



agile venture

cdevops

HEROES



#DOH18

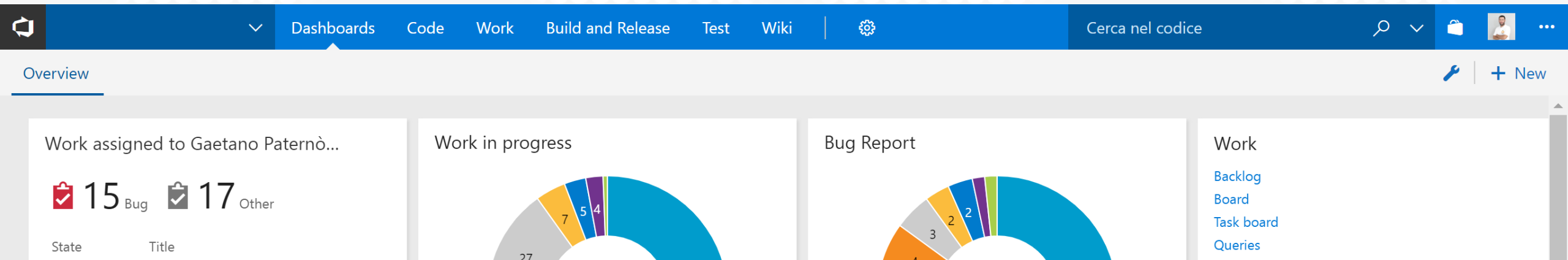
FROM VSTS TO AZURE DEVOPS

People. Process. Products.



Gaetano Paternò
@tanopaterno
info@gaetanopaterno.it

VSTS



Azure DevOps



Azure Boards (ex Work)

Deliver value to your users faster using proven agile tools to plan, track, and discuss work across your teams.



Azure Test Plans (ex Test)

Test and ship with confidence using manual and exploratory testing tools.



Azure Pipelines (ex Build & Release)

Build, test, and deploy with CI/CD that works with any language, platform, and cloud. Connect to GitHub or any other Git provider and deploy continuously.



Azure Artifacts (ex Packages)

Create, host, and share packages with your team, and add artifacts to your CI/CD pipelines with a single click.



Azure Repos (ex Code)

Get unlimited, cloud-hosted private Git repos and collaborate to build better code with pull requests and advanced file management.

Azure Repos

Unlimited private Git repo hosting and support for TFVC that scales from a hobby project to the world's largest Git repositories



Works with your Git client

Securely connect with and push code into your Git repos from any IDE, editor, or Git client.



Web hooks and API integration

Add validations and extensions from the marketplace or build your own using web hooks and REST APIs.



Semantic code search

Quickly find what you're looking for with code-aware search that understands classes and variables.



#DOH18

Azure DevOps

Contoso / AdventureWorks Mobile / Repos / Pull requests

Pull requests

Mine Active Completed Abandoned

Filter by keyword or ID

Created by

Created by me

- Initialize client with .client.init**
Kat Larsson requested #238 into master 6
- Testing configuration settings**
Kat Larsson requested #230 into features/config 0

Assigned to me

- Check returned identity for null status**
Colin Ballinger requested #212 into master 0
- [WIP] Add tests for deployment mapping**
Robin Counts requested #221 into master 3

Assigned to my team

- Add exception on disconnect**
Colin Ballinger requested #249 into master 0
- Maintain structure when converting isomorphs**
Robin Counts requested #234 into master 0
- Hotfix payload to releases/99**
Robin Counts requested #201 into releases/99 99

Project settings

Azure Boards

Track work with Kanban boards, backlogs, team dashboards, and custom reporting



Connected from idea to release

Track all your ideas at every development stage and keep your team aligned with all code changes linked directly to work items.



Scrum ready

Use built-in scrum boards and planning tools to help your teams run sprints, stand-ups, and planning meetings.



Project insights

Gain new insights into the health and status of your project with powerful analytics tools and dashboard widgets.



#DOH18

Azure DevOps

Contoso / AdventureWorks Mobile / Boards / FabrikamFiber

FabrikamFiber Board

New Active 5/5 Staging 15/5 Deployed

+ New item

- Hotels filter page
Carlos Slattery
Xamarin
- Guests page
Carole Poland
ML Xamarin
- NFC open door
Cecil Folk
Spike Xamarin
- Room Tab
Celeste Burton
Rooms [Detail]
- Map filter
Carole Poland
General Room [List]
- Hotel reviews page
Celeste Burton
Rooms [Detail]

Home page (selected room)
Kat Larson
Design

Home page (no room selected)
Carlos Slattery
Spike Xamarin

Top page controls
Celeste Burton
ML Xamarin

Entry + validations
Carole Poland

Search component complex features
Cecil Folk
General Xamarin

Navigation menu
Carlos Slattery
AL Xamarin

Images from api
Carole Poland
General

Login page
Celeste Burton
Blocked Xamarin

Adapt some parts of UI to UWP for Desktop
Carole Poland
Blocked Xamarin

Ambient settings
Carlos Slattery
Xamarin

Notifications list
Carole Poland
General

Project settings <<

Azure Test Plans

Get end-to-end traceability. Run tests and log defects from your browser. Track and assess quality throughout your testing lifecycle.



Capture rich data

Capture rich scenario data as you execute tests to make discovered defects actionable. Explore user stories without test cases or test steps. You can create test cases directly from your exploratory test sessions.



Test across web and desktop

Test your application where it lives. Complete scripted tests across desktop or web scenarios. Test on-premises application from the cloud and vice-versa.

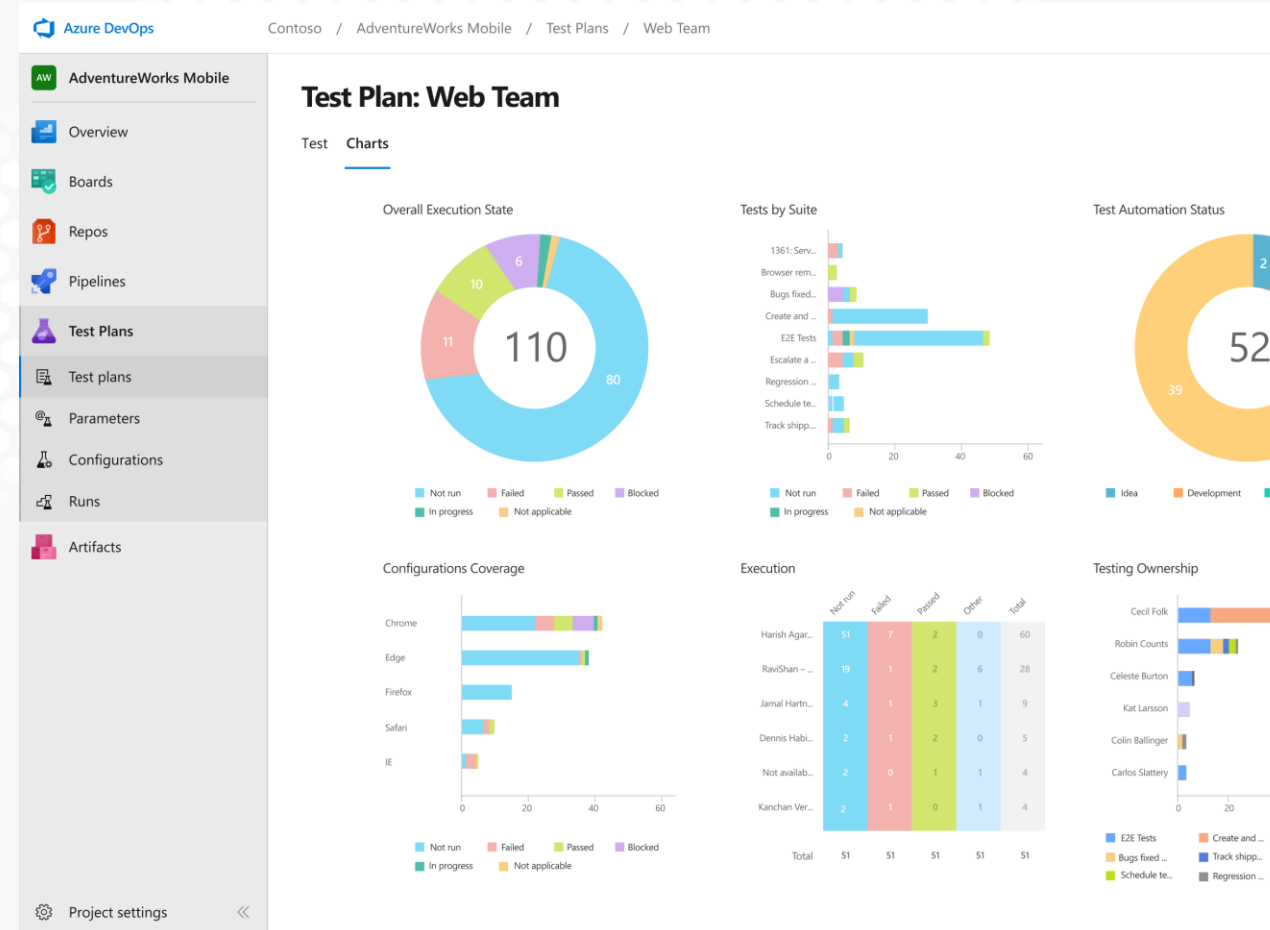


Get end-to-end traceability

Leverage the same test tools across your engineers and user acceptance testing stakeholders. Pay for the tools only when you need them.



#DOH18



Azure Artifacts

Create and share Maven, npm, and NuGet package feeds from public and private sources – fully integrated into CI/CD pipelines



Manage all package types

Get universal artifact management for Maven, npm, and NuGet.



Add packages to any pipeline

Share packages, and use built-in CI/CD, versioning, and testing.



Share code efficiently



#DOH18

Azure DevOps interface showing the Artifacts section for the project "Contoso / AdventureWorks Mobile". The interface includes a sidebar with navigation options: Overview, Boards, Repos, Pipelines, Test Plans, and Artifacts (selected). The main area displays a table of artifacts with columns: Package, Views, Source, Last pushed, and Description.

Package	Views	Source	Last pushed	Description
abbrev Version 1.1.0		nuget	a year ago	Like ruby's abbrev module, but in js
accepts Version 1.3.3		npmjs	a year ago	Higher-level content negotiation
acorn Version 5.0.3		MyFeed	a year ago	ECMAScript parser
acorn-dynamic-import Version 2.0.2		maven	a year ago	Support dynamic imports in acorn
acrl-jsx Version 3.0.1		nuget	a year ago	Alternative, faster React.js JSX parser
acorn-object-spread Version 1.0.0		maven	a year ago	Custom JSON-Schema keywords for ajv validator
ajv Version 4.11.7		npmjs	a year ago	Alphanumeric sorting algorithm
ajv-keywords Version 1.5.1		nuget	a year ago	ANSI escape codes for manipulating the terminal
alphanum-sort Version 1.4.0		npmjs	a year ago	An elegant lib that converts the chalked (ANSI) text

Project settings

Azure Pipelines

Cloud-hosted pipelines for Linux, Windows and macOS, with unlimited minutes for open source



Any language, any platform, any cloud

Build, test, and deploy Node.js, Python, Java, PHP, Ruby, C/C++, .NET, Android, and iOS apps. Run in parallel on Linux, macOS, and Windows. Deploy to Azure, AWS, GCP or on-premises



Extensible

Explore and implement a wide range of community-built build, test, and deployment tasks, along with hundreds of extensions from Slack to SonarCloud. Support for YAML, reporting and more



Containers and Kubernetes

Easily build and push images to container registries like Docker Hub and Azure Container Registry. Deploy containers to individual hosts or Kubernetes.



Best-in-class for open source

Ensure fast continuous integration/continuous delivery (CI/CD) pipelines for every open source project. Get unlimited build minutes for all open source projects with up to 10 free parallel jobs across Linux, macOS and Windows



#DOH18

Azure DevOps interface showing a pipeline run for "Enabling feature flags for Preview Attachment and Grid Views". The pipeline is running on a Linux job, and the logs show the execution of commands like "yarn install v1.7.0", "node build/npm/preinstall.js", and "npm run compile".

Azure Pipelines



- Free unlimited build minutes for public projects
- Up to 10 free parallel jobs across Windows, Linux and macOS



#DOH18

Microsoft ❤️ Open Source

Demo



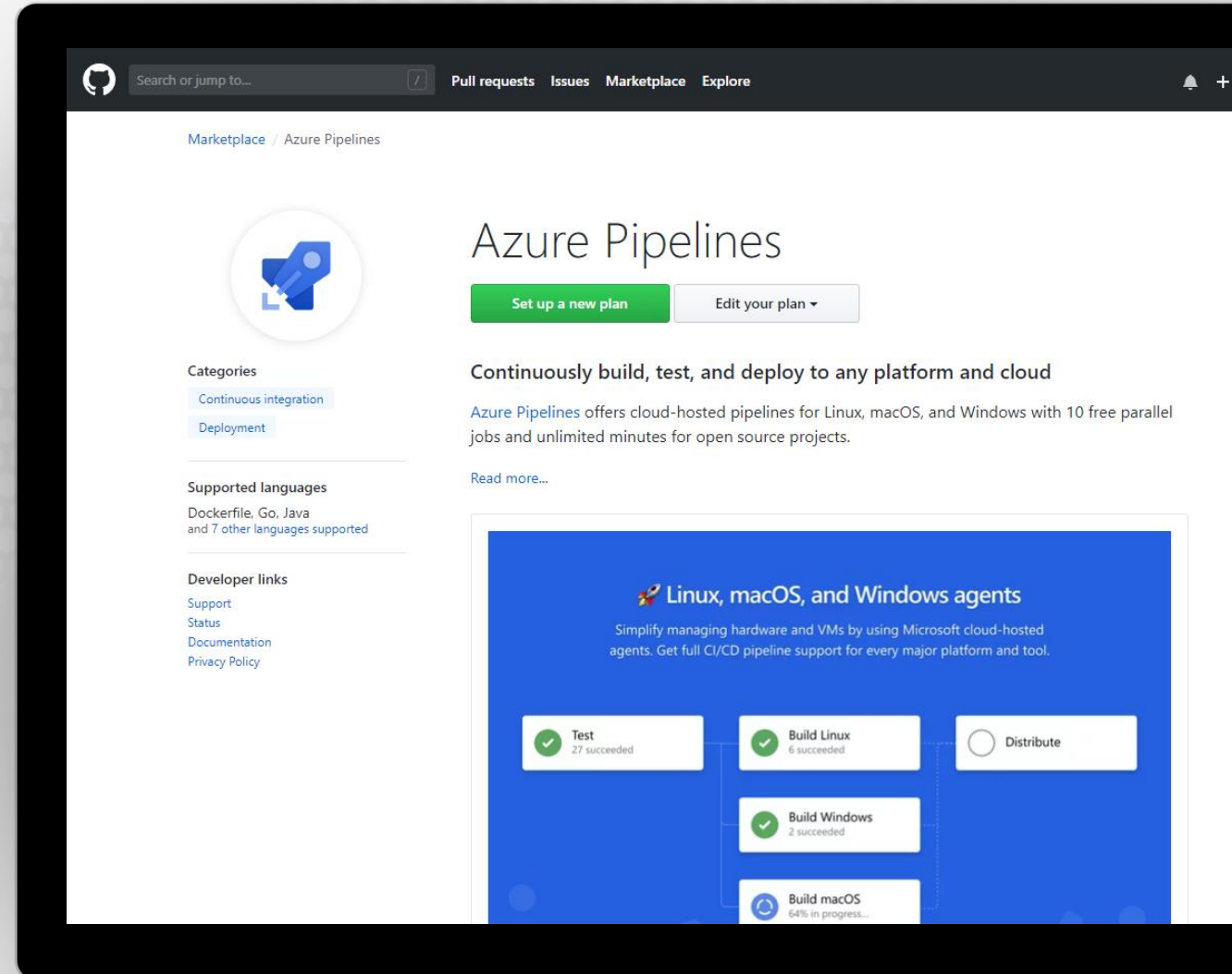
Azure DevOps

Azure Pipelines



Integrated with GitHub

Azure Pipelines available now to any developer from the GitHub Marketplace



Demo



Azure Pipelines

Demo



Azure Artifacts

Azure DevOps Services Pricing

Open Source Projects

Free

Unlimited users and build time

- **Azure Pipelines:** 10 parallel jobs with unlimited minutes for CI/CD
- **Azure Boards:** Work item tracking and Kanban boards
- **Azure Repos:** Unlimited public Git repos

Small Teams

Free

Start free with up to 5 users

- **Azure Pipelines:** Run 1 Microsoft-hosted job for 1,800 minutes per month and 1 self-hosted job for any amount of time
- **Azure Boards:** Work item tracking and Kanban boards
- **Azure Repos:** Unlimited public Git repos
- **Azure Artifacts:** package management
- Unlimited stakeholders

Teams of any size

Starts at \$6

per user, per month for Boards & Repos*

Easy pricing that grows with your team

- **Azure Pipelines:** Run 1 Microsoft-hosted job for 1,800 minutes per month and 1 self-hosted job for any amount of time
- **Azure Boards:** Work item tracking and Kanban boards
- **Azure Repos:** Unlimited public Git repos
- **Azure Artifacts:** package management
- Unlimited stakeholders
- Boards & Repos included for Visual Studio subscribers

5 Boards & Repos users and 5 Artifacts users free. Pipelines with unlimited minutes, Test Plans users and additional Artifacts users also available. Please see the Azure pricing calculator for details.

Changes for existing VSTS / TFS customers

The same functionality you know and love today, with greater openness, flexibility and focus

Pricing

- Public project usage is now free.
- The free tier for Pipelines now includes **1,800** minutes per month, up from 240.
- Pipelines can be used independently from Repos — so if you are only using Pipelines and your repos are hosted on GitHub you don't need to pay for Repos or Boards (Basic) users.

New Accounts

- <https://dev.azure.com/contoso> based URL.
- New navigation & branding by default.

Existing Accounts

- Existing <https://contoso.visualstudio.com> URL continues to work. <https://dev.azure.com/contoso> available for opt-in.
- New **UI opt-in** per user as preview feature. Will start advertising new UI once feedback from new accounts and early adopters has been incorporated.
- Can disable services on a per project basis for new UI
- New Azure branding in communications and documentation (emails, alerts etc).
- Websites and documentation will move from Visual Studio to Azure based locations (with redirects in place).
- Redirects available for some time.
- TFS will remain the on-premises brand until the next major version in 2019. The new UI will be enabled in that release.
- Existing TFS branded information and downloads remain in Visual Studio locations until next release.

Migrating from TFS to Azure DevOps

Move from Team Foundation Server to Azure DevOps and bring your data along

Benefits of Cloud Hosted Azure DevOps Services

- Global availability
- Hosted and maintained by Microsoft with 99.9% uptime guarantee and 24x7 support
- Immediate access to latest features
- Simplified deployment to Azure

TFS Import Service

- Fully supported high fidelity migration path
- Trusted by many large enterprises
- Now faster and easier to use



Organizer & sponsors



GetLatestVersion.it



italian
agile
movement





agile venture

cdevops

HEROES

THANK YOU!



#DOH18

Reference

- Gaetano Paternò

 /tanopaterno

 @tanopaterno

 www.gaetanopaterno.it

 info@gaetanopaterno.it



 /visualstudioitalia

- <https://azure.microsoft.com/en-us/services/devops/>
<https://azure.microsoft.com/en-us/blog/introducing-azure-devops/>
<https://docs.microsoft.com/en-us/azure/devops/?view=vsts>
<https://channel9.msdn.com/Events/Microsoft-Azure/Azure-DevOps-Launch-2018>
<https://marketplace.visualstudio.com/azuredevops>