

Visual Studio 2017 Launch



¿Qué es esta presentación?

Esta presentación fue la utilizada el 11/03/2017 en las oficinas de Microsoft Argentina, en marco del evento “Lanzamiento de Visual Studio 2017 para la Comunidad Técnica”.

Este evento fue organizado sin ánimos de lucro por Net-Baires (www.net-baires.com.ar) y contó con el apoyo de Microsoft Argentina y otros sponsors.

Los organizadores, que son colaboradores de la comunidad técnica, fueron (por orden alfabético): Germán Küber (@germankuber), Guillermo Bellamann (@gjbellmann), Nicolás Bello (@nbelloccam), y Pablo Ariel Di Loreto (@pablodiloreto).

A continuación te mostramos algunas fotos tomadas durante el encuentro:

Algunas fotos del evento:

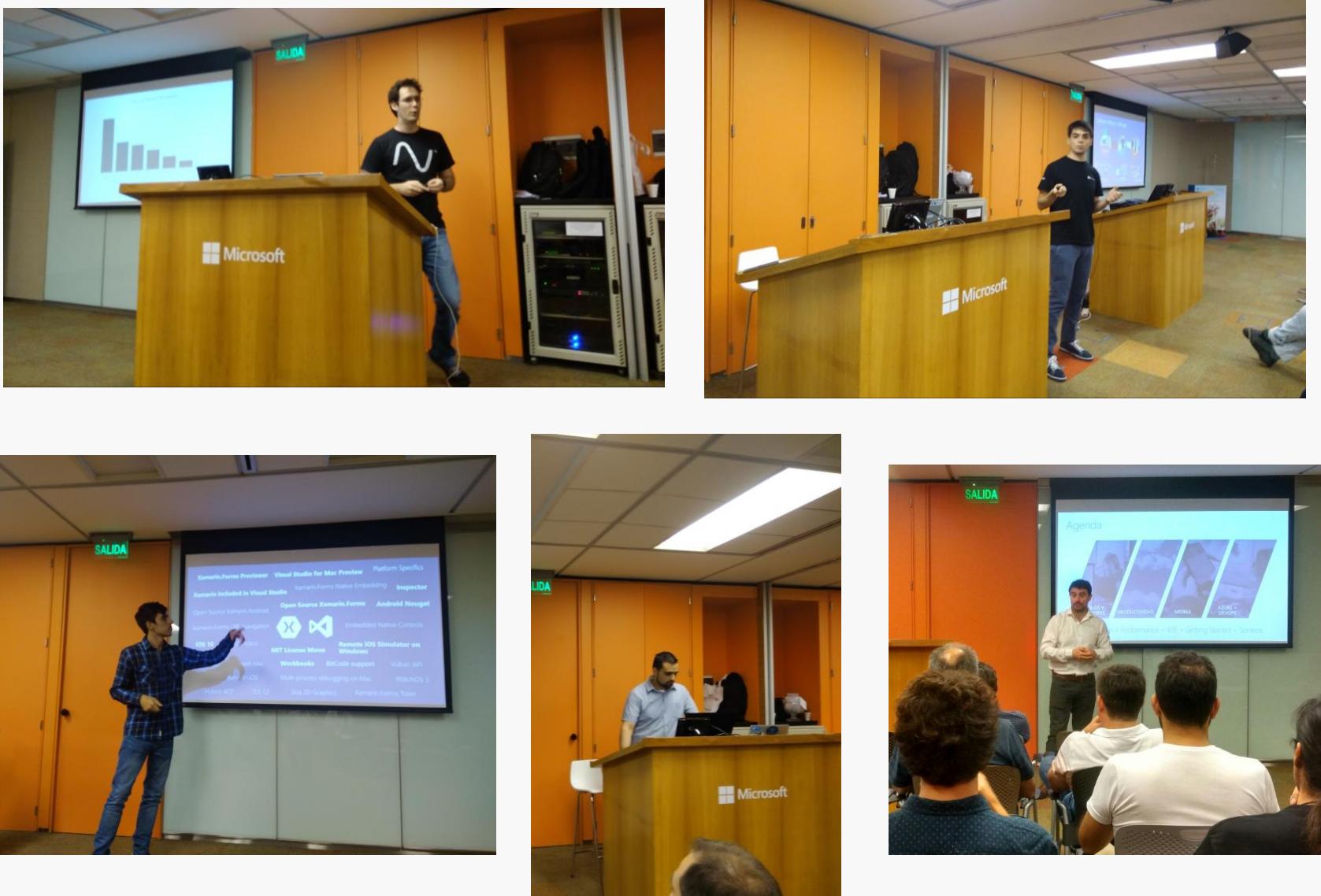
[Tweet](#) [Search](#)

 Microsoft Argentina 
@MSFTArgentina

Los primeros ganadores de los sorteos de Azure Pass en #VS2017



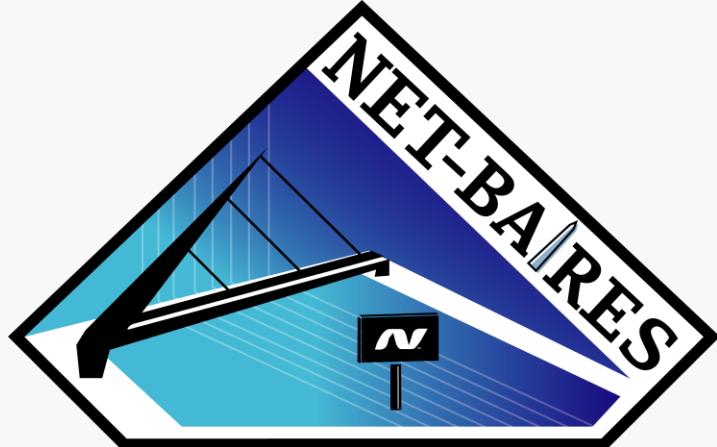
11:07 a. m. · 11 mar. 17



A todos los asistentes: ¡Gracias por participar!

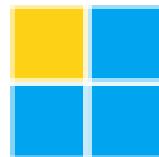


¿Quiénes apoyaron este Evento?



.Net Conf AR 2017

workshops + conferencias + expertos + comunidad
¿Aún no te inscribiste?



.NET Conf AR v2017

<http://netconfar.com/>

Agenda



LENGUAJES Y
FRAMEWORKS

PRODUCTIVIDAD

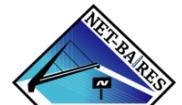
MOBILE

AZURE +
DEVOPS

Introducción + Performance + IDE + Getting Started + Sorteos

Un poco de historia

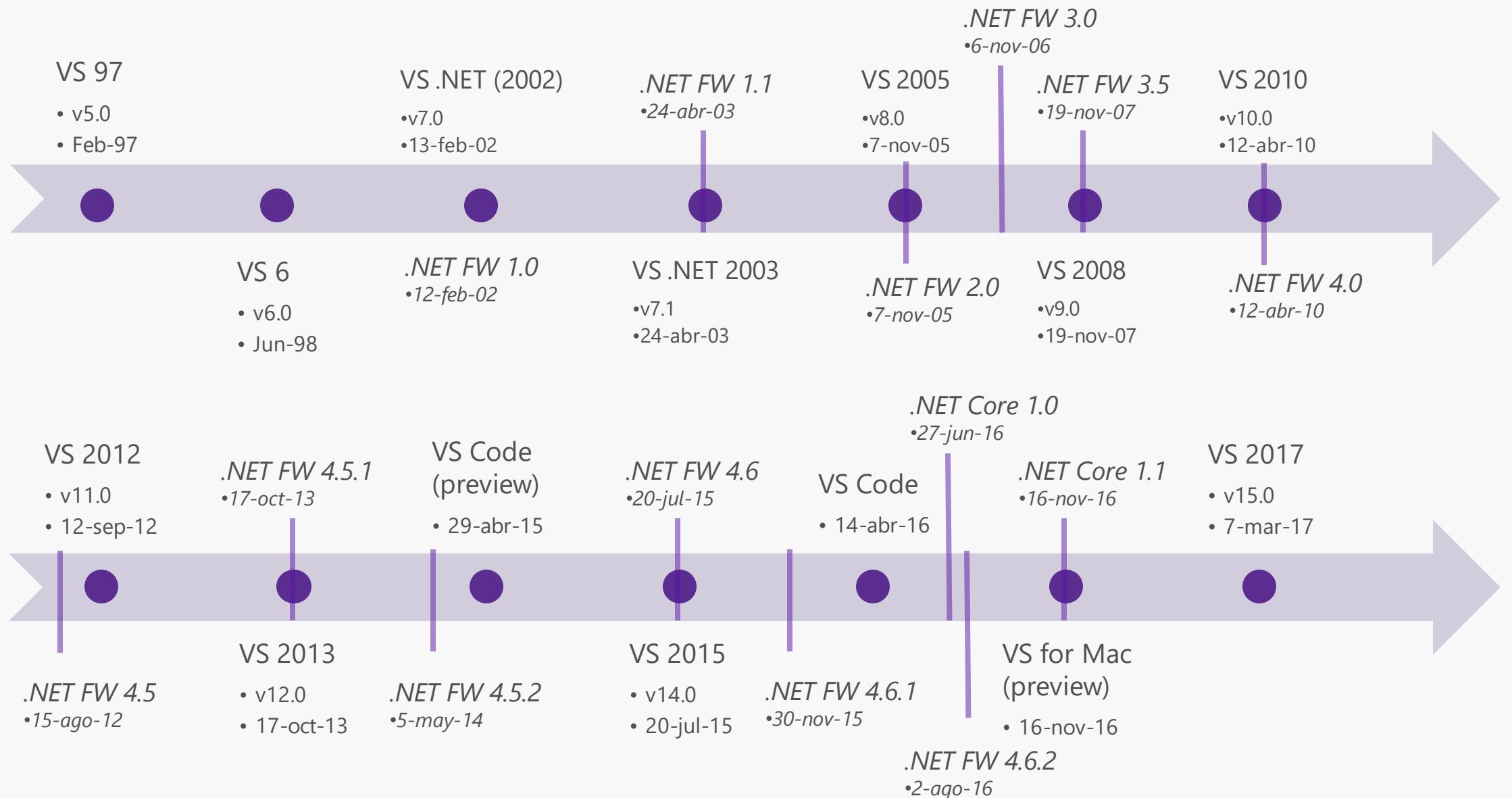
Guillermo Bellmann
@gjbellmann



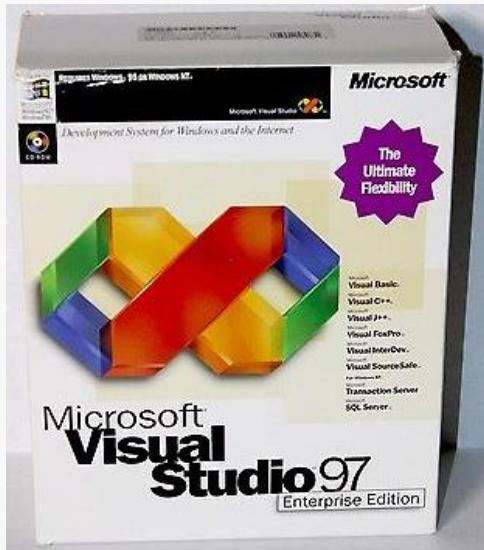
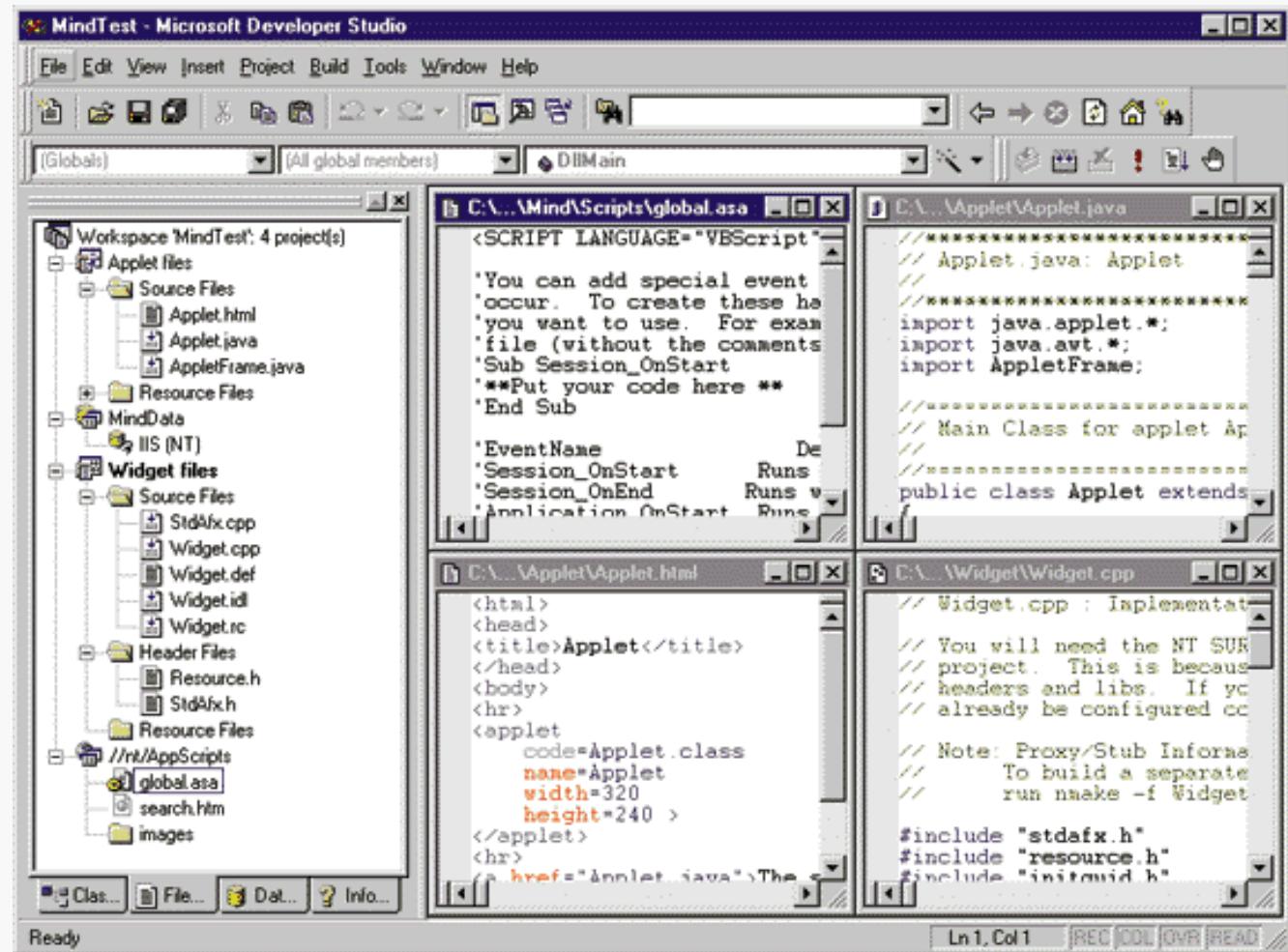
SOUTHWORKS



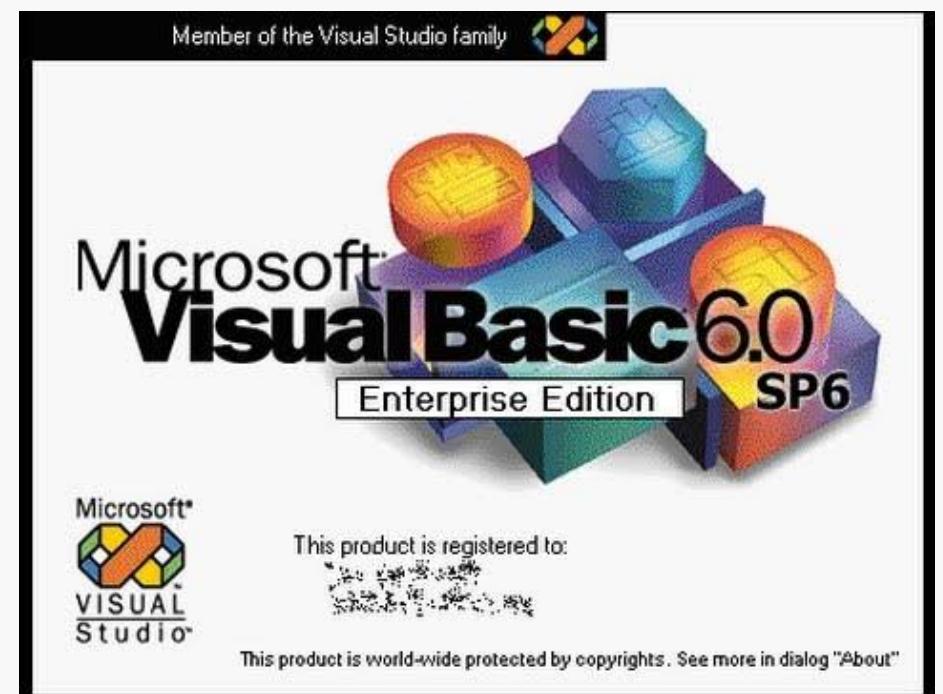
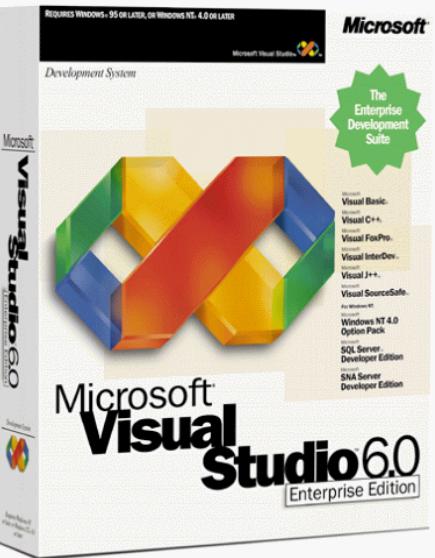
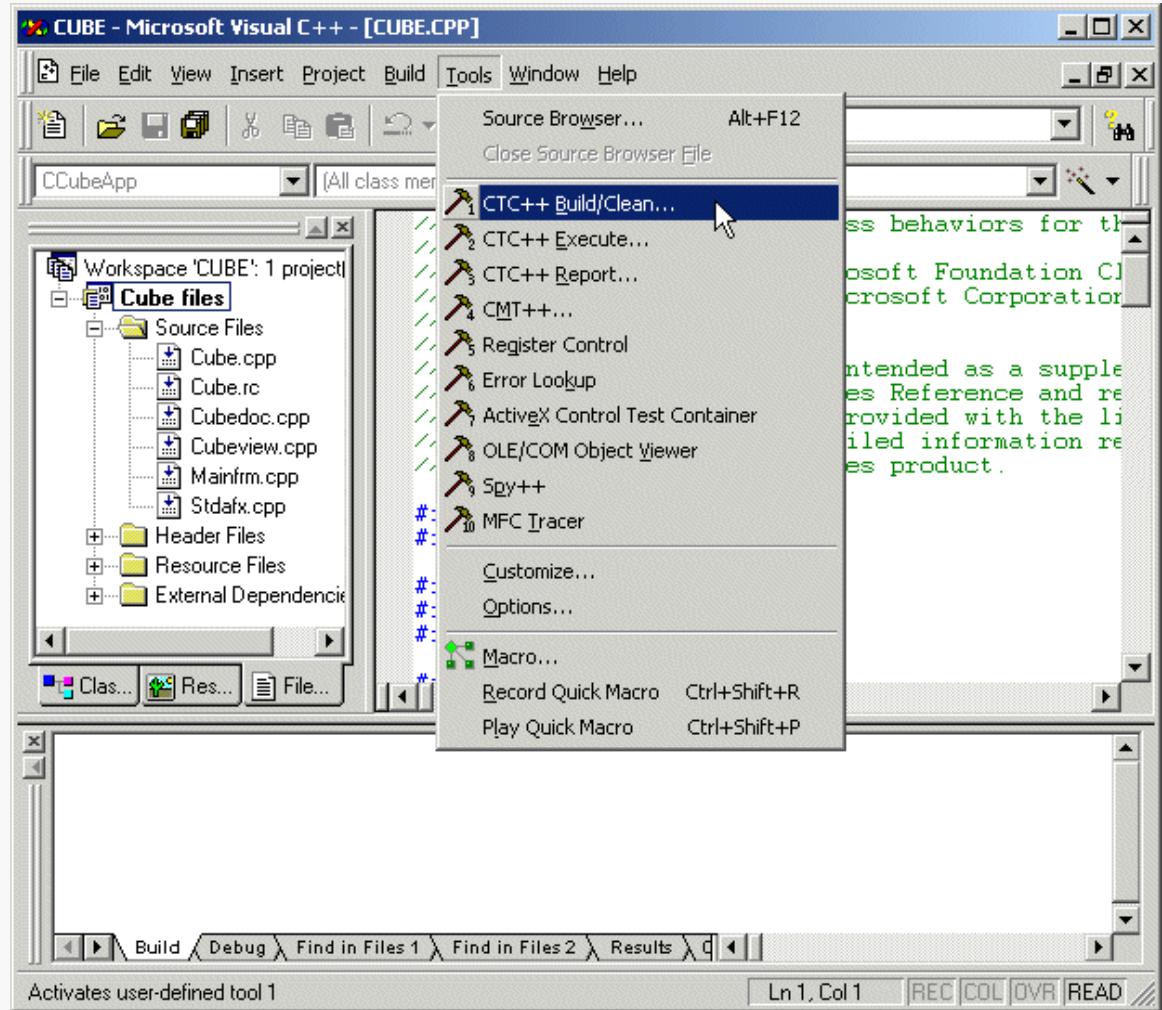
Timeline



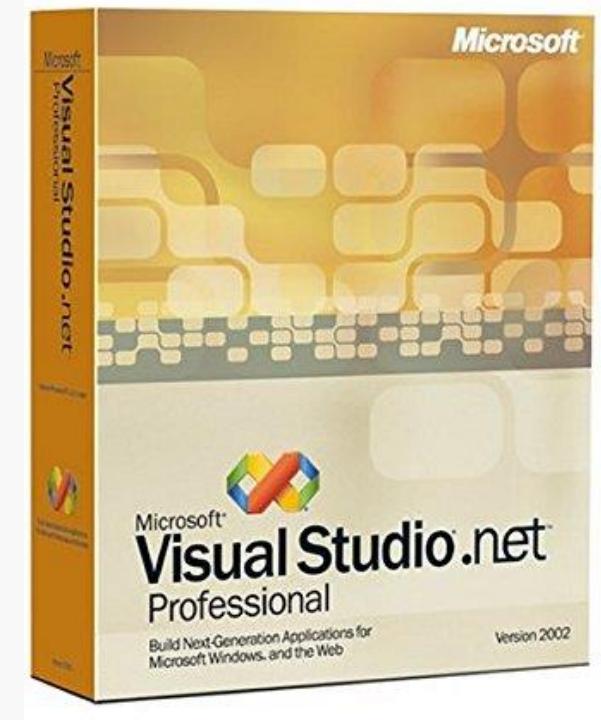
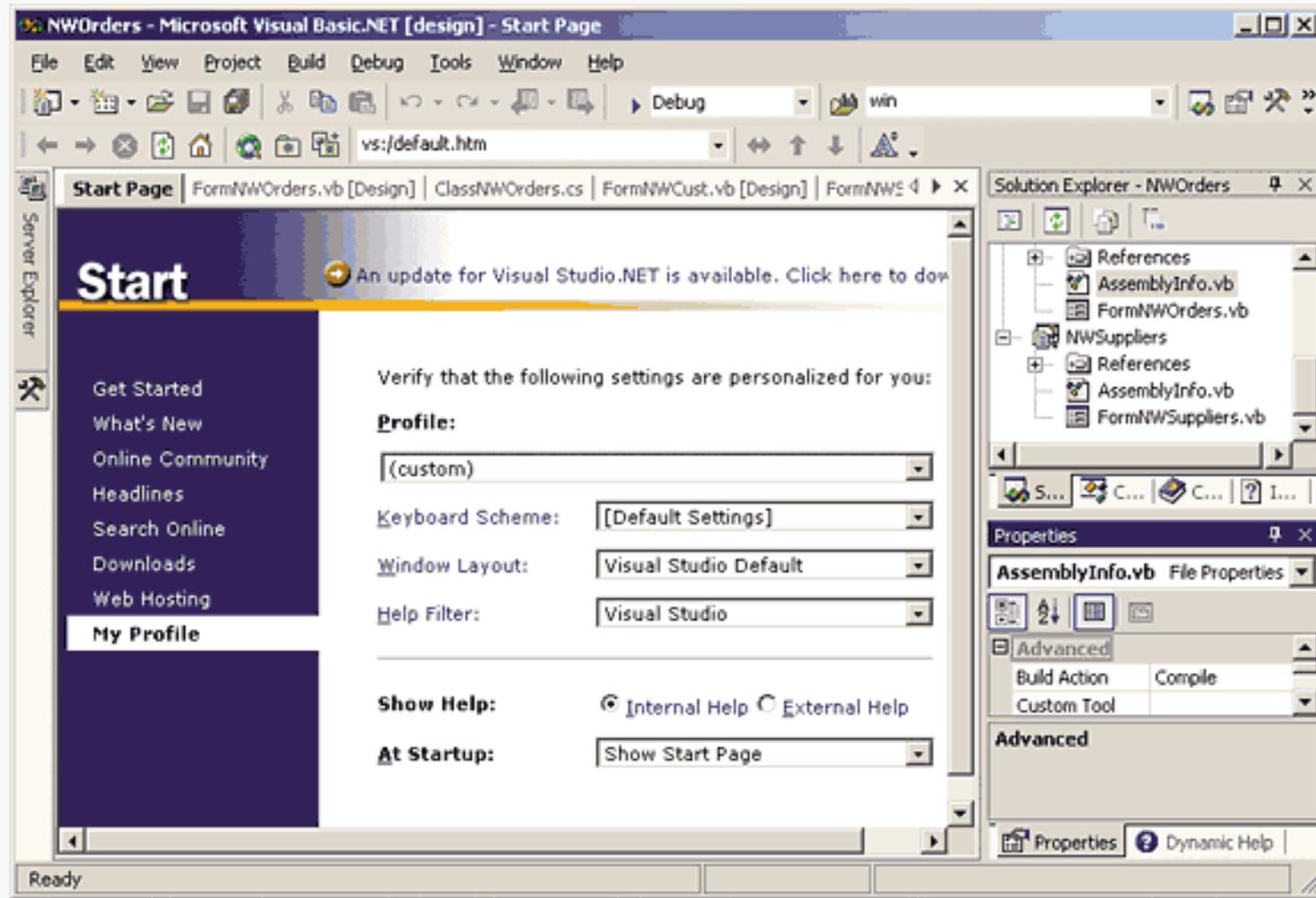
Visual Studio 97



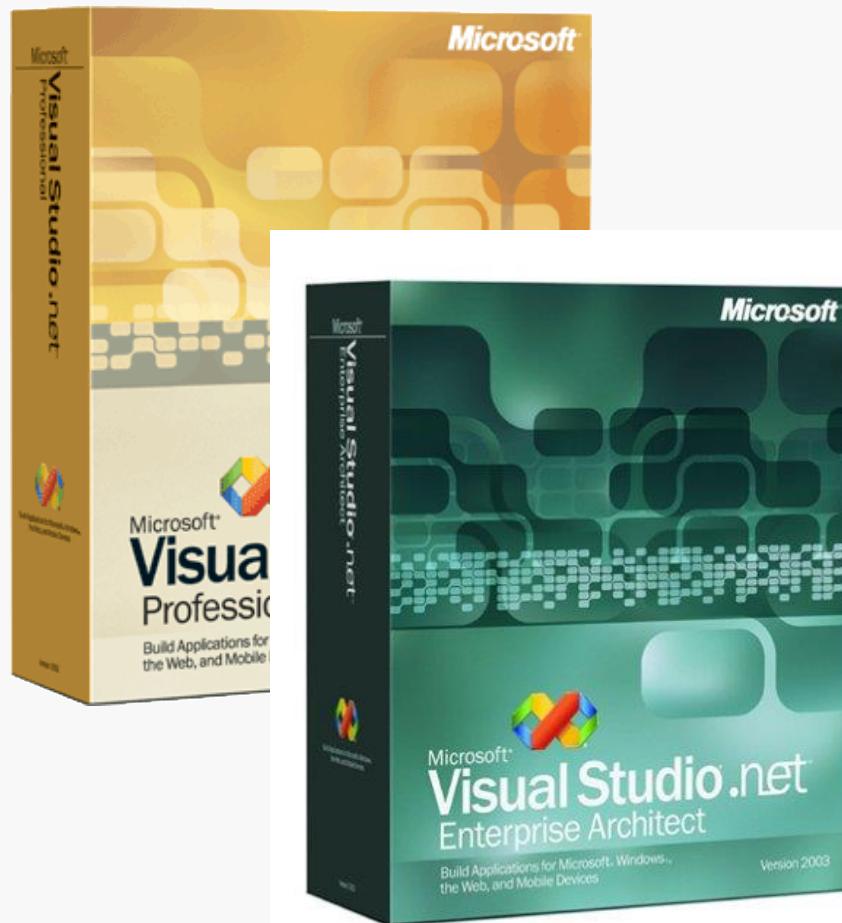
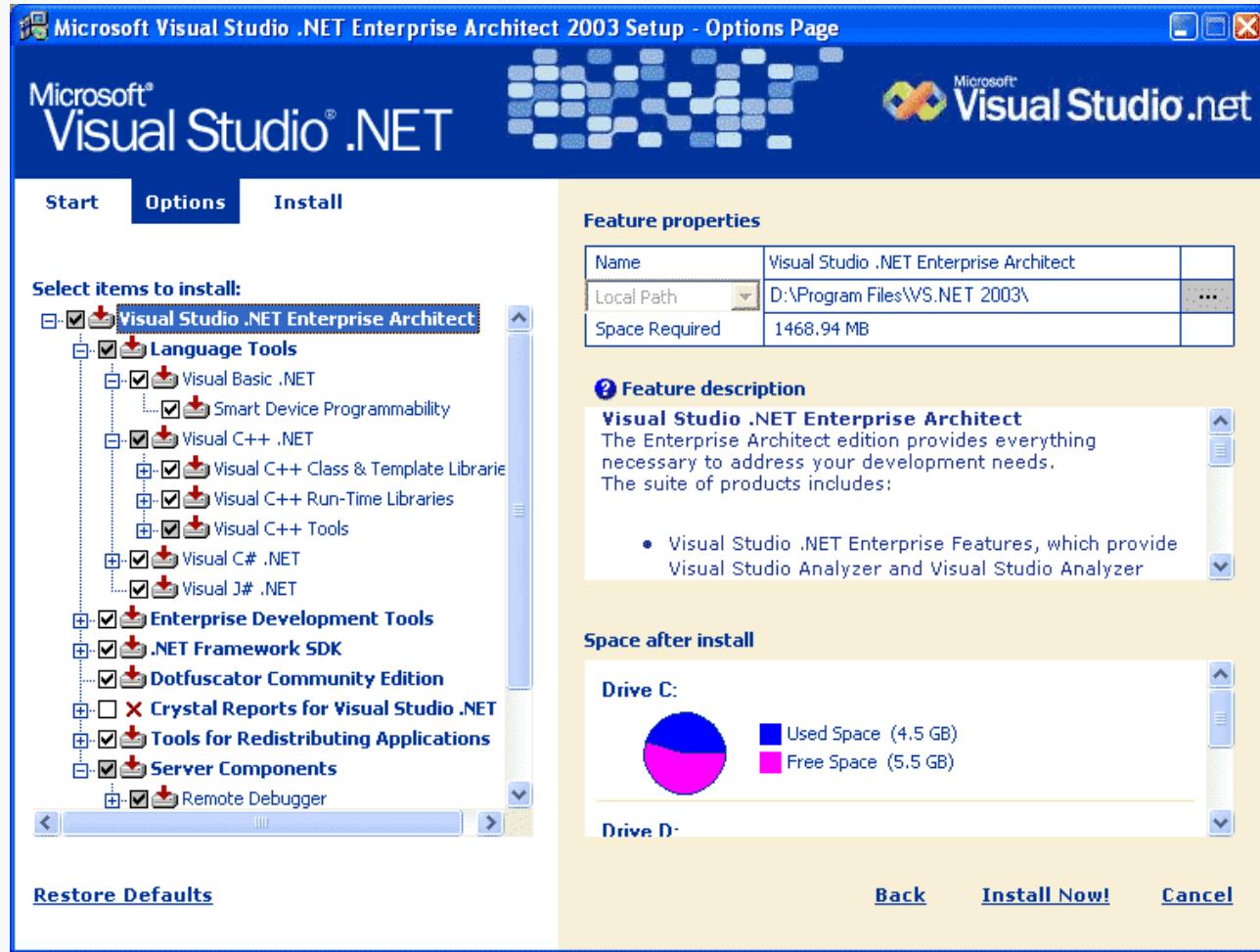
Visual Studio 6



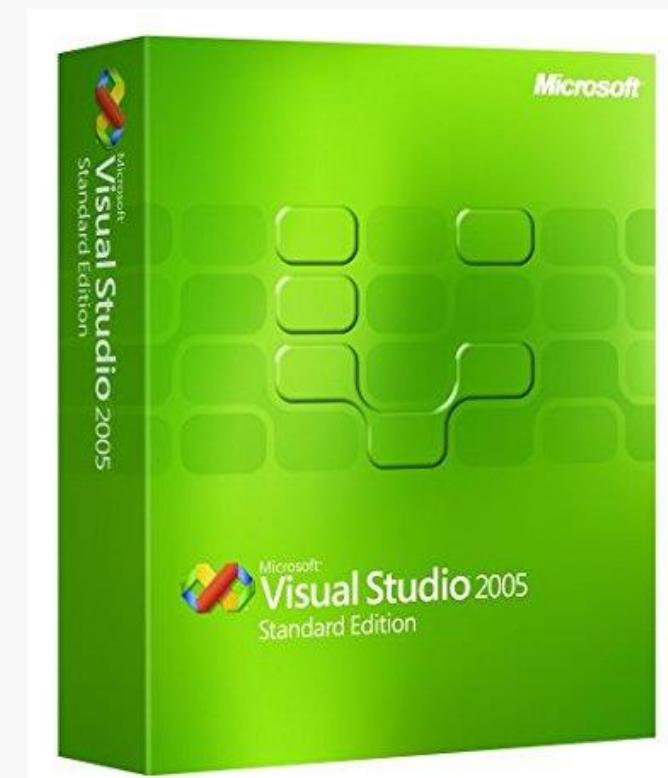
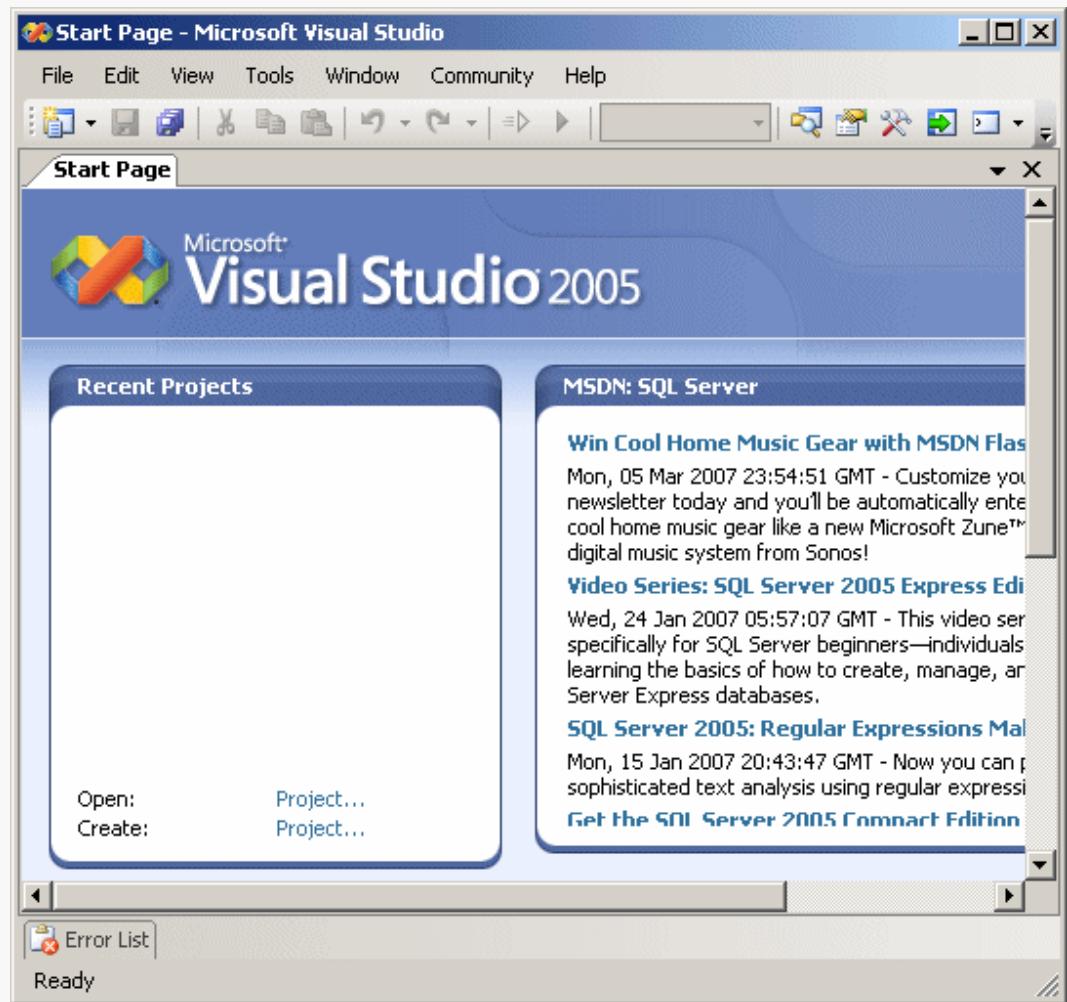
Visual Studio .NET (2002)



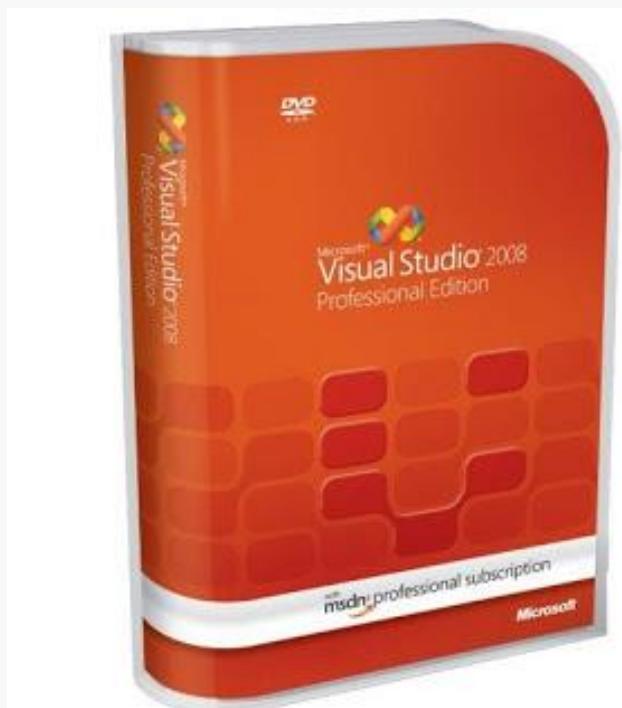
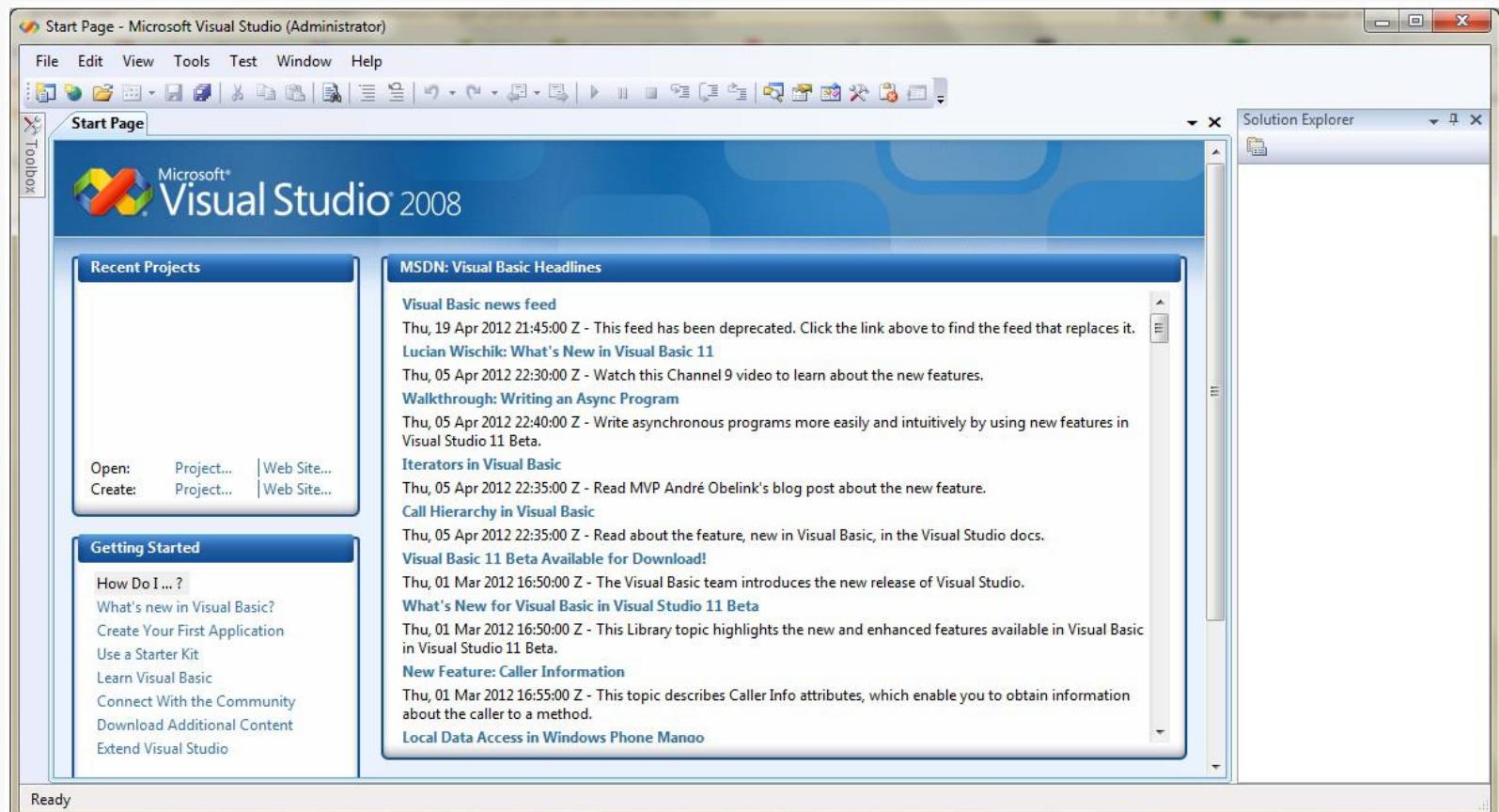
Visual Studio .NET 2003



Visual Studio 2005



Visual Studio 2008



Visual Studio 2010



Kigg - Microsoft Visual Studio

File Edit View Refactor Project Build Debug Team Data Tools Architecture Test Analyze Window Help

Debug MainPage Publish: Create Publish Settings

StoryController.cs CategoryController.cs

Kigg.Web.StoryController

```
using Repository;
using Service;

public class StoryController : BaseController
{
    private readonly ICategoryRepository _categoryRepository;
    private readonly ITagRepository _tagRepository;
    private readonly IStoryRepository _storyRepository;
    private readonly IStoryService _storyService;
    private readonly IContentService _contentService;
    private readonly ISocialServiceRedirector[] _socialServiceRedirectors;

    public StoryController(ICategoryRepository categoryRepository, ITagRepository tagRepository, IStoryRepository storyRepository)
    {
        Check.Argument.IsNotNull(categoryRepository, "categoryRepository");
        Check.Argument.IsNotNull(tagRepository, "tagRepository");
        Check.Argument.IsNotNull(storyRepository, "storyRepository");
        Check.Argument.IsNotNull(storyService, "storyService");
        Check.Argument.IsNotNull(contentService, "contentService");
        Check.Argument.IsNotNull(socialServiceRedirectors, "socialServiceRedirectors");

        _categoryRepository = categoryRepository;
        _tagRepository = tagRepository;
        _storyRepository = storyRepository;
        _storyService = storyService;
        _contentService = contentService;

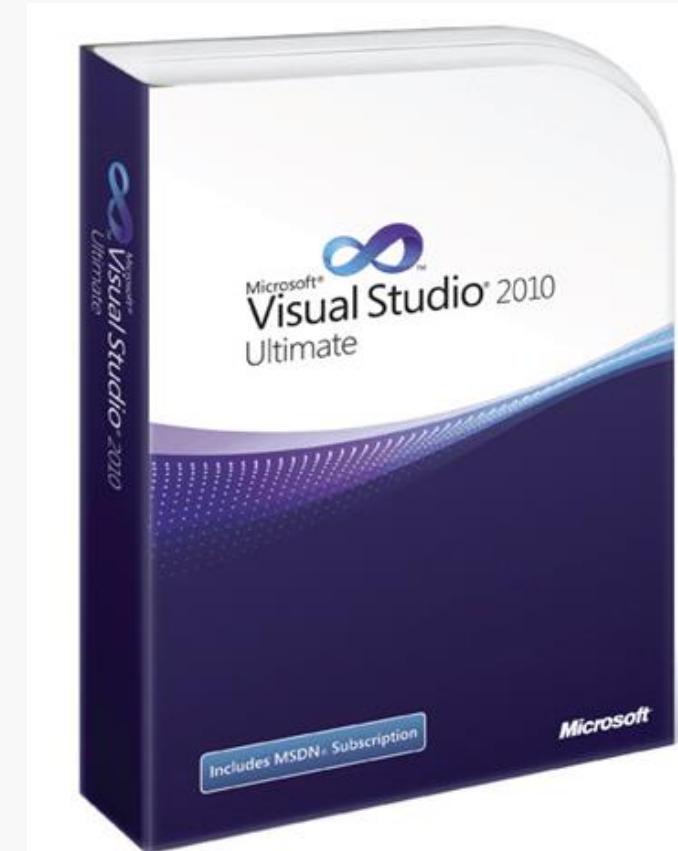
        _socialServiceRedirectors = socialServiceRedirectors;
    }

    public reCAPTCHAValidator CaptchaValidator
    {
        get;
        set;
    }

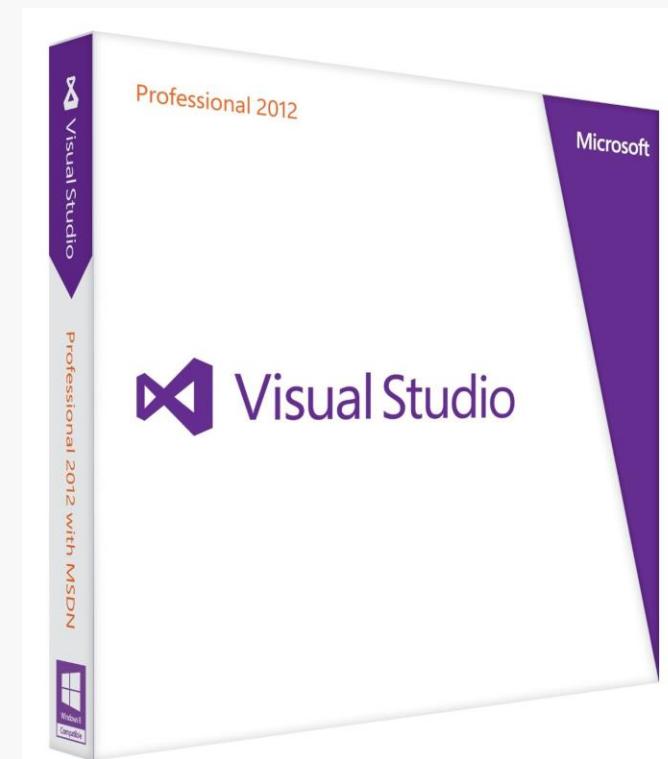
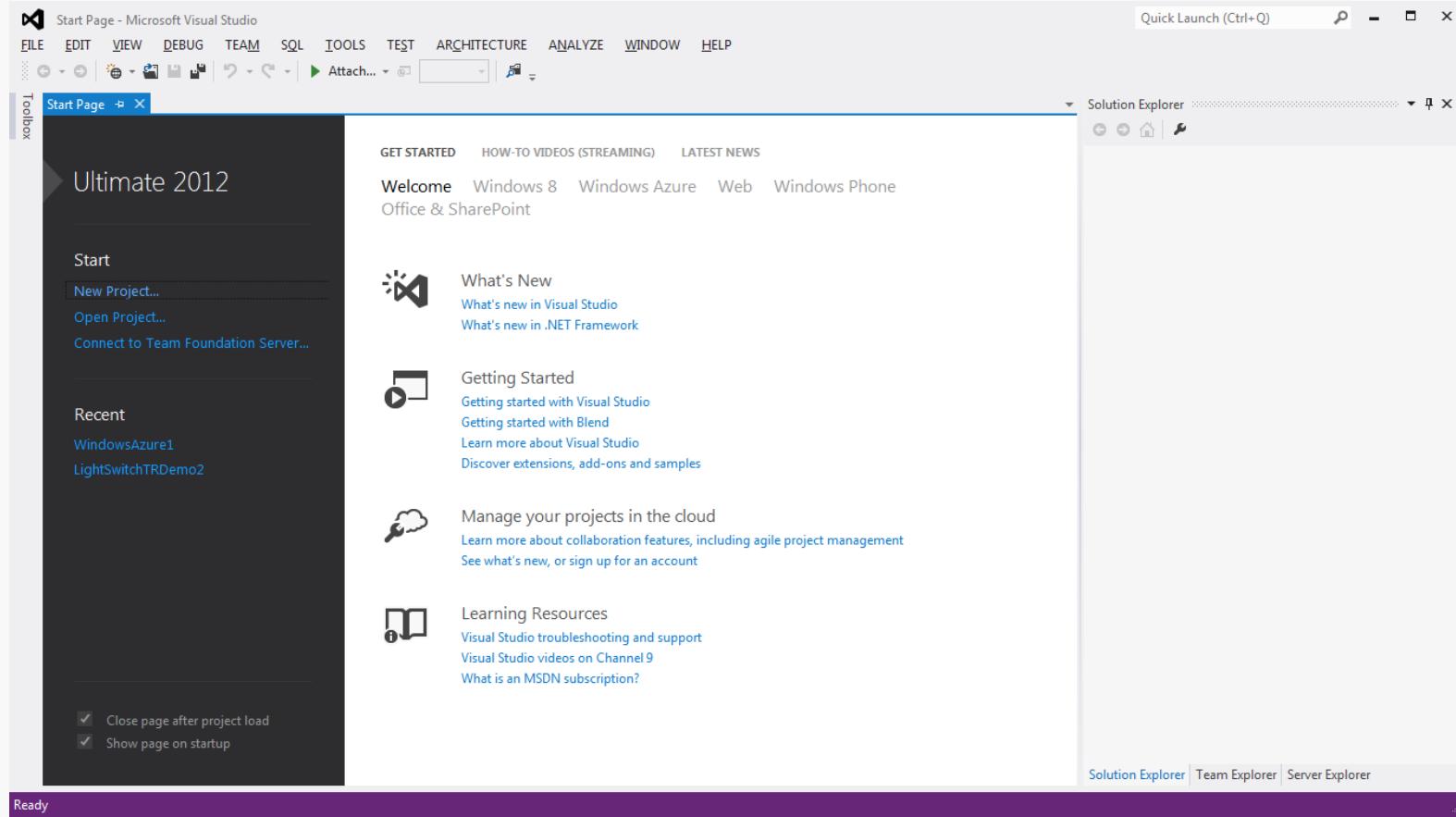
    public DefaultColors CounterColors
    {
        get;
        set;
    }
}
```

Solution Explorer

- Repository
 - CommonAssemblyInfo.cs
 - Database.dbml
 - GlobalSuppressions.cs
- Kigg.Infrastructure.LinqToSql.Test
 - Properties
 - References
 - DomainObjects
 - Repository
 - TestHelper
- Kigg.Test.Infrastructure
 - Properties
 - References
 - BaseFixture.cs
- Kigg.Web
 - Properties
 - References
 - ActionResult
 - App_Data
 - Assets
 - BootstrapperTasks
 - Controllers
 - BaseController.cs
 - CategoryController.cs
 - CommentController.cs
 - ControllerFactory.cs
 - FeedController.cs
 - MembershipController.cs
 - StoryController.cs
 - SupportController.cs
 - TagController.cs
 - Controls
 - DataServices
 - ErrorPages
 - Extension
 - Filters
 - Handlers
 - Helpers



Visual Studio 2012



Visual Studio 2013



FabrikamFiber.CallCenter - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Internet Explorer Debug

CustomersController.cs Source Control Explorer

FabrikamFiber.Web.Controllers.CustomersController

Create(Customer customer)

```
        }

        0 references | Julia Ilyana | 1 change
public ActionResult Create()
{
    ID Changeset
    39 fixed bug in CustomersController
    38 updated controller redirect to be more specific
    34 added comment
    7 Branched from $/FabrikamFiber/Main
}

[HttpPost]
2 references | Brian Keller +2 | 4 changes
public ActionResult Create(Customer customer)
{
    //check model state
    if (ModelState.IsValid)
    {
        this.customerRepository.InsertOrUpdate(customer);
        this.customerRepository.Save();
        return RedirectToAction("Index");
    }

    return this.View();
}
```

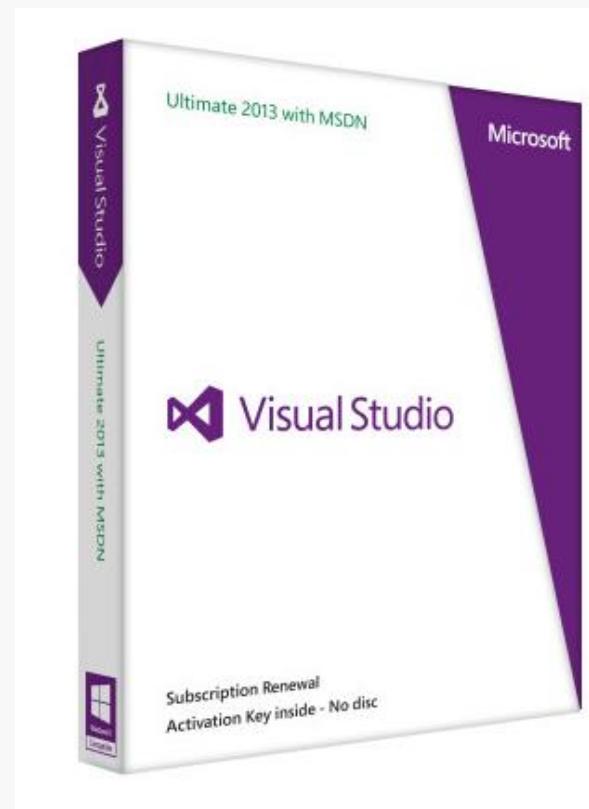
Toolbox Test Explorer

Solution Explorer Team Explorer

125 % Output

Ready

Ln 33 Col 13 Ch 13 INS



Visual Studio 2015



A screenshot of the Microsoft Visual Studio 2015 interface. The window title is "ConsoleApp1 - Microsoft Visual Studio". The menu bar includes File, Edit, View, Project, Build, Debug, Team, Tools, Architecture, Test, Analyze, Window, and Help. The toolbar has icons for New, Open, Save, Print, and various project management tools.

The Server Explorer pane shows Azure subscriptions, Web Apps, and other cloud services. A context menu is open over a service named "PhuffyShufflyImageProcessor", with options like "Attach Debugger", "View Dashboard", and "Stop".

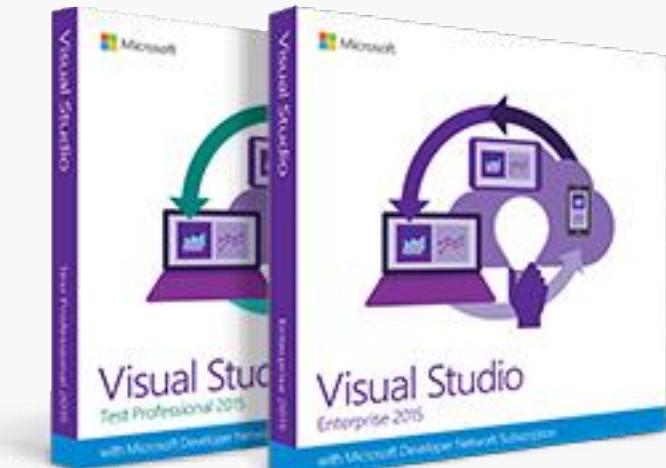
The Solution Explorer pane shows the solution structure: "ConsoleApp1.DNX 4.5.1" containing "ConsoleApp1.Program.cs" and "Main(string[] args)". The "src" folder contains "ConsoleApp1" which includes "Properties", "References", "Dependencies", "Program.cs", and "project.json".

The Code Editor pane displays the "Program.cs" file:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;

namespace ConsoleApp1
{
    public class Program
    {
        public static void Main(string[] args)
        {
        }
    }
}
```

The bottom navigation bar includes tabs for Server Explorer, Toolbox, and various activity lists. The status bar at the bottom left says "Ready".



Visual Studio 2017



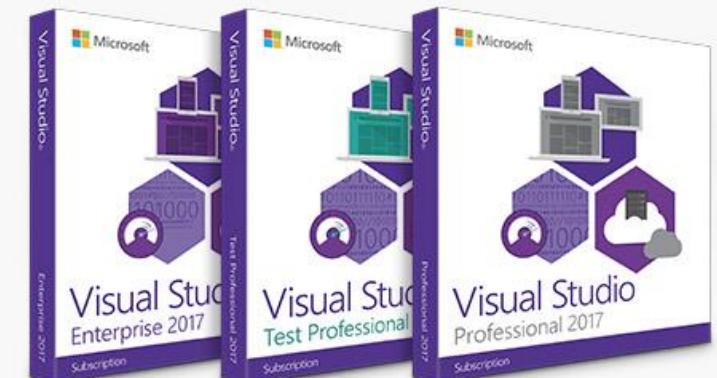
A screenshot of the Microsoft Visual Studio 2017 interface. The main window shows the code editor with Trainer.cs open. The code defines a Trainer class with a private list of WorkOuts and a public Goal property. Below the code, the Test Explorer shows three test results: "TestTweetifyNoNotes" failed, while "AddingWorkoutAddsMilesTravelled" and "TestGetAllIntensitiesNone" passed. The Solution Explorer on the right lists the project files: Trainer, Extensions.cs, Intensity.cs, packages.config, Trainer.cs, TrainerTests, and TrainerTests.cs.

```
public class Trainer
{
    private List<WorkOut> _workOuts;
    public int Goal { get; set; }
}

public Trainer()
{
}

public void RegisterWorkout(int miles, TimeSpan duration, string notes)
{
}

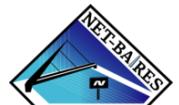
public bool HasMetGoal()
{
    if (MilesTravelled == Goal) ...
    return false;
}
```



Introducción a Visual Studio 2017

Pablo Di Loreto
@PabloDiLoreto

Guillermo Bellmann
@gjbellmann



SOUTHWORKS



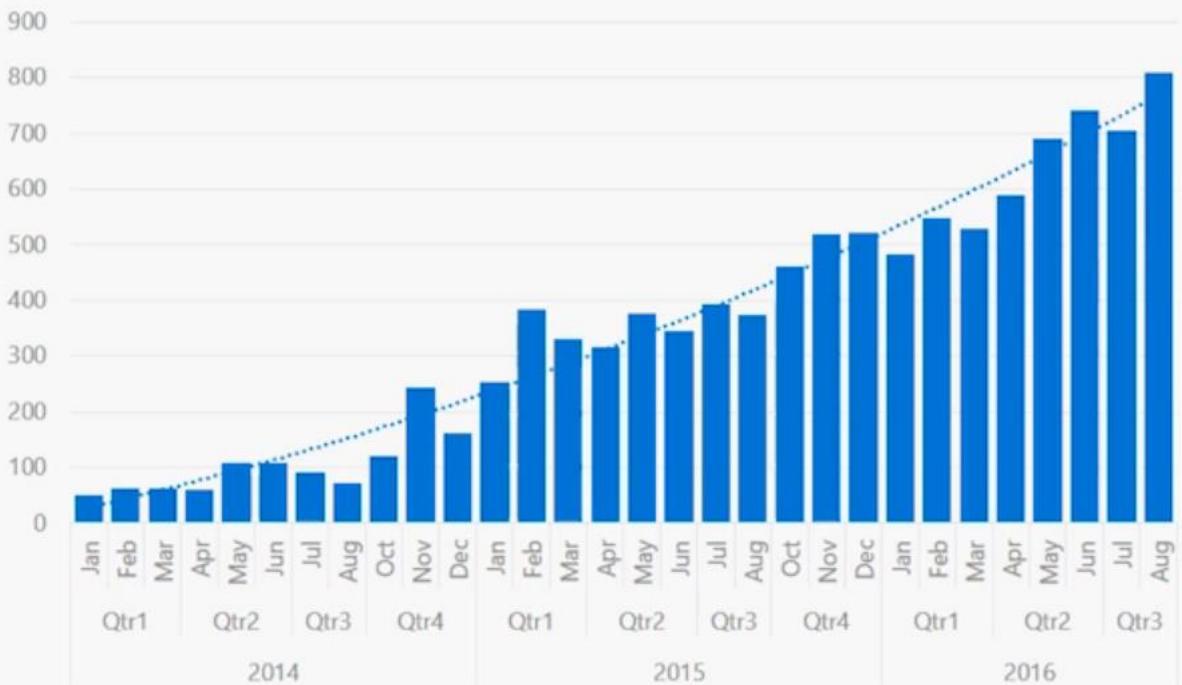
61%

YoY Growth .NET Active Developers
(VS 2012+)

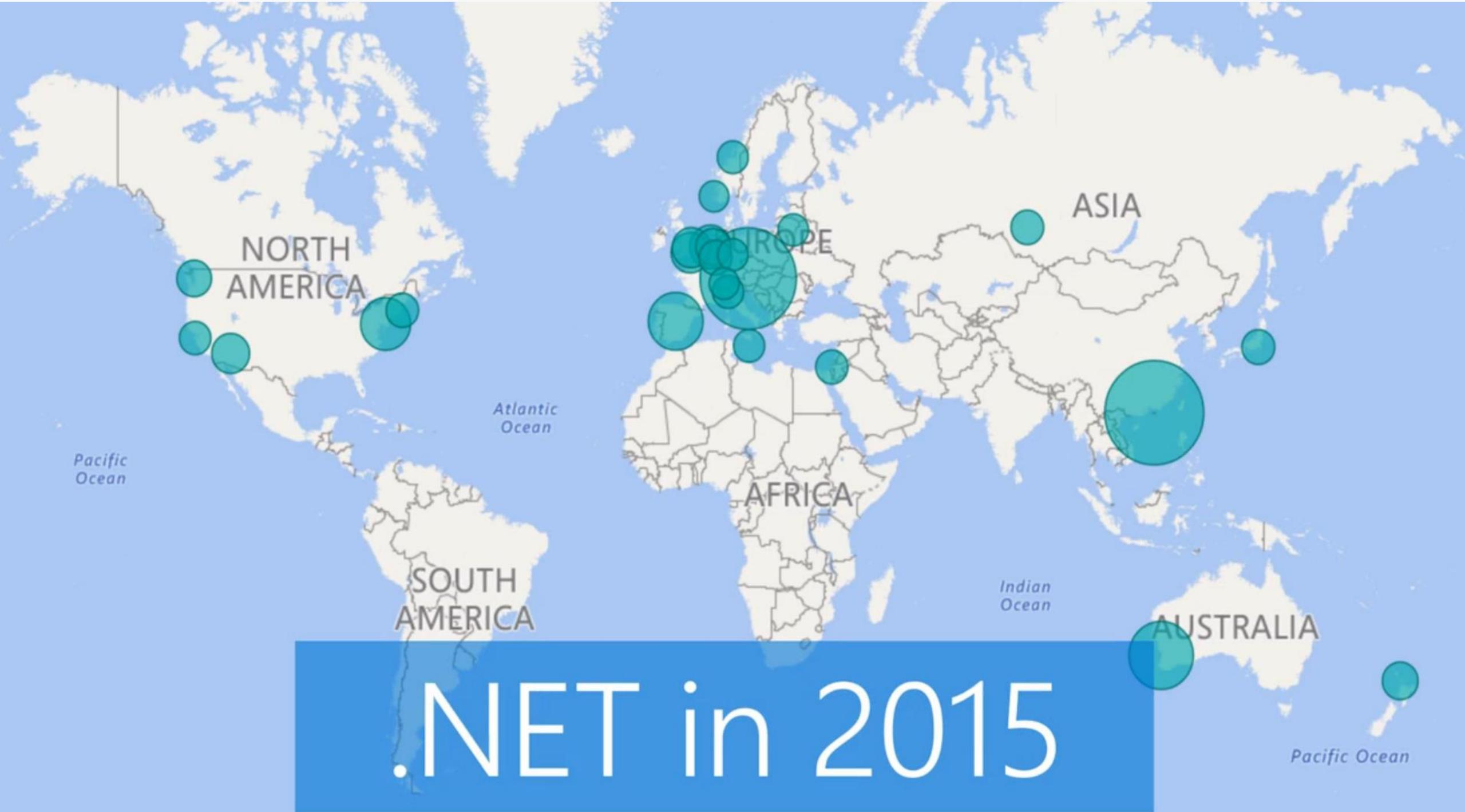
40%

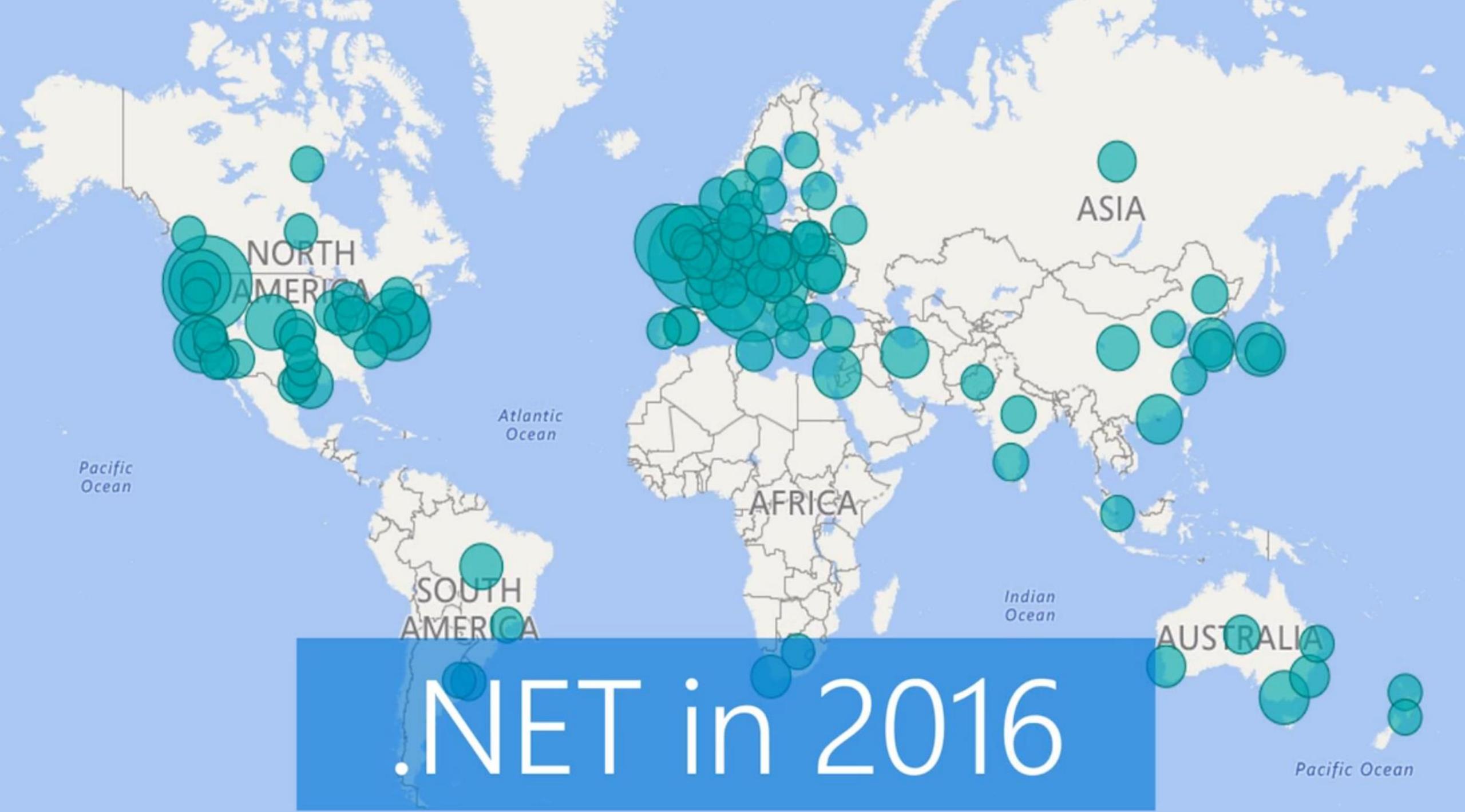
.NET Core downloads by new developers

Community PRs by month



62% GitHub contributions from outside of Microsoft
(corefx / coreclr repos)







Best-in-class tools
for every developer

La familia de  Visual Studio

Visual Studio

Visual Studio for Mac

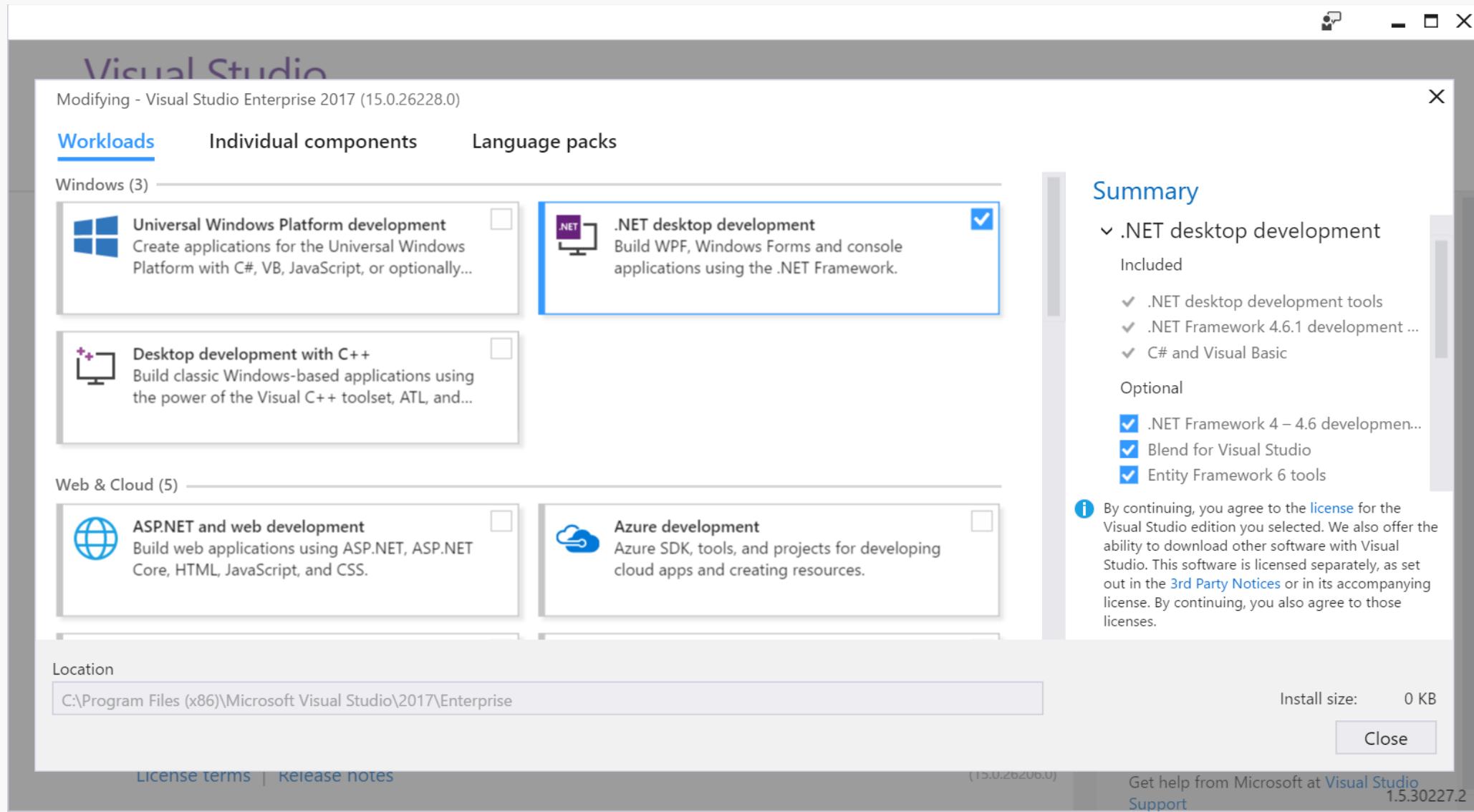
Visual Studio Code

Visual Studio Mobile Center

Visual Studio Team Services

Microsoft Azure

Nueva Experiencia de Instalación



Nueva Página de Inicio

Start Page

Get Started

Learn about new features in Enterprise 2017
 See what's new in the .NET Framework
 Explore what's new in Visual Studio Team Services

Recent

Today

- Roslyn.sln**
C:\Users\msspeaker\Source\Repos\roslyn\Roslyn.sln

Yesterday

- CPlusPlus Samples**
C:\Users\msspeaker\Source\Repos\CPlusPlus Samples
- ProjectArchive.Git**
C:\Users\msspeaker\Source\Repos\ProjectArchive.Git

Open

Get code from a remote version control system or open something on your local drive.

Checkout from:

- Visual Studio Team Services
- Open Project / Solution
- Open Folder
- Open Website

New project

Search project templates

Recent project templates:

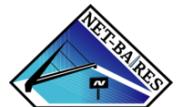
- Console App (.NET Framework) C#
- Empty Project C++

[More project templates...](#)

Developer News

Novedades en Performance y Productividad

Fernando Sonego
@FernandoSonego



SOUTHWORKS



Introduction

00.0

Visual Studio 2015

Visual Studio 2017

00.0

Productivity Improvements

Improved debugging

Live code analysis

Better navigation

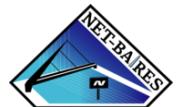
Smarter IntelliSense

Live Unit Testing

Demo

Novedades en Languages y Frameworks

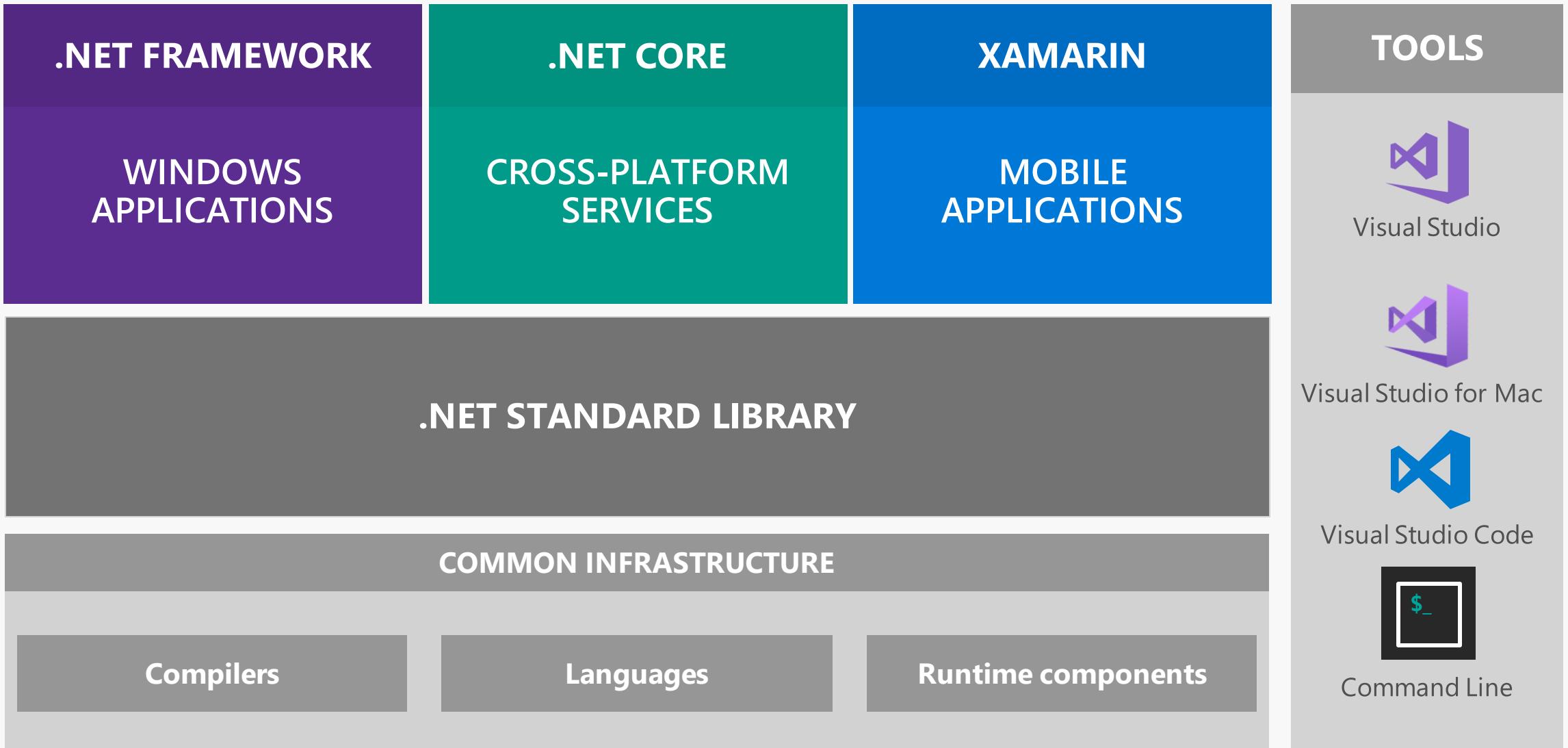
Guillermo Bellmann
@gjbellmann



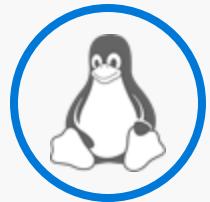
SOUTHWORKS



.NET – A unified platform



.NET Core is optimized for “cloud-native” apps



Cross-platform



Lightweight



Fast



Open source

Announcing
.NET Core Tooling
1.0

Visual Studio 2017
.NET Core CLI

www.dot.net/core

APIs in .NET Standard 2.0

XML

XLinq • XML Document • XPath • Schema • XSL

SERIALIZATION

BinaryFormatter • Data Contract • XML

NETWORKING

Sockets • Http • Mail • WebSockets

IO

Files • Compression • MMF

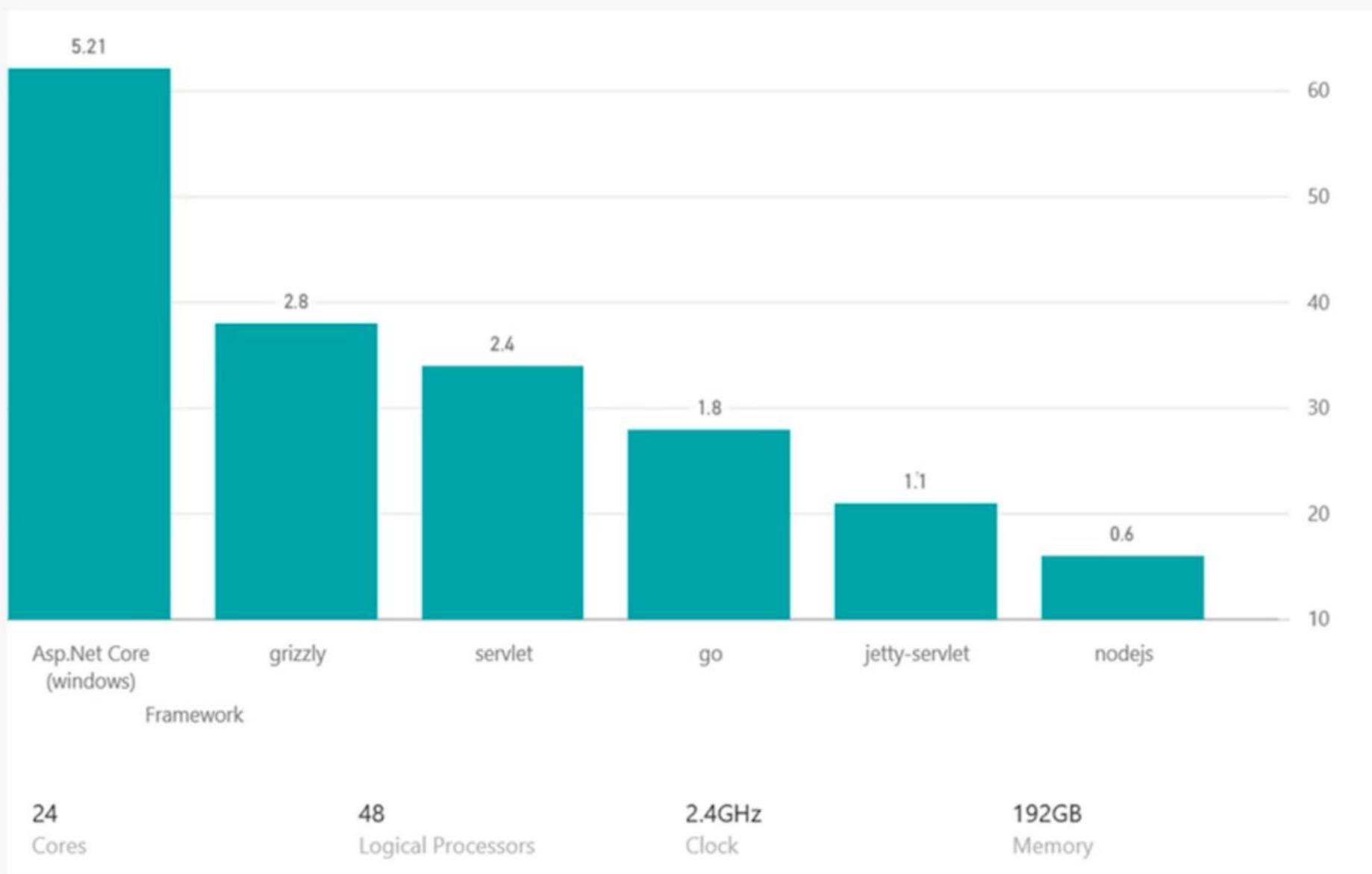
THREADING

Threads • Thread Pool • Tasks

CORE

Primitives • Collections • Reflection • Interop • Linq

Plain Text Request Per Second



Fast C++ Project Load

| Chromium - 4600 Solution Items | Time (s) | Private Working Set (MB) | Virtual Memory (MB) |
|--|----------|--------------------------|---------------------|
| VS 2015 Update 3 – First Sln Open | 1213 | 2293 | 3066 |
| VS 2017 – First Sln Open | 182 | 804 | 1302 |
| VS 2015 Update 3 – Subsequent Sln Open | 1211 | 2289 | 3061 |
| VS 2017 – Subsequent Sln Open | 68 | 710 | 1298 |

Load project information once and store in a fast database and optimized to reduce memory consumption and improve load speed.

Visual C++ Productivity

IntelliSense

Predictive IntelliSense & IntelliSense Filtering

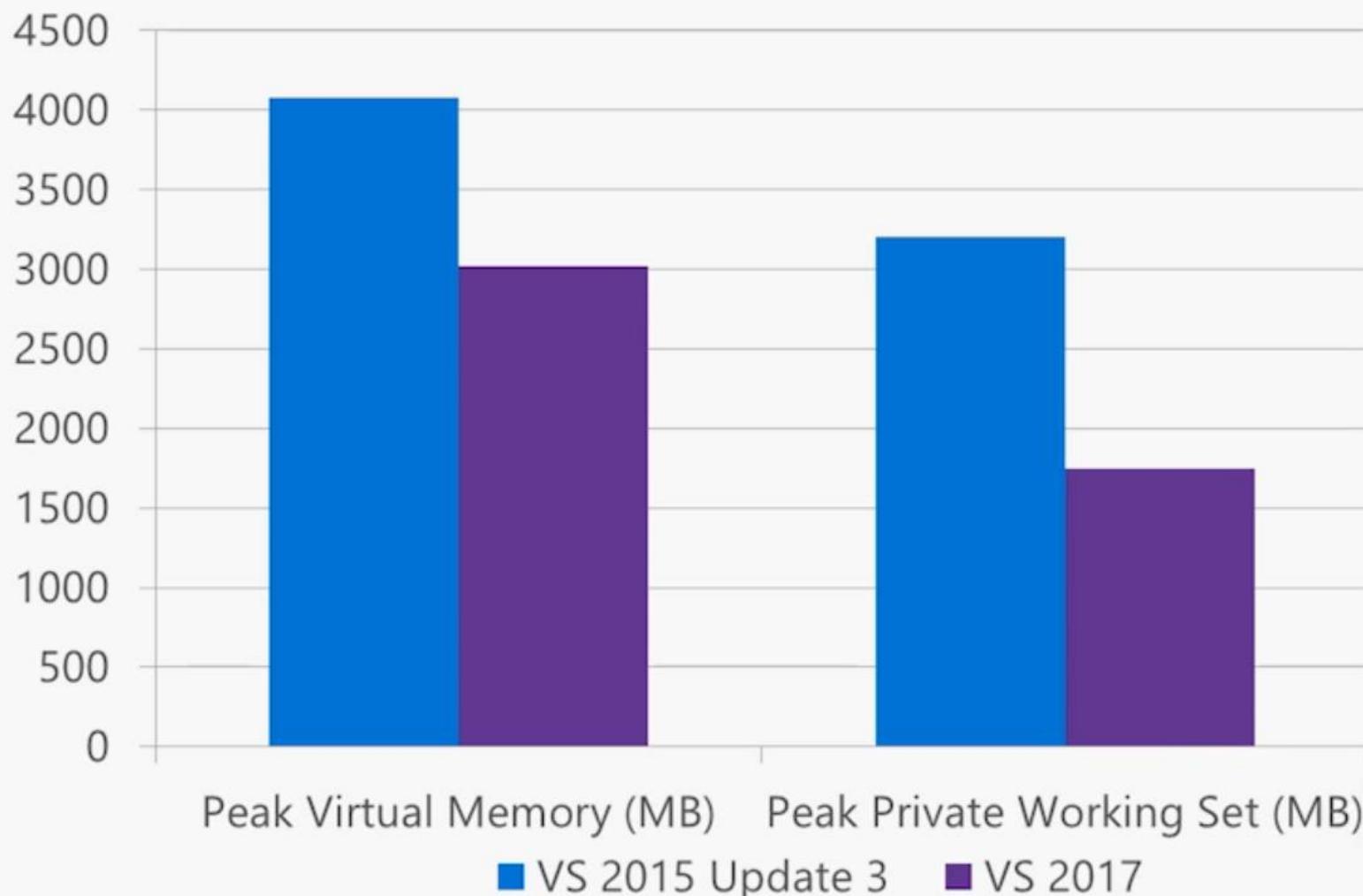
Find All References

Grouping, sorting, filtering & more details

Go To (previously Navigate To)

Filtering and scoping results

Debugger Memory Reductions

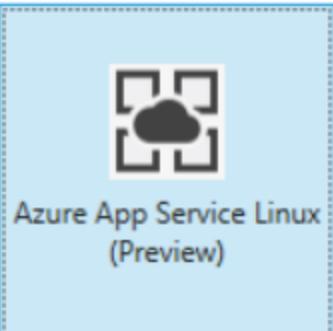


New screen to publish

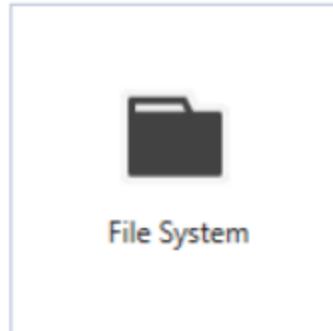
Pick a publish target

What publishing targets can you deploy your app to?

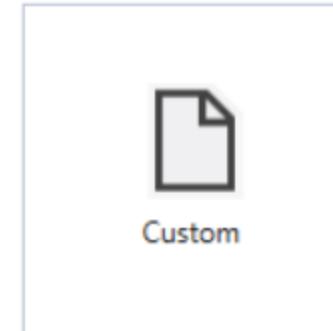
Targets



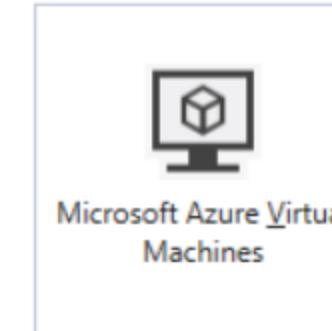
Azure App Service Linux
(Preview)



File System



Custom



Microsoft Azure Virtual
Machines

OK Cancel

Install New npm Packages

Install New npm Packages

git

git 0.1.5 Christian Amor Kvalheim
A node.js library for git

gitf 0.0.1 Bruno Santos
git flow tool

gitj 0.0.6 Christopher Jeffrey
gitk in your terminal

gito 0.1.0 Bent Cardan
git shortcuts

gitb 0.0.2 Does git checkout -b abranch

Catalog Updated Today at 3:32 PM Refresh

npm install Output: Ready

git 0.1.5

(This package has no keywords.)

Author: Christian Amor Kvalheim

Description: A node.js library for git

Options

Dependency type: Standard

Add to package.json: (recommended)

Selected version: (latest)

Other npm arguments:

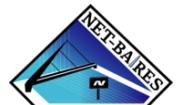
Install Package Reset Options

Close

Demo

Novedades para Azure

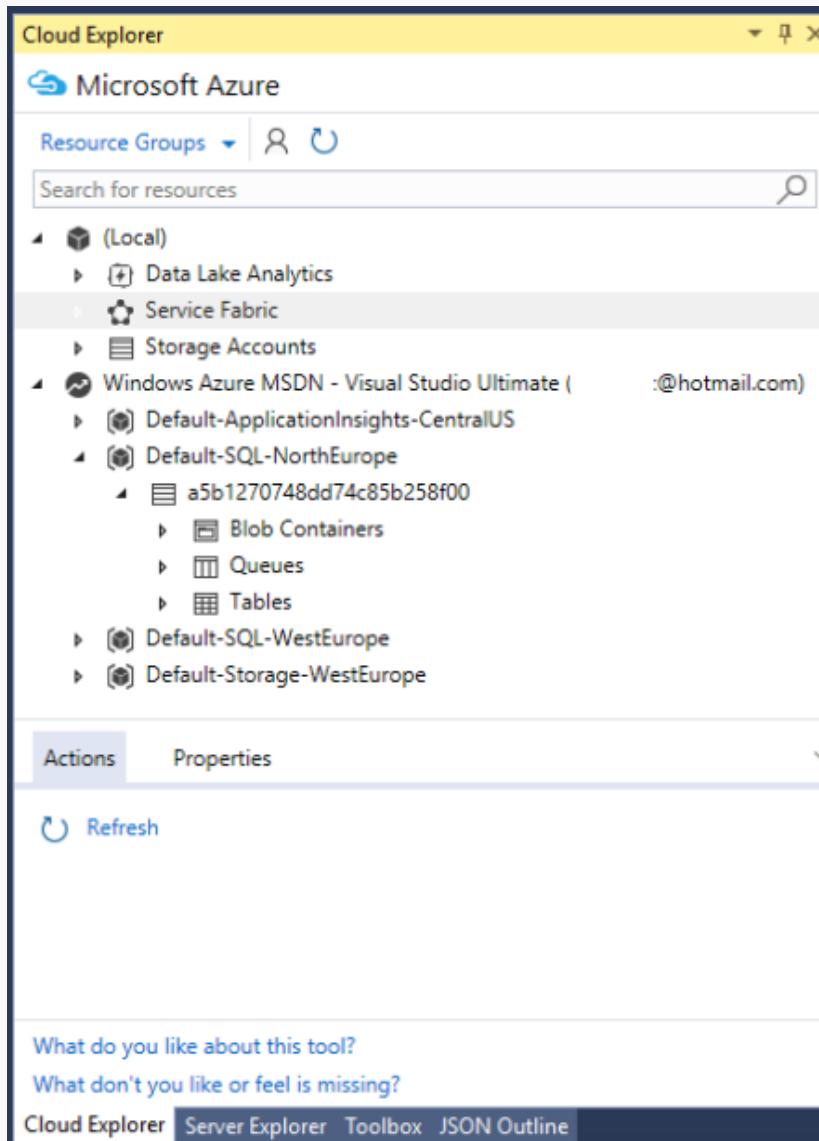
Guillermo Bellmann
@gjbellmann



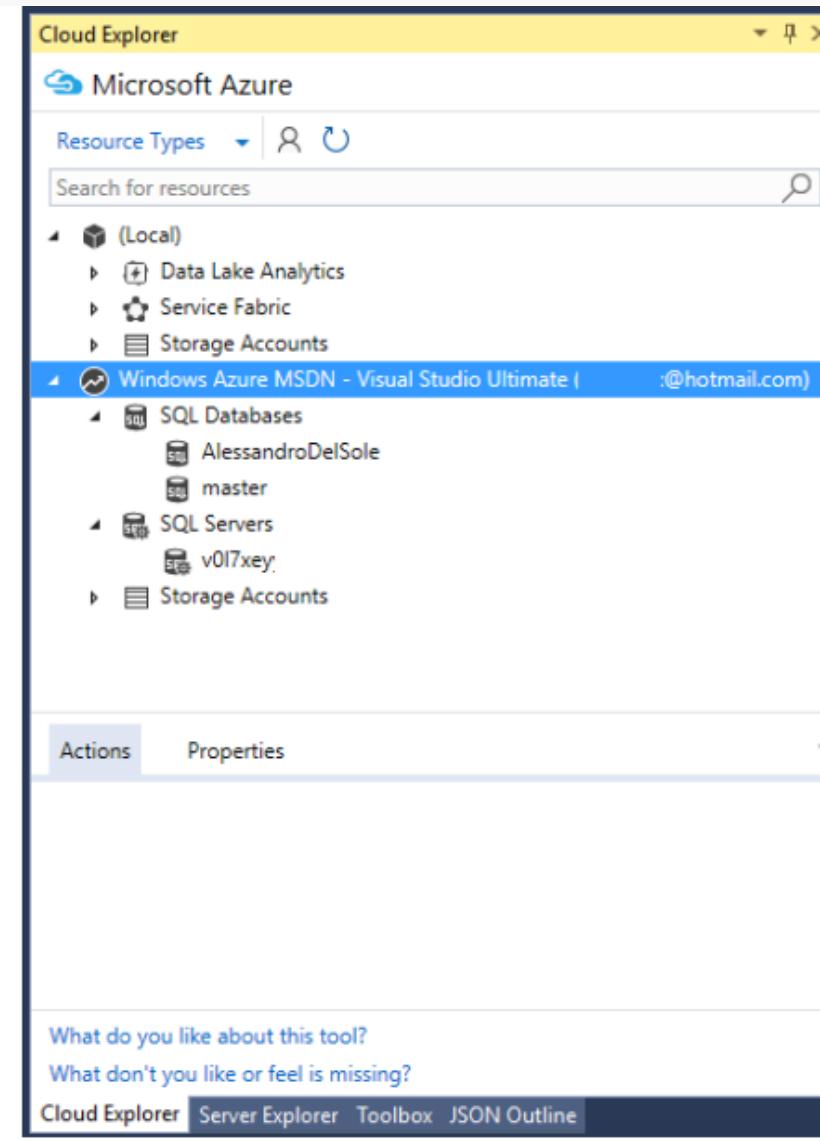
SOUTHWORKS



Resource Groups View in Cloud Explorer



Resource Types View in Cloud Explorer



Cloud
development
optimized

Visual Studio

+

.NET

+

Azure

Microsoft Azure

Platform Services

Web + Mobile

Internet of Things

Microservices

Data + Analytics

Identity Management

Media Streaming

High Performance Compute

Cognitive Services

Hybrid

Core Infrastructure

Compute Storage Networking Security

Choice + OSS + Flexibility with Azure

DEVOPS



APPLICATIONS



APP FRAMEWORKS



DATABASES & MIDDLEWARE

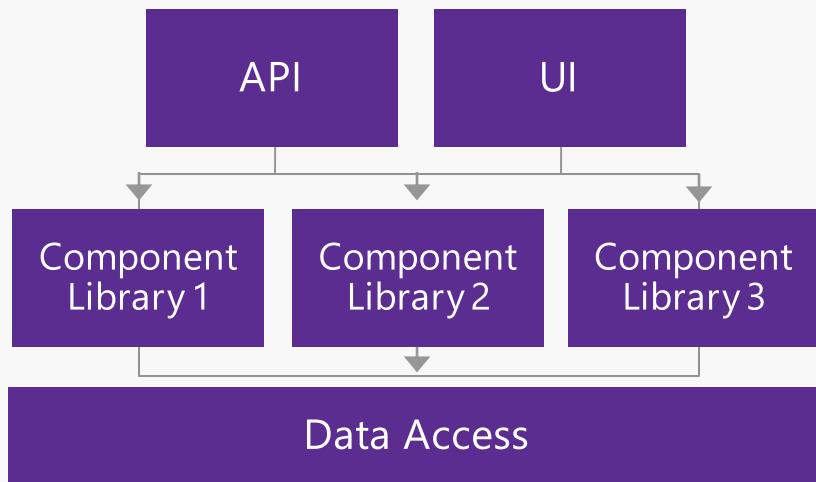


INFRASTRUCTURE



Why microservices?

Traditional approach

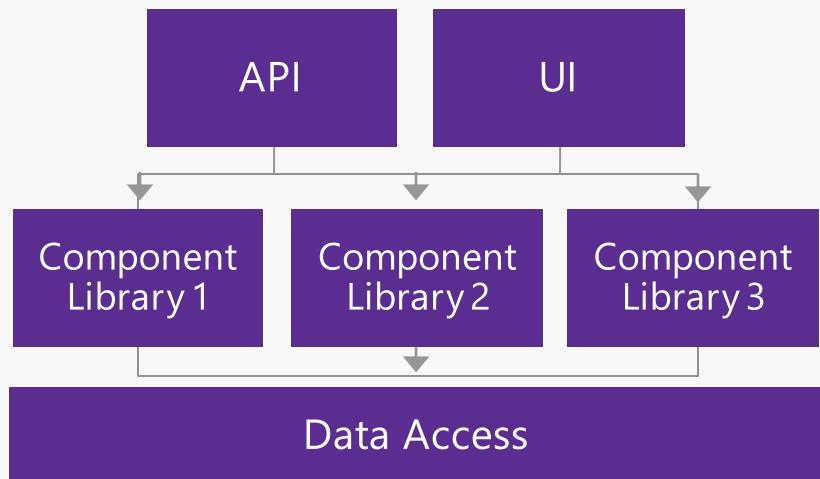


Microservices approach



Why microservices

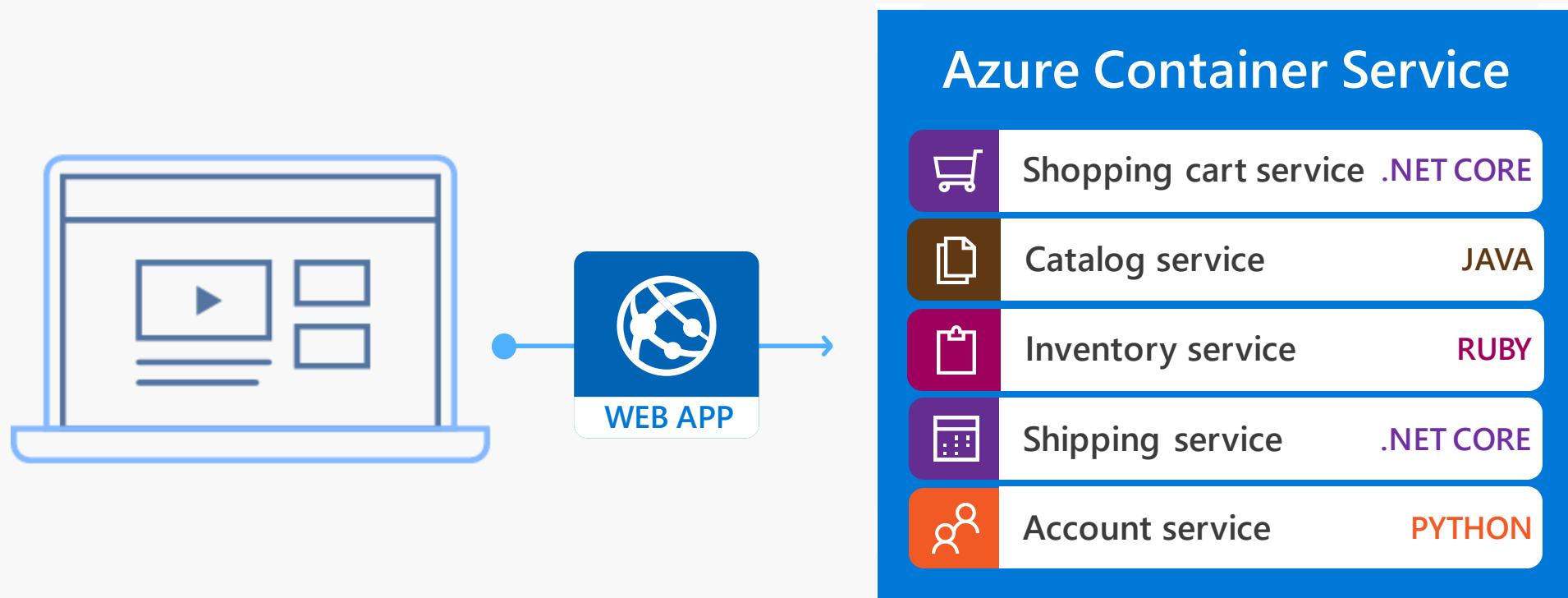
Traditional approach



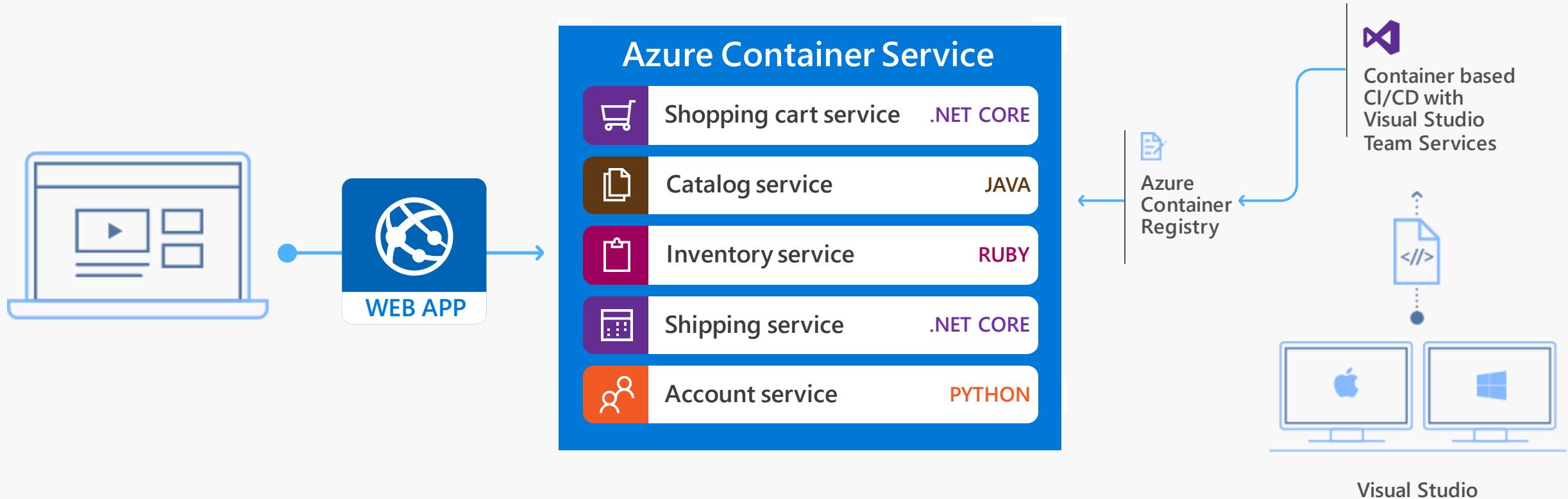
Microservices approach



Microservices + Containers



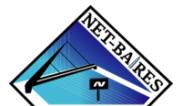
Continuous Integration with Containers



Demo

Novedades para DevOps

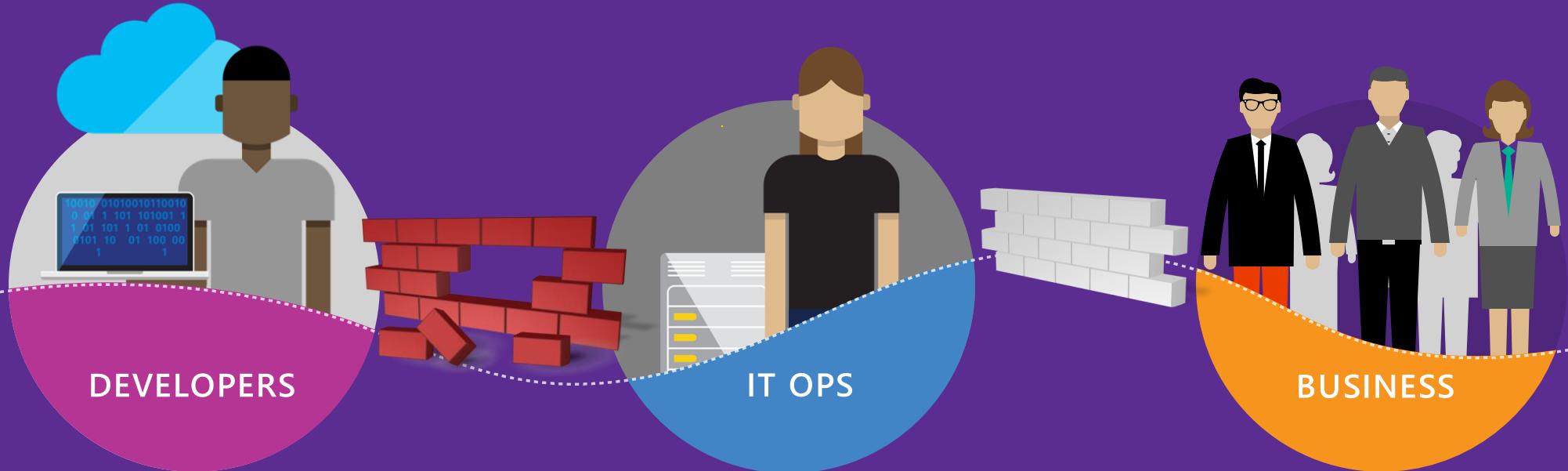
Germán Küber
@GermanKuber



SOUTHWORKS



Software delivery challenges



40% of implementations end up...



getting reworked because they don't meet the users' original requirements



The average hourly cost of infrastructure failure is

\$100k
per hour

It takes on average **200 minutes** to diagnose and repair a production issue

3/4 of teams...



have adopted **Agile methodologies**

Agility & DevOps

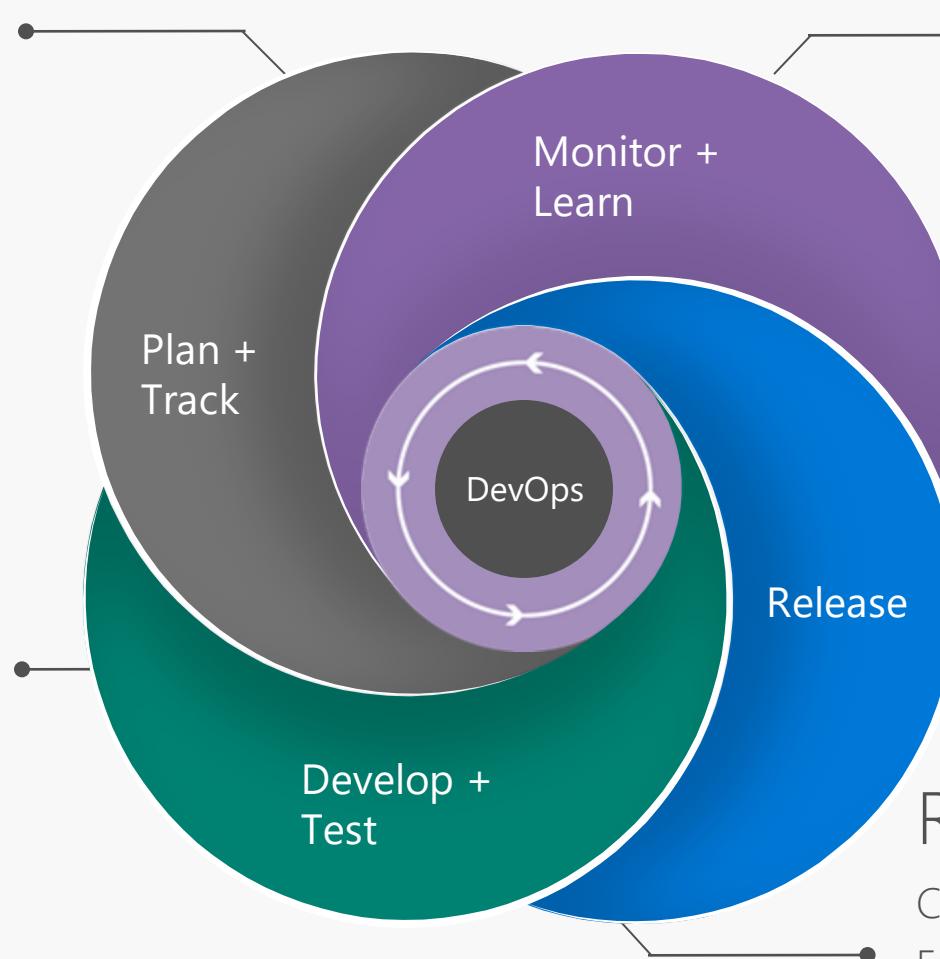


Agile Planning

Delivery plans
Dashboards
Kanban boards

Build and Test

Git source control
Continuous integration
Security scanning
Open source compliance
Cloud-based device testing



Monitor and Learn

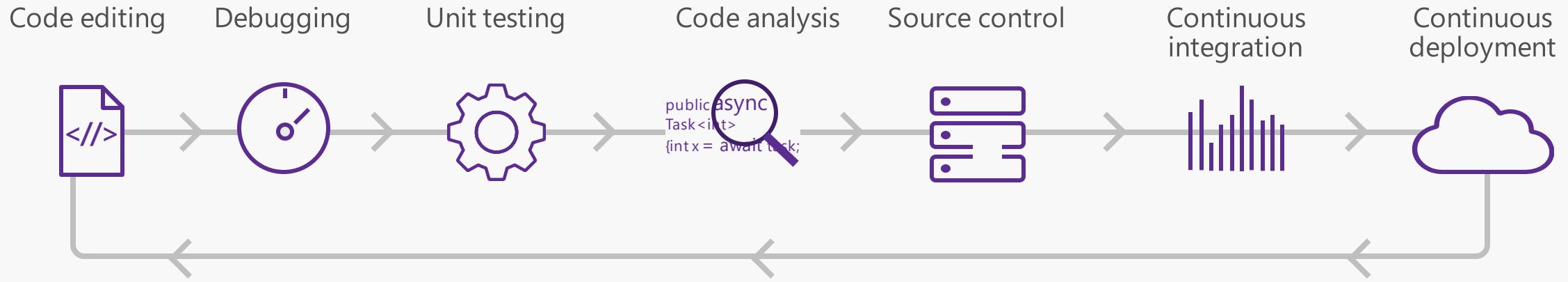
Application analytics
Logging & operations analytics
Mobile crash reporting

Release

Continuous delivery
Functional testing
Release management

Microsoft DevOps Solution

A traditional look at DevOps



Development flows left to right and repeats

We can do better

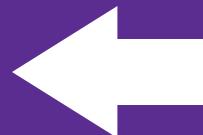
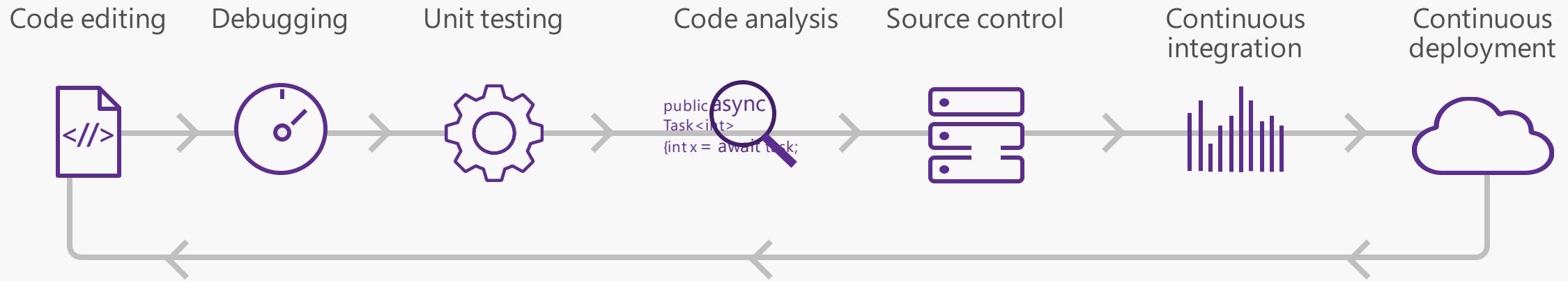
Tighten the cycle

Catch issues before check-in

Identify issues in production



“Shift left” and “shift right”

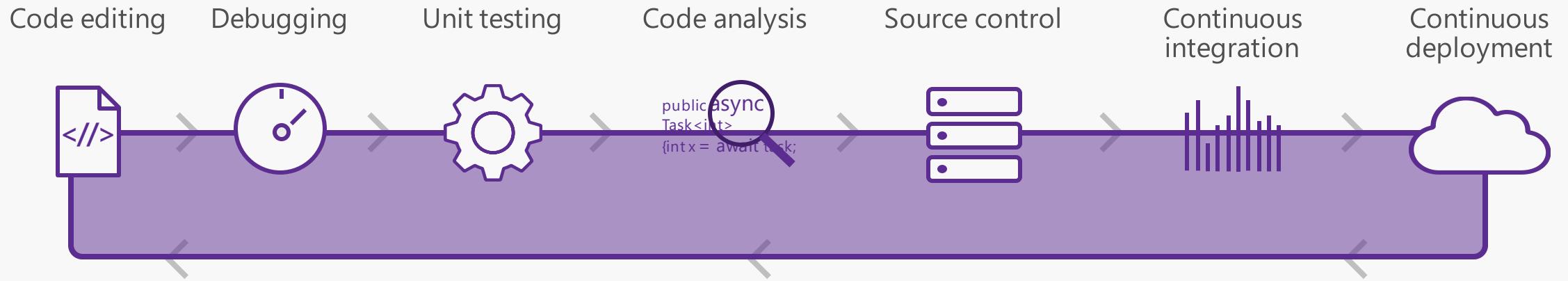


Continuous integration + real-time experiences = **shift left**

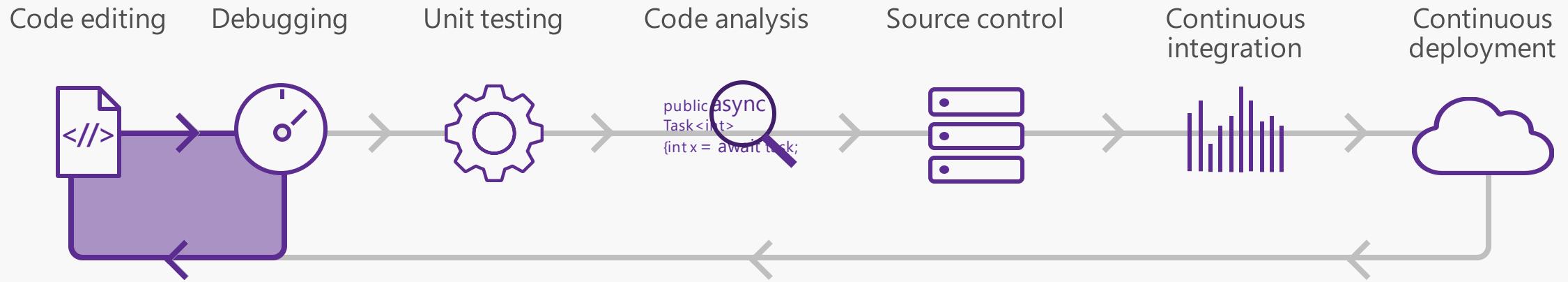
Continuous data mining + near real-time data = **shift right**



“Shift left”

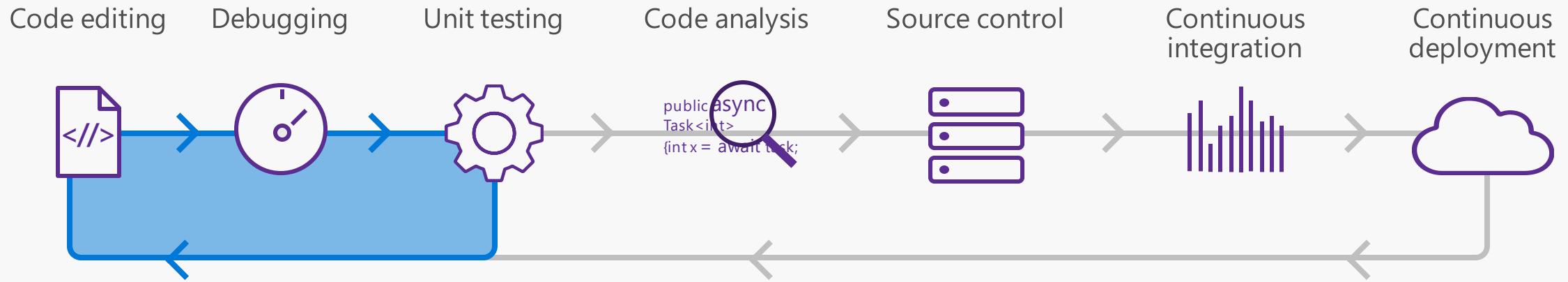


“Shift left”



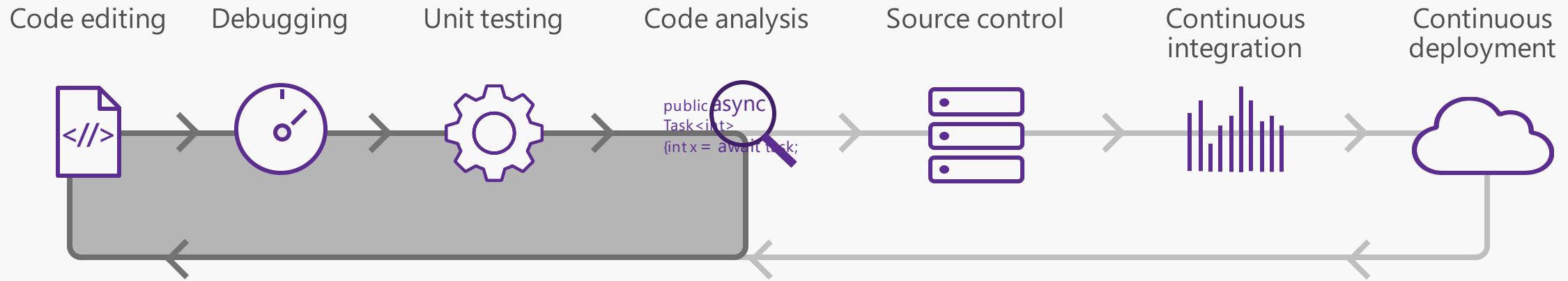
Edit and continue – pulled debugging into the edit/build cycle

“Shift left”



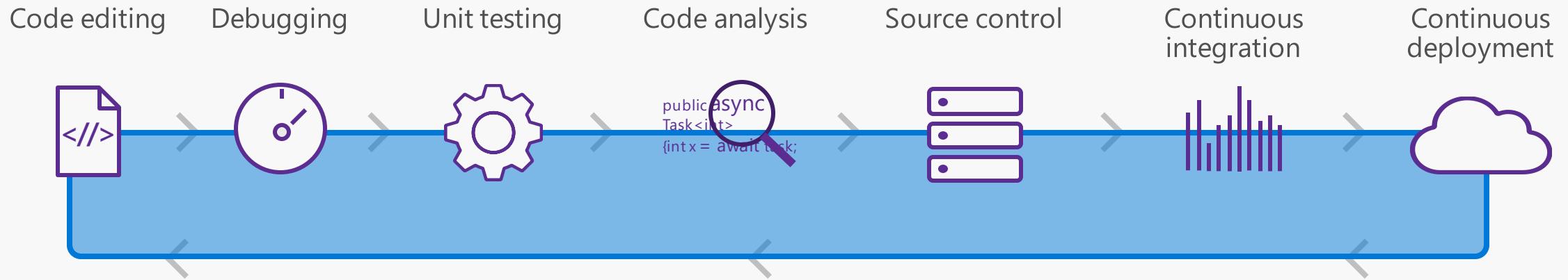
Live unit testing – pulls quality further into the inner loop

“Shift left”



Live code analysis – immediate feedback loop

“Shift left”



FLOW OF CUSTOMER VALUE

TEAM AUTONOMY & ALIGNMENT

BACKLOG IMPROVED BY LEARNING

EVIDENCE GATHERED IN PRODUCTION

MANAGED TECHNICAL DEBT

PRODUCTION FIRST MINDSET

INFRASTRUCTURE IS A FLEXIBLE RESOURCE

Recommended DevOps Practices

| | | | | | | |
|---|--|---|---|--|---|--|
| Shift Left Continuous Integration Continuous Testing Continuous Deployment | Self-Managing Teams Feature Crews Enterprise Agile | Continuous Learning Testing in Production Continuous Feedback | Experiments Usage Monitoring Telemetry Collection Testing in Production Continuous Feedback | Code Quality Analysis Peer Code Reviews Automated Testing Architecture Validation Continuous Testing | Continuous Testing Continuous Deployment App Performance Mgmt Infrastructure as Code Automated Recovery | Cloud Infrastructure Developer Sandbox Cloud Dev and Test Infrastructure as Code Automatic Scaling |
|---|--|---|---|--|---|--|

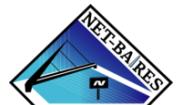
Visual Studio Features

| | | | | | | |
|---|---|--|--|---|--|--|
| Live Experiences <ul style="list-style-type: none">• Live Unit Testing• Live Dependency Validation Flexible Source Control Modern Code Workflows Cross-Platform Build Automated Testing Release Management Code Coverage Intellitest Fakes and Stubs Redgate ReadyRoll Redgate SQLPrompt | Agile Tools Enterprise Collaboration Dashboards & Charts | Test & Feedback Application Insights HockeyApp IntelliTrace in Production Performance Testing | Test & Feedback Application Insights HockeyApp IntelliTrace in Production Performance Testing | Modern Code Workflows <ul style="list-style-type: none">• Pull Requests Test & Feedback Automated Testing Live Experiences <ul style="list-style-type: none">• Live Unit Testing• Live Dependency Validation IntelliTest IntelliTrace Code Maps Visual Debugging Code Analysis Code Coverage Redgate ReadyRoll Redgate SQLPrompt | Automated Testing Test & Feedback Application Insights HockeyApp Release Management Performance Testing | Cloud Dev/Test Env. Azure Dev/Test Labs Azure VMs Azure App Service Performance Testing |
|---|---|--|--|---|--|--|

Demo

Getting Started para Juniors (y no tanto!)

Pablo Di Loreto
@PabloDiLoreto



SOUTHWORKS



¿Realmente conocemos **Todas las opciones y Servicios de Visual Studio?**

Visual Studio IDE

Visual Studio Community

Visual Studio Code

Xamarin Studio

Team Foundation Server

Visual Studio for Mac

Visual Studio Team Services

HockeyApp

Xamarin Test Cloud

Azure Application Insights

Visual Studio Mobile Center

Visual Studio Subscriptions

Visual Studio Dev Essentials

Visual Studio Test Professional

MSDN Platforms

Visual Studio Dev Essentials 1.4M miembros y contando...

Visual Studio | My Benefits

Benefits Downloads Product Keys Subscriptions Support Marketplace Renew or Upgrade

Showing: Visual Studio Dev Essentials

Welcome to your Visual Studio Dev Essentials



Featured (6)



Visual Studio Community
Full-featured, extensible IDE

Free for individuals, open source or small teams. Create apps for Windows, iOS,...

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Visual Studio Code
Modern lightweight editor

A powerful, streamlined code editor for your favorite platform - Linux, Mac OS X, an...

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Visual Studio for Mac
Preview

Build apps for the cloud, iOS, Android, macOS, and wearables

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Visual Studio Team Service
Basic level

Free Git repos, Agile planning tools and hosted builds, for any language – it's the perfect...

[Get started](#) ⓘ



Azure
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Your own personal sandbox for dev/test! VMs, cloud services, and more. Credit cannot be...

[Activate](#) ⓘ



Xamarin University Trainin
Free on-demand access

Build native iOS and Android apps in C# with expert getting-started videos (subset of class...

[Get Code](#) ⓘ

Tools (11)



Microsoft R Server
Developer Edition

Build Advanced Analytics solutions in R on Windows, Hadoop, Terradata and Linux.

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Microsoft SQL Server
Developer Edition

Build mission-critical data solutions with unparalleled security, mobile BI, and...

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Education (6)



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World-class training taught by an elite group of industry leaders.

[Get Code](#) ⓘ



Wintellect NOW
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On-demand training from the company that has trained thousands of Microsoft...

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Comprehensive coverage of Microsoft technologies for practical solutions to real-wor...

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Support (2)





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New value for Visual Studio Dev Essentials members

Opsgility: 3 meses de entrenamiento sobre Azure
y DevOps

[Aka.ms/devessentials](http://aka.ms/devessentials)

¿Cómo empezamos?
**¡Con las experiencias del
Getting Started de Microsoft!**

www.visualstudio.com/vs/getting-started/

¡Gran anuncio!

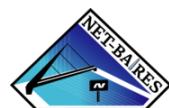
.NET Core microservices reference application

Explorá y probá la versión beta:

<http://aka.ms/MicroservicesArchitecture>

Novedades en Mobile

Nicolás Granata
@NicolasGranata



SOUTHWORKS



Desafíos del desarrollo Mobile

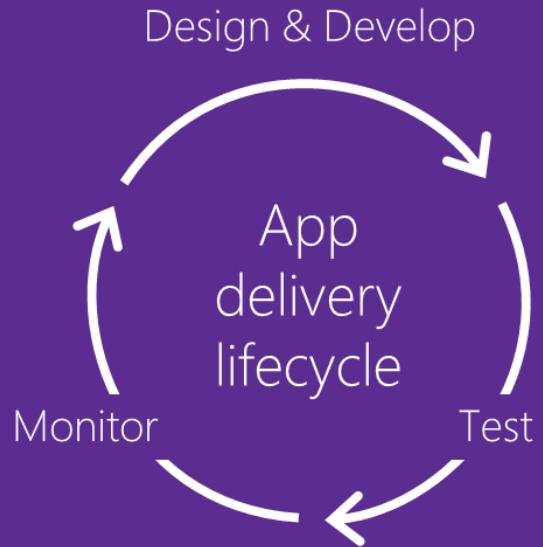
ESCALABILIDAD



100+ apps

Businesses need to rapidly build and deliver high-quality mobile apps

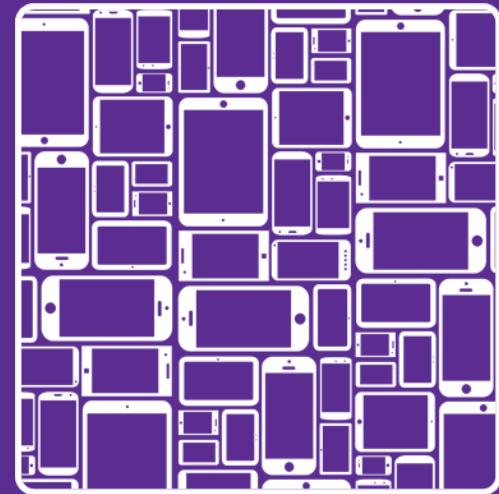
COMPLEJIDAD



App Delivery

The lifecycle to deliver 'just one' app involves many stages

FRAGMENTACIÓN



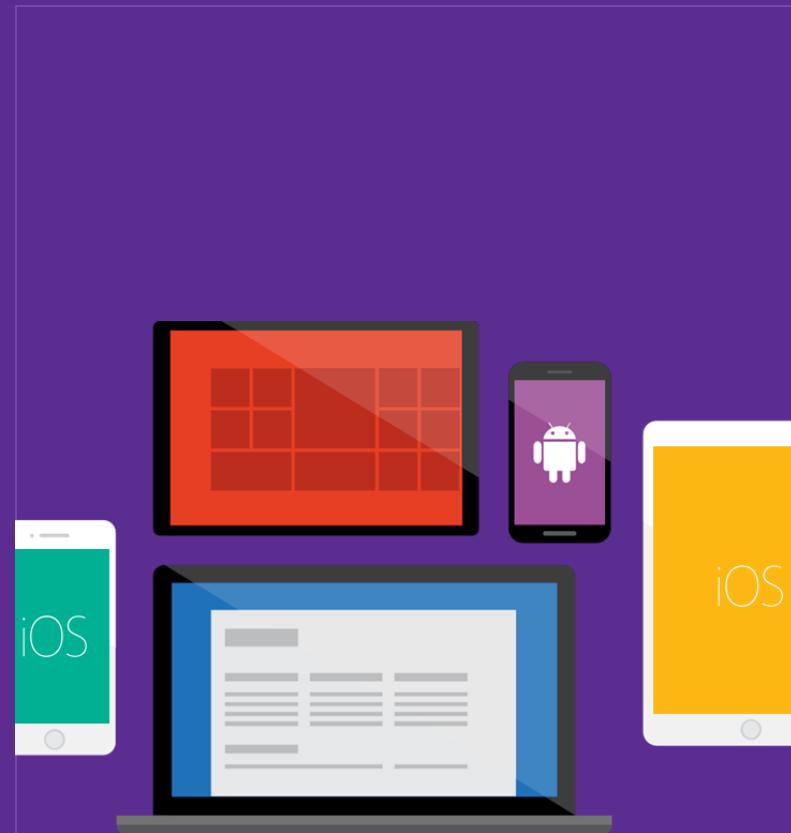
1000+ Devices

Mobile ecosystems are complex with many combinations of devices

Las Mobile Apps son complejas...



¿Cómo te ayudan Microsoft y VS2017?



Create rich, cross-platform
mobile experiences



Extend business data
and applications to mobile

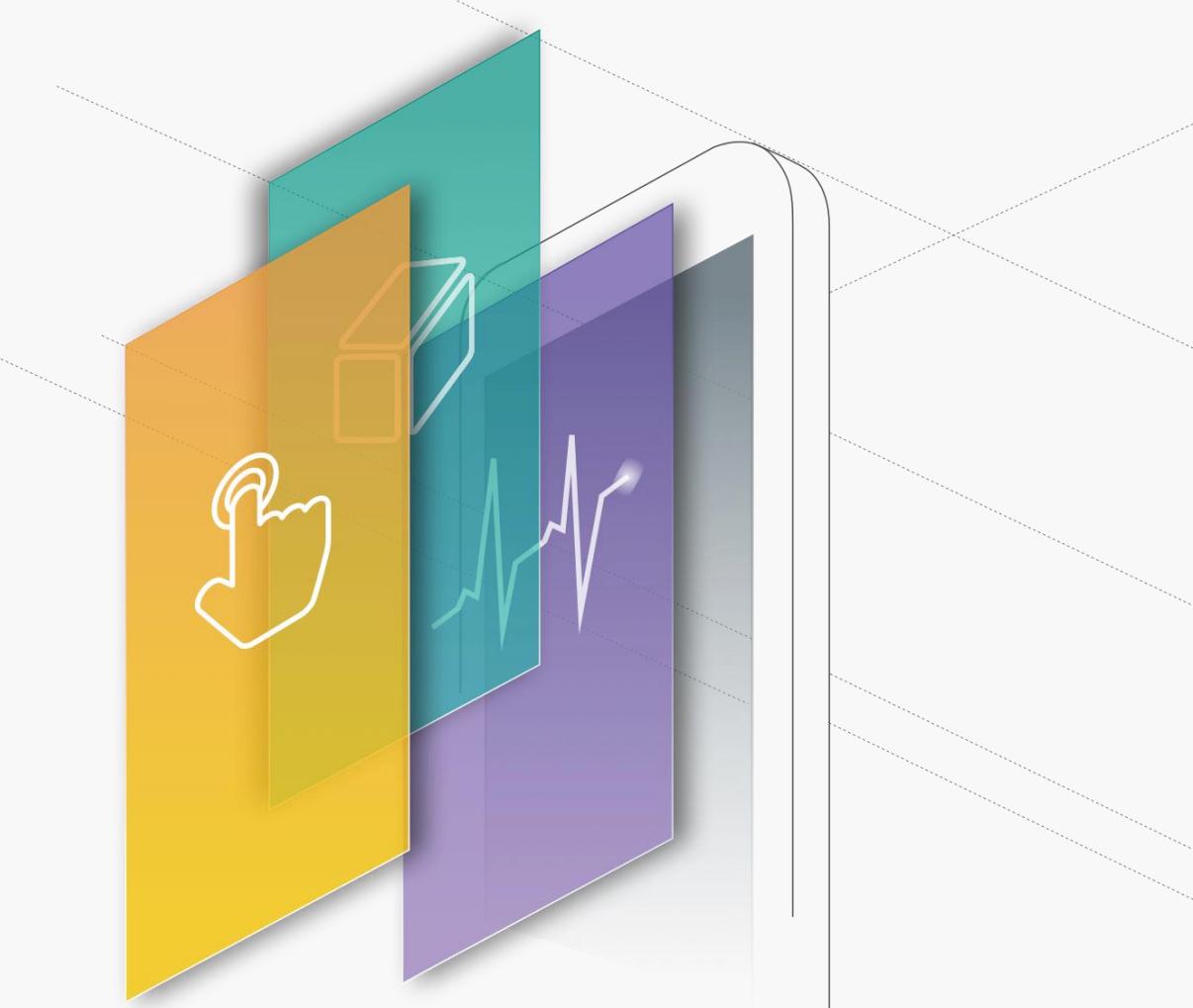


Deliver better
mobile apps, faster

Primer aniversario: Xamarin se une a Microsoft



- Interfaz de usuario nativa
- Acceso API fiable
- Performance nativa



Xamarin: Todo lo que podés hacer en Objective-C, Swift o Java, podés hacerlo con C# y Visual Studio

Xamarin.Forms Previewer

Visual Studio for Mac Preview

Platform Specifics

Xamarin included in Visual Studio

Open Source Xamarin.Android

Xamarin.Forms URL Navigation

iOS 10

.NET Standard

Open Source Xamarin.Mac

Open Source Xamarin.iOS

Hybrid AOT

TLS 1.2

MIT License Mono

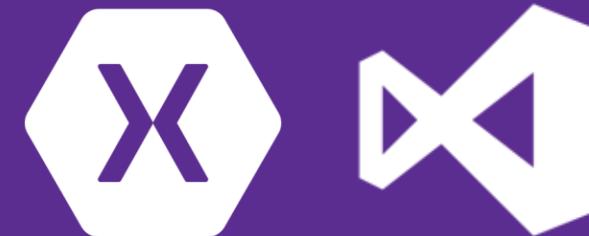
Workbooks

Multi-process debugging on Mac

Skia 2D Graphics

Xamarin.Forms Native Embedding

Open Source Xamarin.Forms



MIT License Mono

BitCode support

Remote iOS Simulator on Windows

Vulkan API

WatchOS 3

Xamarin.Forms Tizen

Inspector

Android Nougat

Embedded Native Controls

5-Star Mobile Applications

Xamarin Forms Previewer

The screenshot shows the Xamarin Forms Previewer interface. On the left, the XAML code for 'MonkeysPage.xaml' is displayed:

```
<?xml version="1.0" encoding="UTF-8"?>
<ContentPage
    xmlns="http://xamarin.com/schemas/2014/forms"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
    x:Class="Monkeys.Views.MonkeysPage"
    xmlns:design="clr-namespace:Monkeys;assembly=Monkeys"
    xmlns:controls="clr-namespace:ImageCircle.Forms.Plugin">
    <BindingContext>{x:Static design:ViewModelLocator.MonkeysVi
        Title="Traditional Monkey">
    <ContentPage.Content>
        <StackLayout>
            <Button Text="How many monkeys?" x:Name="ButtonHowM
            <Label Margin="10,0"
                Text="{Binding MonkeyCount, StringFormat='{0} Monke
                <ListView ItemsSource="{Binding MonkeysGrouped}"
                    ItemTapped="Handle_ItemTapped"
                    ItemSelected="Handle_ItemSelected"
                    HasUnevenRows="true"
                    GroupShortNameBinding = "{Binding Key}"
                    IsGroupingEnabled = "true"
                    GroupDisplayBinding = "{Binding Key}">
                    <ListView.ItemTemplate>
                        <DataTemplate>
                            <ViewCell>
                                <Grid Padding="10" RowSpacing="10"
                                    <Grid.RowDefinitions>
                                        <RowDefinition Height="Auto"
                                        <RowDefinition Height="*"/>
                                    </Grid.RowDefinitions>
                                    <Grid.ColumnDefinitions>
                                        <ColumnDefinition width="A

```

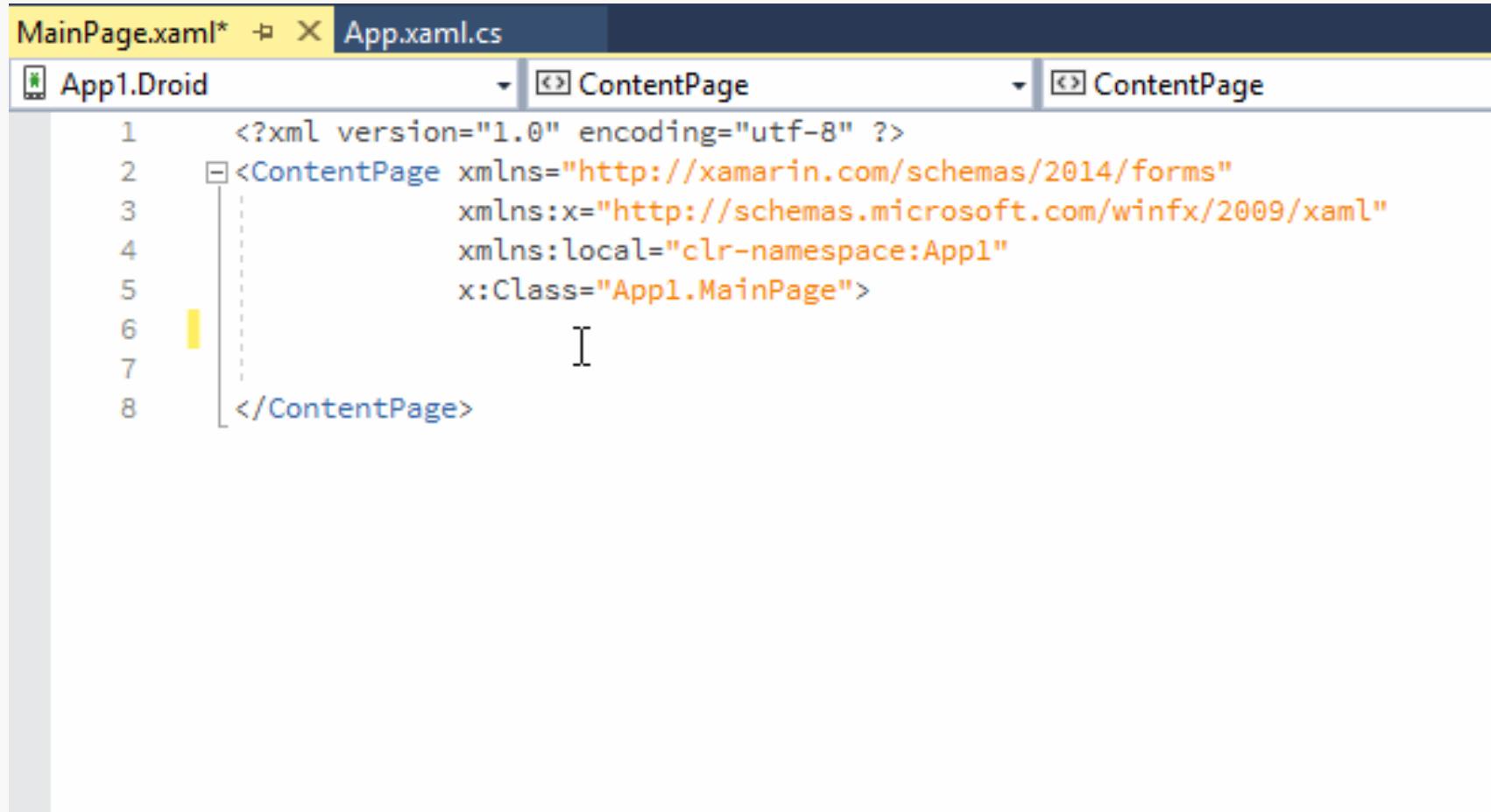
The preview window on the right shows a list of monkey species grouped by letter (B, C, G, H). Each item has a circular icon and a label with the monkey's name and its habitat.

| Group | Monkey Name | Habitat |
|-------|---------------------|-------------------------|
| B | Baboon | Africa & Asia |
| B | Blue Monkey | Central and East Africa |
| C | Capuchin Monkey | Central & South America |
| G | Golden Lion Tamarin | Brazil |
| H | Howler Monkey | South America |

The previewer also includes a sidebar with search and filter icons.

5-Star Mobile Applications

Improved Xamarin Forms XAML IntelliSense



The screenshot shows the Visual Studio IDE interface with the following details:

- Tab Bar:** The active tab is " MainPage.xaml* ". Other tabs include "App.xaml.cs", "App1.Droid", and two "ContentPage" tabs.
- Toolbox:** A toolbar with icons for New, Open, Save, Cut, Copy, Paste, Find, Replace, and Delete.
- Code Editor:** Displays the XAML code for the main page.

```
<?xml version="1.0" encoding="utf-8" ?>
<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
    xmlns:local="clr-namespace:App1"
    x:Class="App1.MainPage">
</ContentPage>
```
- Status Bar:** Shows the path "C:\Users\Public\Documents\Visual Studio 2015\Projects\HelloWorld\HelloWorld\MainPage.xaml" and the status "File is saved".

5-Star Mobile Applications

Connected Services

The screenshot shows the Visual Studio IDE interface. The top navigation bar includes tabs for "App1.iOS", "MainPage.xaml", and "App.xaml.cs". The main area displays the "Connected Services" dialog, which lists three service options: "Mobile Backend with Azure App Service Mobile App", "Cloud Storage with Azure Storage", and "Office 365 APIs". Below these options is a link "Find more services...". To the right of the main area is the "Solution Explorer" window, which shows the project structure for "App1" (3 projects). The "App1.Droid" project is expanded, showing files like "Connected Services", "Properties", "References", "Components", "Assets", "Resources", "MainActivity.cs", and "packages.config". The "App1.iOS" project is also listed. The "Connected Services" item in the "App1.iOS" node is highlighted with a gray background.

App1.iOS X MainPage.xaml App.xaml.cs

Connected Services

Add code and dependencies for one of these services to your application

Mobile Backend with Azure App Service Mobile App
Store data in the cloud, add authentication, and deliver push notifications for mobile apps.

Cloud Storage with Azure Storage
Store and access data with Azure Storage services like Blobs, Queues, and Tables.

Office 365 APIs
Integrate your applications with Office 365 APIs

Find more services...

Solution Explorer

Search Solution Explorer (Ctrl+;)

- Solution 'App1' (3 projects)
 - App1
 - App.xaml
 - MainPage.xaml
 - App1.Droid
 - Connected Services
 - Properties
 - References
 - Components
 - Assets
 - Resources
 - MainActivity.cs
 - packages.config
 - App1.iOS
 - Connected Services
 - Properties
 - References
 - Asset Catalogs
 - Native References
 - Components

Visual Studio Tools for Xamarin

Escribir rápidamente código, con gran calidad



Inspector



Profiler



Forms previewer



iOS simulator



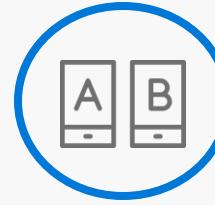
Connected services



New templates



Workbooks



Test recorder

¡Anuncio!

Visual Studio for Mac

Preview 4

Un IDE mobile-first, cloud-first. Hecho para Mac.

Aplicaciones Mobile y para Mac nativas en C#

Construido desde el cliente para la Nube

¡Anuncio!

Visual Studio Mobile Center

Preview

Fácil de adoptar

Listo para la Empresa

aka.ms/mobilecenter

¿No tenés una Mac?
¿Cómo genero una App?

xCloud
Your Mac Build
Server in the Cloud

<https://xcloud.me/>



Demo

¡GRACIAS!

Descargá Visual Studio 2017
Unite a la comunidad Net-Baires
Regístrate en los próximos eventos

www.net-baires.com.ar