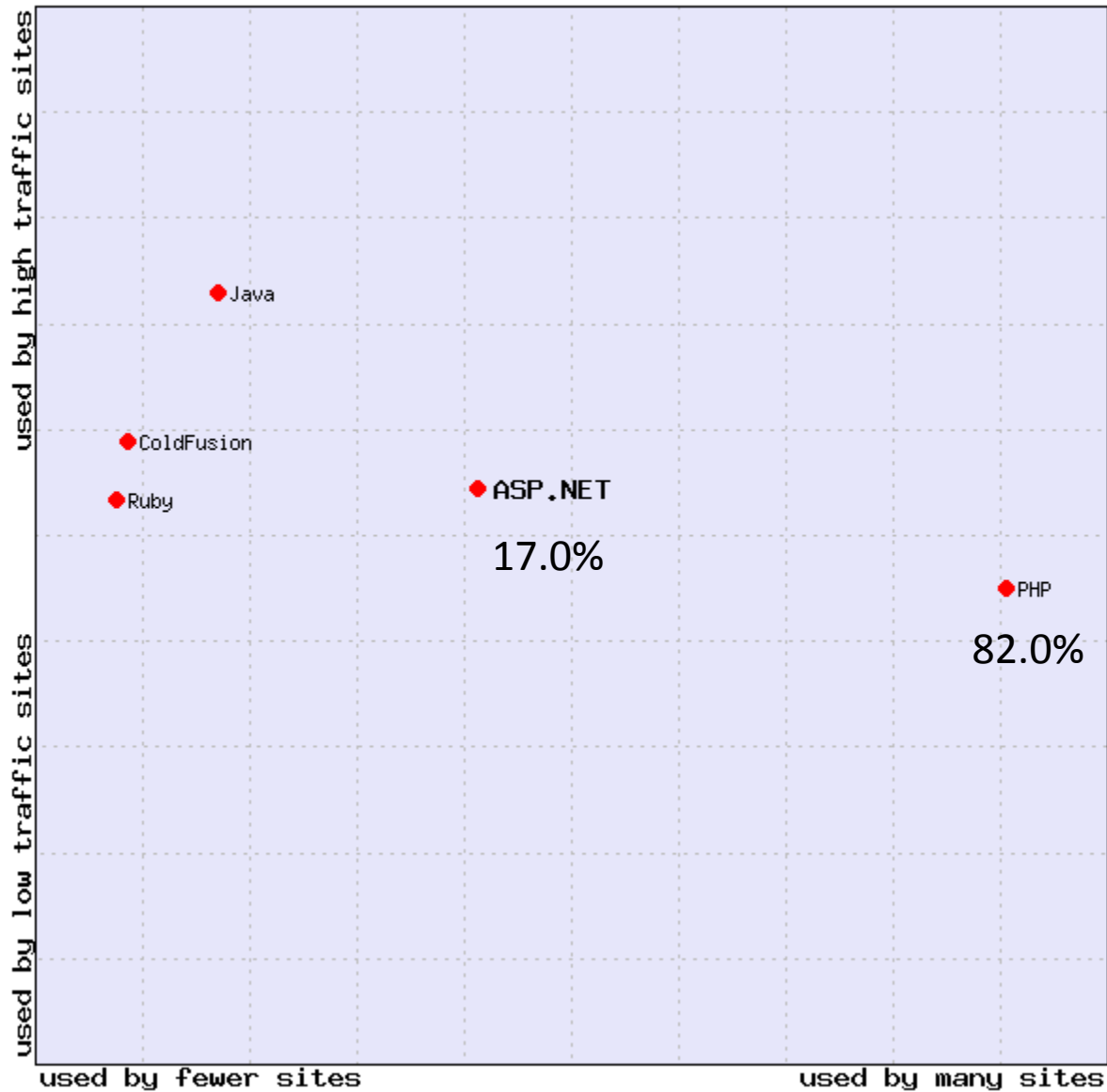
Embrace Open x [Source, Data, APIs, ...]

擁抱開放



ASP.NET 的市佔率

ASP.NET Market Position, 12 May 2015, W3Techs.com



http://w3techs.com/technologies/history_overview/programming_language


<http://www.quora.com/What-is-the-market-share-of-ASP-net-compared-to-PHP-Ruby-or-Python>

<http://w3techs.com/technologies/comparison/pl-aspnet,pl-php>

<http://w3techs.com/technologies/details/pl-aspnet/all/all>

Smart is the New Sexy !

- 來自美劇《宅男行不行》或《生活大爆炸》



The screenshot shows the IMDb page for the TV series 'The Big Bang Theory'. The header includes the IMDb logo, a search bar, and navigation links for Movies, TV & Showtimes, Celebs, Events & Photos, News & Community, and Watchlist. The main content area features the show's title, a description, a star rating of 8.5, and a list of creators and stars.

IMDb Find Movies, TV shows, Celebrities and more... All

Movies, TV & Showtimes Celebs, Events & Photos News & Community Watchlist

theBIG BANG THEORY

The Big Bang Theory (2007–) [More at IMDbPro »](#)

TV Series | 22 min | Comedy


8.5 Your rating: ★★★★★★ -/10
Ratings: 8.5/10 from 444,140 users
Reviews: 325 user | 99 critic

A woman who moves into an apartment across the hall from two brilliant but socially awkward physicists shows them how little they know about life outside of the laboratory.

Creators: [Chuck Lorre](#), [Bill Prady](#)
Stars: [Johnny Galecki](#), [Jim Parsons](#), [Kaley Cuoco-Sweeting](#)
[See full cast and crew »](#)

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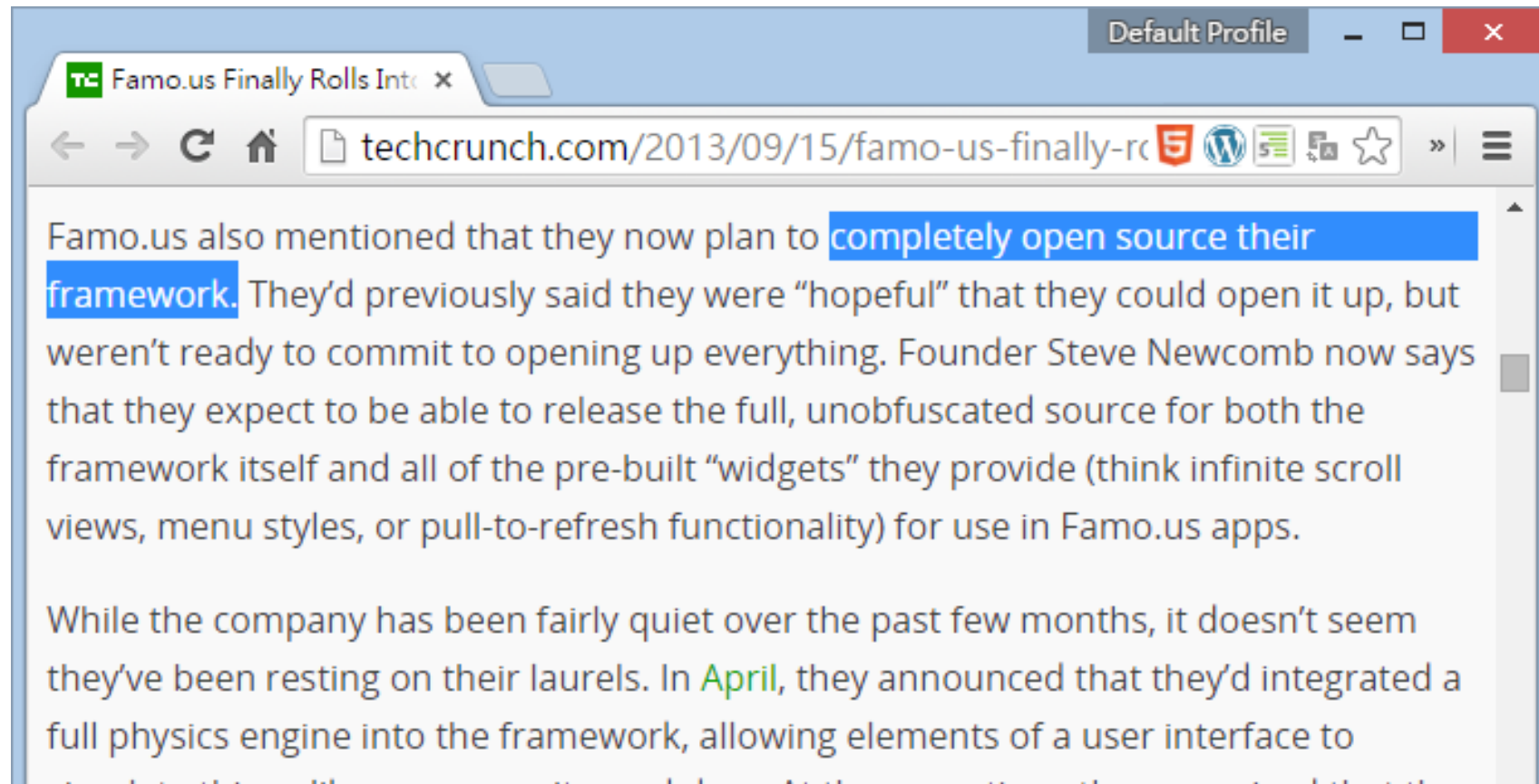
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[See full cast and crew »](#)

Open is the New Sexy !

- Famo.us
 - an open source 3D layout engine



Open is the New Sexy

- [.NET Reflector](#)
 - Decompile, understand, and fix any .NET code

redgate
ingeniously simple

STANDARD

\$95

per user

 **BUY NOW**

BASIC DECOMPILE

A standalone application to
explore and navigate
decompiled code

VSPRO

\$199

per user

 **BUY NOW**

DEBUG 3RD PARTY CODE

Dynamic decompilation
inside Visual Studio

Includes the standalone
application, and the
Reflector Object Browser

Open is the New Sexy

- ~~.NET Reflector~~

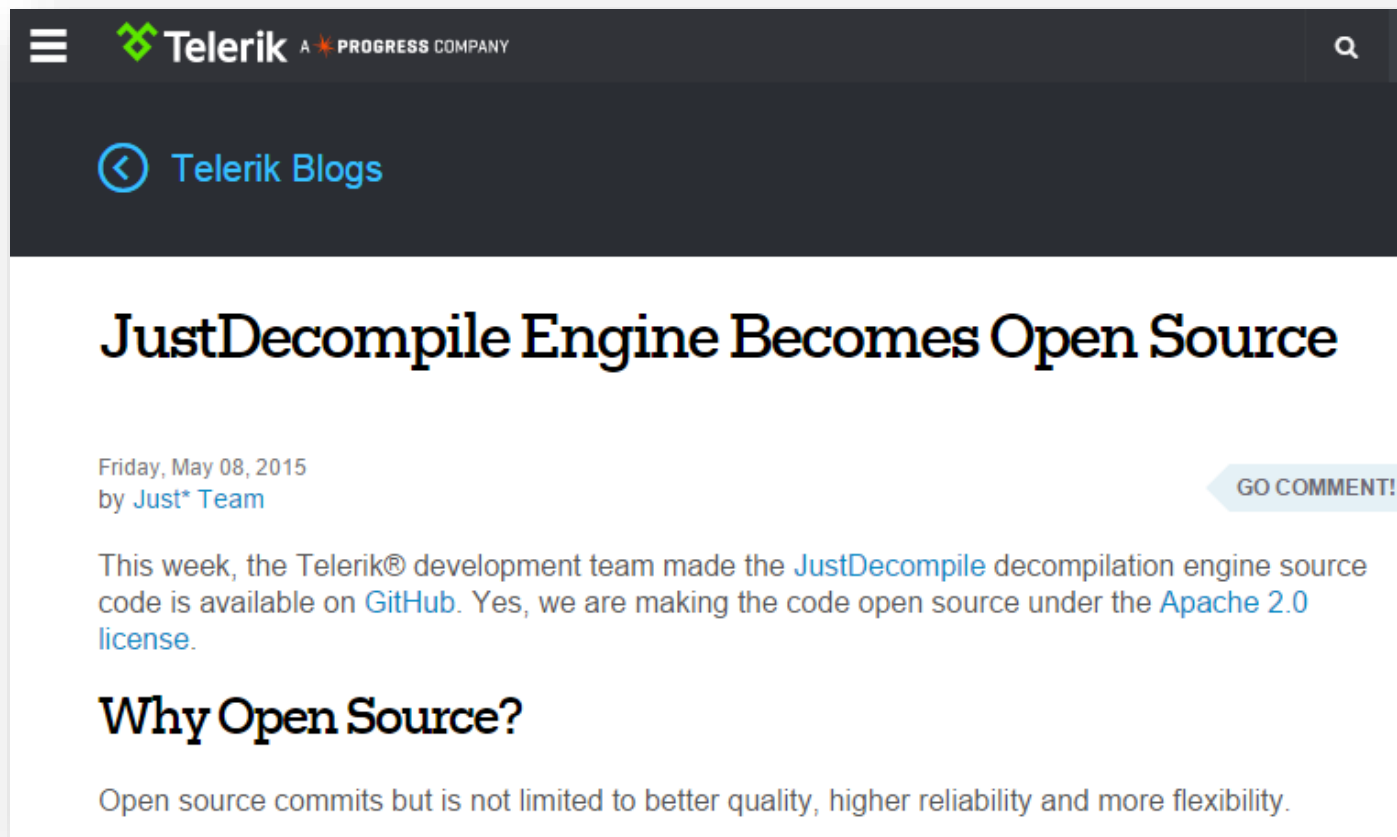
- ~~– Decompile, understand, and fix any .NET code~~

Open is the New Sexy

- [JustDecompile](#)



– Free. For everyone. Forever.

A screenshot of a web browser showing a blog post from Telerik. The header includes the Telerik logo and 'A PROGRESS COMPANY'. The breadcrumb trail shows 'Telerik Blogs'. The main heading is 'JustDecompile Engine Becomes Open Source'. Below the heading, it says 'Friday, May 08, 2015 by Just* Team' and a 'GO COMMENT!' button. The body text states that the JustDecompile decompilation engine source code is now available on GitHub under the Apache 2.0 license. A subheading 'Why Open Source?' is followed by the text 'Open source commits but is not limited to better quality, higher reliability and more flexibility.'

☰ Telerik A PROGRESS COMPANY 🔍

⬅️ Telerik Blogs

JustDecompile Engine Becomes Open Source

Friday, May 08, 2015
by [Just* Team](#) [GO COMMENT!](#)

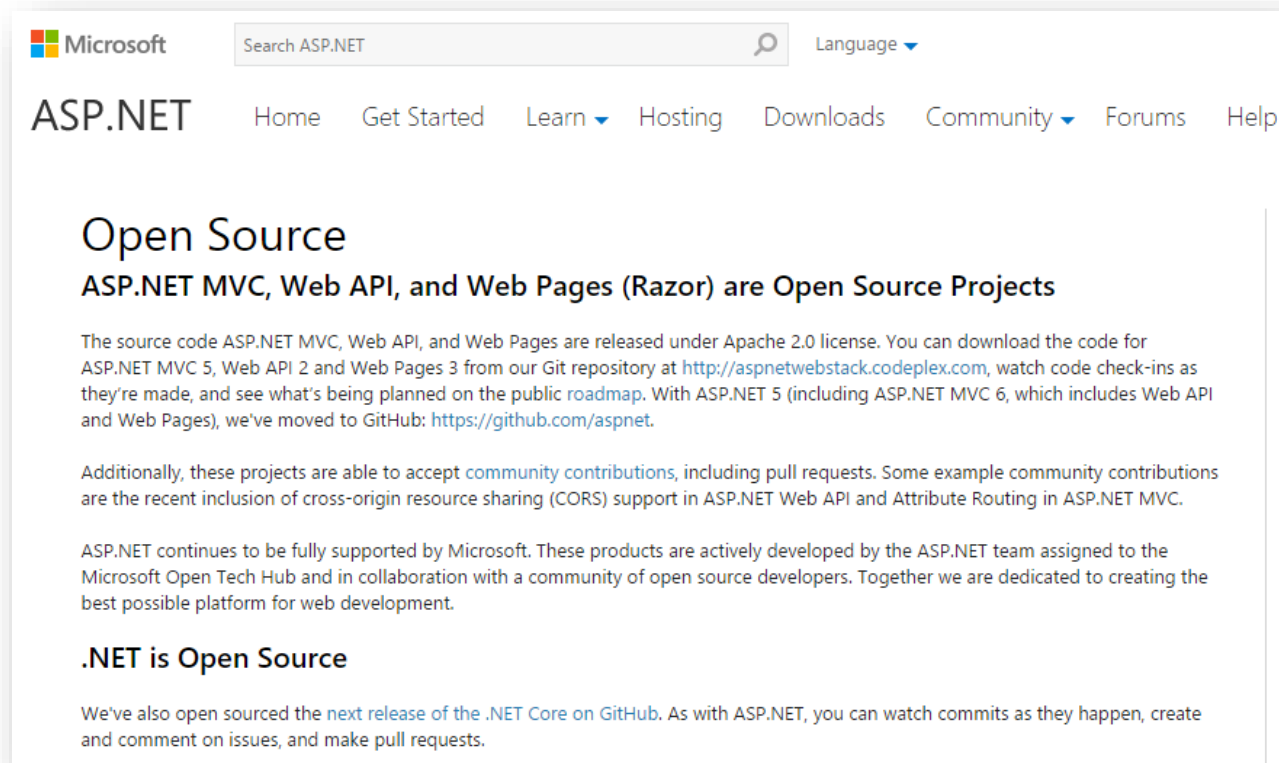
This week, the Telerik® development team made the [JustDecompile](#) decompilation engine source code is available on [GitHub](#). Yes, we are making the code open source under the [Apache 2.0 license](#).

Why Open Source?

Open source commits but is not limited to better quality, higher reliability and more flexibility.

Open is the New Sexy

- [ASP.NET 5](#) / [.NET Core 5](#)
 - <http://www.asp.net/open-source>

A screenshot of the ASP.NET website's 'Open Source' page. The page features the Microsoft logo and a search bar at the top. The navigation menu includes links for Home, Get Started, Learn, Hosting, Downloads, Community, Forums, and Help. The main heading is 'Open Source', followed by a subheading 'ASP.NET MVC, Web API, and Web Pages (Razor) are Open Source Projects'. The text explains that the source code for these technologies is released under the Apache 2.0 license and can be downloaded from the ASP.NET WebStack Codeplex repository or GitHub. It also mentions that these projects accept community contributions, including pull requests, and that ASP.NET continues to be fully supported by Microsoft. The page concludes with a section titled '.NET is Open Source', stating that the .NET Core is also open sourced on GitHub.

Microsoft Search ASP.NET Language

ASP.NET Home Get Started Learn Hosting Downloads Community Forums Help

Open Source

ASP.NET MVC, Web API, and Web Pages (Razor) are Open Source Projects

The source code ASP.NET MVC, Web API, and Web Pages are released under Apache 2.0 license. You can download the code for ASP.NET MVC 5, Web API 2 and Web Pages 3 from our Git repository at <http://aspnetwebstack.codeplex.com>, watch code check-ins as they're made, and see what's being planned on the public [roadmap](#). With ASP.NET 5 (including ASP.NET MVC 6, which includes Web API and Web Pages), we've moved to GitHub: <https://github.com/aspnet>.

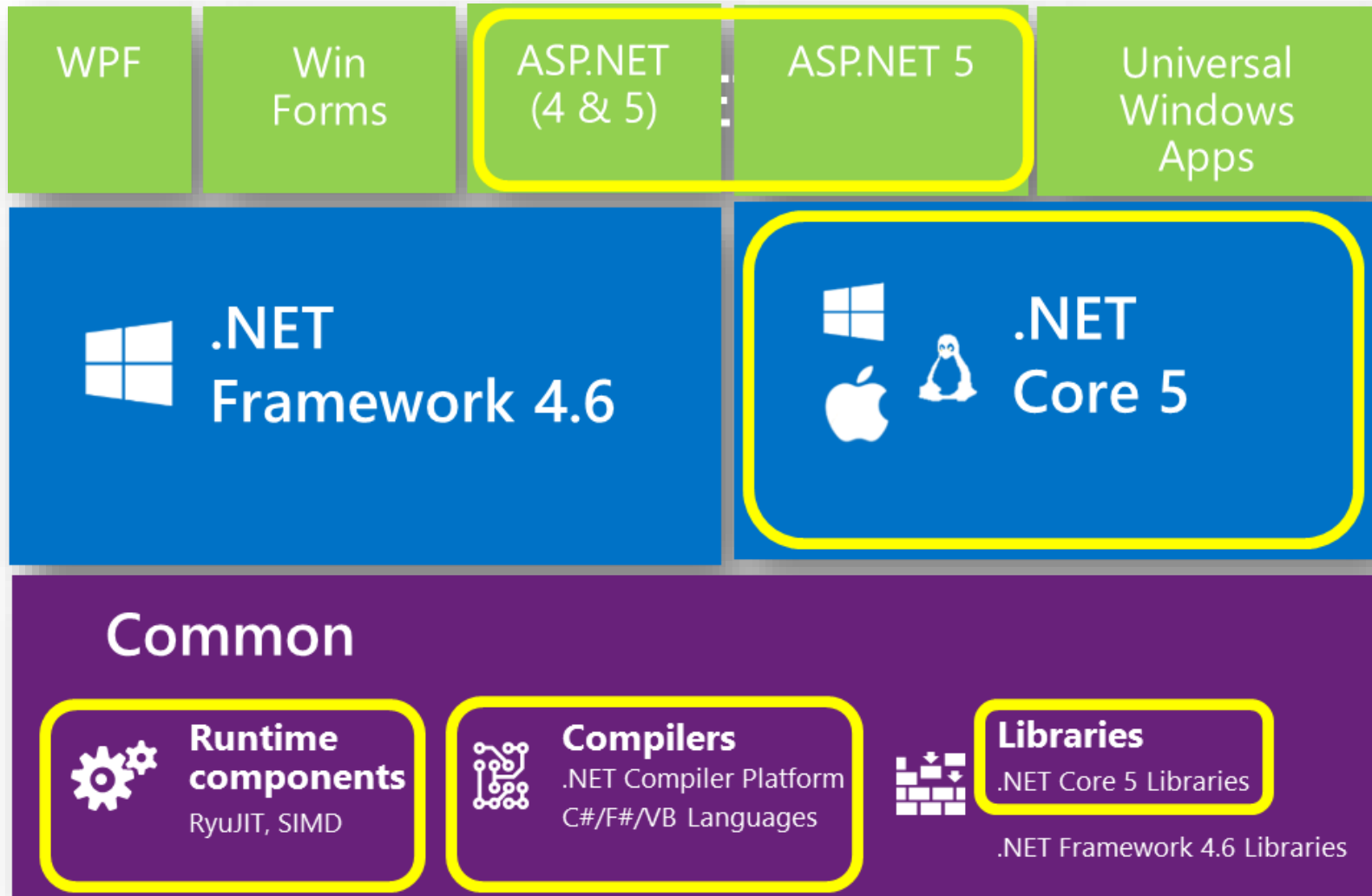
Additionally, these projects are able to accept [community contributions](#), including pull requests. Some example community contributions are the recent inclusion of cross-origin resource sharing (CORS) support in ASP.NET Web API and Attribute Routing in ASP.NET MVC.

ASP.NET continues to be fully supported by Microsoft. These products are actively developed by the ASP.NET team assigned to the Microsoft Open Tech Hub and in collaboration with a community of open source developers. Together we are dedicated to creating the best possible platform for web development.

.NET is Open Source

We've also open sourced the [next release of the .NET Core on GitHub](#). As with ASP.NET, you can watch commits as they happen, create and comment on issues, and make pull requests.

Open is the New Sexy



Open is the New Sexy

- [MSBuild](#)
 - The Microsoft Build Engine (MSBuild)

Server & Tools Blogs > Developer Tools Blogs > .NET Blog

Executive Bloggers	Visual Studio	Application Lifecycle Management	Languages	.NET
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.NET Blog

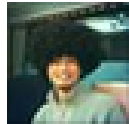
A first hand look from the .NET engineering teams

MSBuild Engine is now Open Source on GitHub

 Rich Lander [MSFT]  18 Mar 2015 12:53 PM  36

Open is the New Sexy

- [Microsoft/node](#)
 - Enable Node.js to use Chakra as its JavaScript engine



Will 保哥的技术交流中心

5月13日 19:10 · 🌐

微軟在 [GitHub](#) 上 Fork 了 [Node.js](#) 專案，並把 [nodejs](#) 內建的 V8 JavaScript 引擎換成微軟自家的 [Chakra](#) 引擎，目前僅支援 [Windows 10](#) 作業系統，最主要是為了讓 [Windows on ARM](#) 也可以跑 [node.js](#)，未來等原始碼穩定還會合併回原始的 [Node.js](#) 專案。

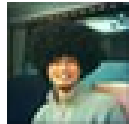
-
現在的微軟越來越沒有極限了！ lol

Microsoft/node

node - Enable Node.js to use Chakra as its JavaScript engine.

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[Microsoft/node](#)

node - Enable Node.js to use Chakra as its JavaScript engine.

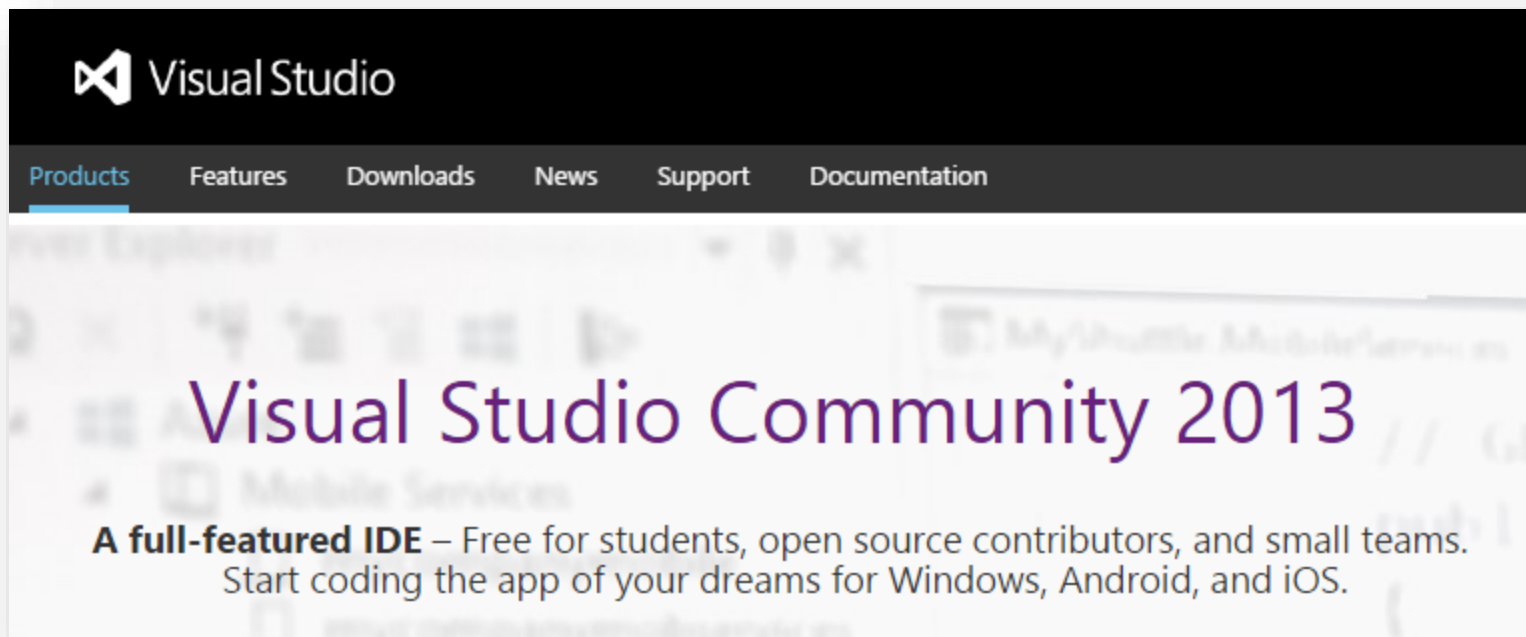
Embrace Free x [OS, Software, Tool, ...]

擁抱自由



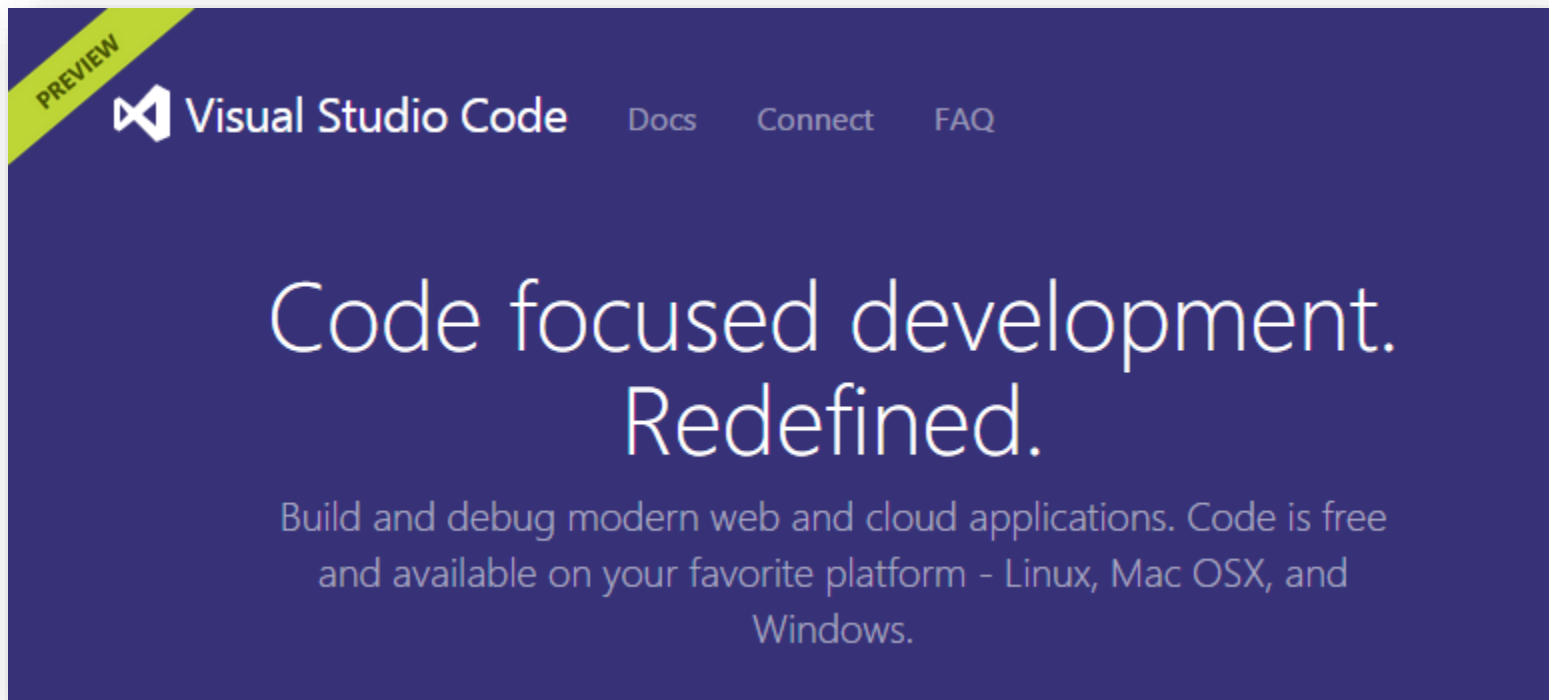
Free is the *Old* Sexy

- [Visual Studio Community 2013 / 2015](#)
 - 五人團隊以下與學生皆可自(口-マゝ)由(口ゝゝ)使用
 - 擁有 **Visual Studio 專業版** 所有功能



Free is the *Old* Sexy

- Visual Studio Code
 - 完全免費的文字編輯器，跨平台！
 - 基於 GitHub Electron Shell (Atom) 平台



Cross-Platform x [Win7, Win8, Win10, ..., Linux, Mac, ...]

跨平台



跨平台網站框架

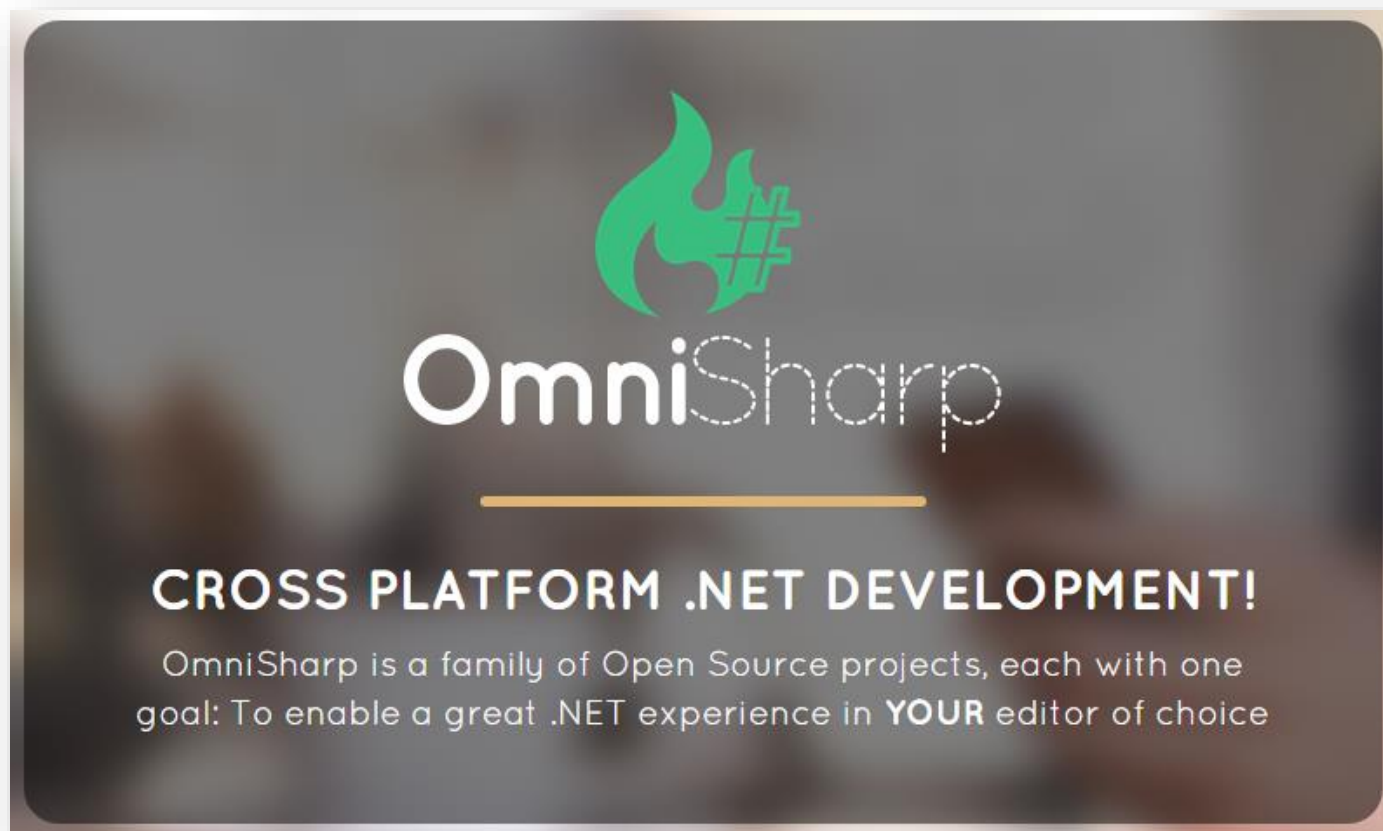
- PHP
- Java / JSP
- NodeJS
- Python
- Ruby on Rail
- ASP.NET
 - Windows
 - Linux
 - Mac
 - FreeBSD ?

真正跨平台的 .NET 核心框架

- 微軟官方提供 non-Windows 平台支援
 - Linux
 - [Mono](#)
 - [.NET Core 5](#)
 - Mac
 - [Mono](#)
 - [.NET Core 5](#)

跨平台的開發工具

- [OmniSharp](#)
 - Corss platform .NET development!



HERE'S HOW YOU CAN TOO



Go Out of the Ivory Tower

走出象牙塔



套件管理器 Microsoft Style

- [NuGet](#)
 - NuGet is the package manager for the Microsoft development platform including .NET.
- [Chocolatey](#)
 - package manager for Windows
 - like apt-get or yum but for Windows

套件管理器 New Sexy

- [npm](#)
 - node package manager
- [bower](#)
 - A package manager for the web

自動化工具 Microsoft Style

- Batch
- PowerShell
- MSBuild
 - The Microsoft Build Engine (MSBuild) is the build platform for .NET and Visual Studio.

自動化工具 New Sexy

- [Grunt](#)
 - The JavaScript Task Runner
- [Gulp](#)
 - Automate and enhance your workflow



The ASP.NET Revolution

ASP.NET 5 的變革



ASP 開發技術的歷史

- 1996 – Active Server Pages (ASP)
- 2002 – ASP.NET Web Forms
- 2008 – ASP.NET MVC
- 2010 – ASP.NET Web Pages (Razor)
- 2012 – ASP.NET Web API, SignalR
- 2014 – ASP.NET 5

關於 ASP.NET 5



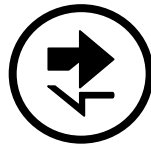
完全模組化 (打掉重練)



地面與雲端部署無縫接軌



開放原始碼



更快的部署週期



編輯器與開發工具



真正跨平台



跑得更快

ASP.NET 5 與舊版的相容性

- ASP.NET 4.5 (ASP.NET MVC 5) 以前的網站
 - 可以不用重寫！
 - 依然可以跑在 .NET Framework 4.6 上！
 - 請記得：
 - ASP.NET 5 是一種開發模型的轉變！
- 如果想用到 ASP.NET 5 的新功能特性
 - 必須微調部分程式碼與專案架構才能用！

Summary

總結



ASP.NET 5 的創新與變革

- 擁抱開放
- 擁抱自由
- 跨平台
- 走出象牙塔
- ASP.NET 5 的變革

聯絡資訊

- The Will Will Web

記載著 Will 在網路世界的學習心得與技術分享

- <http://blog.miniasp.com/>

- Will 保哥的技術交流中心 (臉書粉絲專頁)

- <http://www.facebook.com/will.fans>

- Will 保哥的噗浪

- <http://www.plurk.com/willh/invite>