

# What's new in Azure App Service for DevOps

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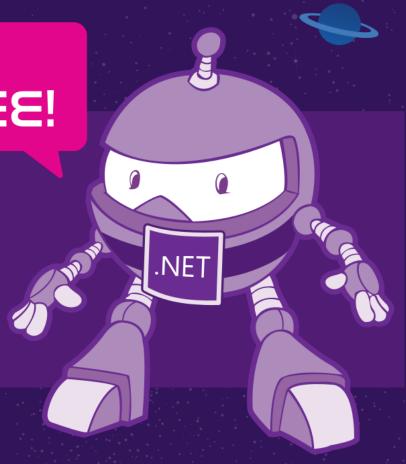


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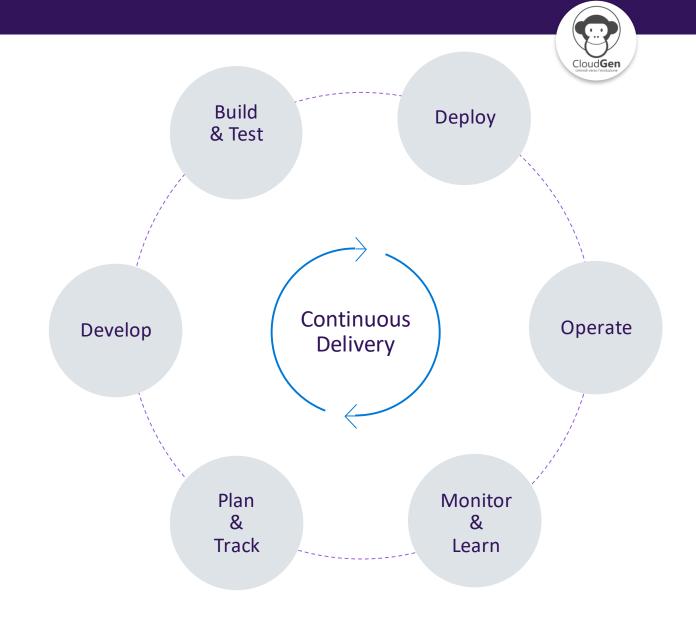


## What is DevOps?

People. Process. Products.

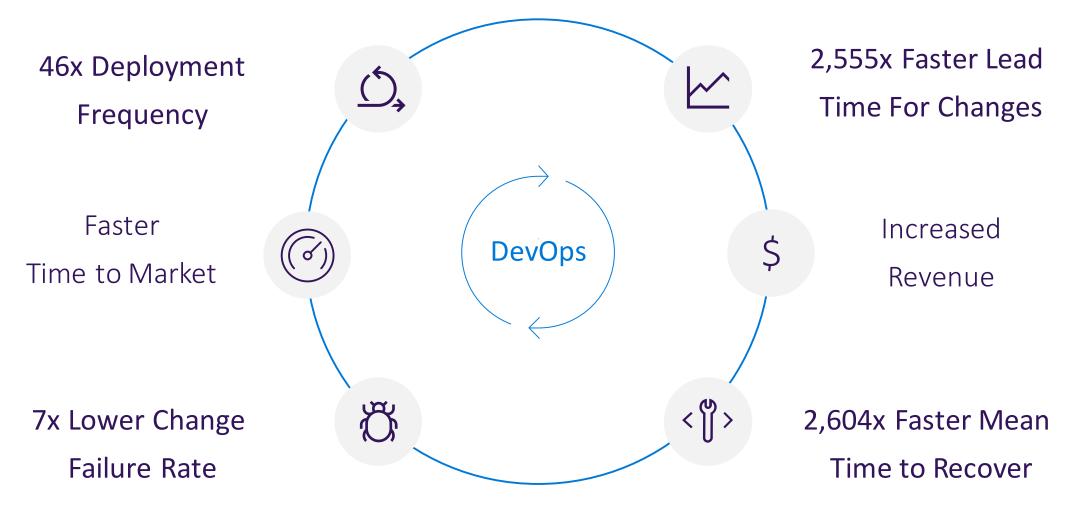


DevOps is the union of people, process, and products to enable continuous delivery of value to your end users.



## High Performance DevOps Companies Achieve...





## What core technologies do I need to deploy & learn faster?



DevOps brings together people, processes, and technology, automating software delivery to provide continuous value to your users. Using Azure DevOps, you can deliver software faster and more reliably - no matter how big your IT department or what tools you're using.



Continuous Integration (CI)

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Continuous Deployment (CD)



Continuous Learning & Monitoring

## Introducing Azure DevOps





#### Azure Boards

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



#### Azure Test Plans

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



#### Azure Pipelines

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 Repos

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



#### **Azure Artifacts**

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



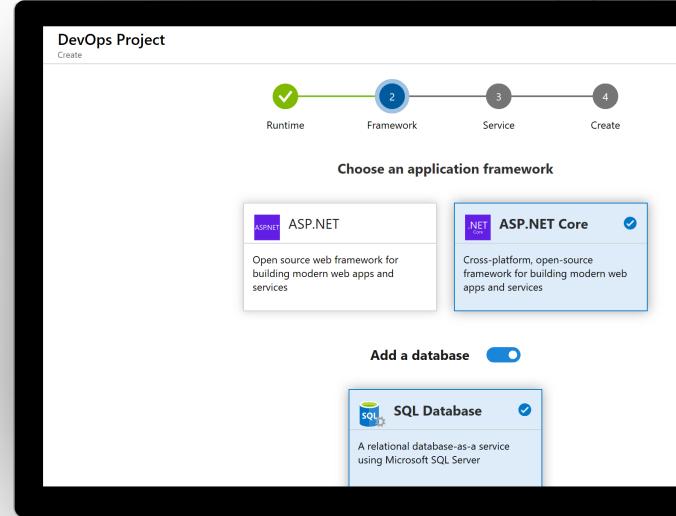
https://azure.com/devops

## DevOps Pipelines in Minutes



#### **Azure DevOps Projects**

- → Create a full ASP.NET DevOps pipeline with 4 easy steps from the Azure Portal
- Start with a Git repo, web app and pre-configured pipeline
- Customize, extend and scale when needed.







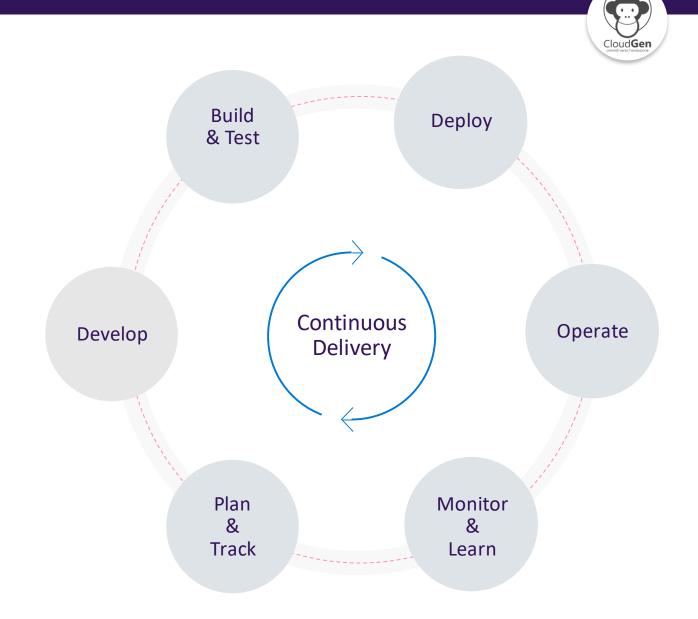
Azure DevOps

Projects

## **Iteratively Removing Impediments**

Find the pain points in your DevOps processes and improve a bit, reassess and improve again.

Lots of small incremental improvements add up.



#### **Azure Boards**

CloudGen

## 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

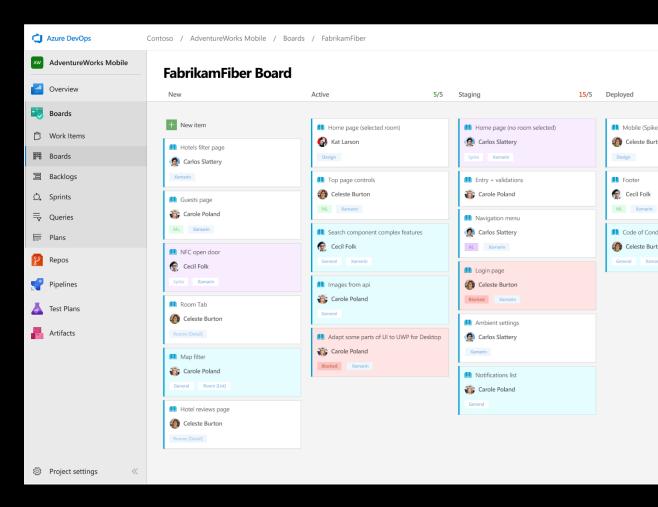
Use built-in scrum boards and planning tools to help your teams run sprints, stand-ups, and planning meetings.



#### Project insights

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





## Azure Repos

Cloud Gen onest verte l'exhause

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

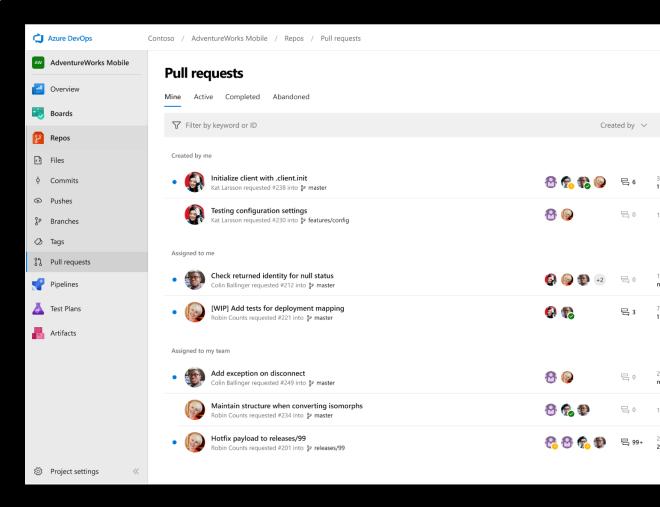
Add validations and extensions from the marketplace or build your own using web hooks and REST APIs.



#### Semantic code search

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





## 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 onpremises



#### 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

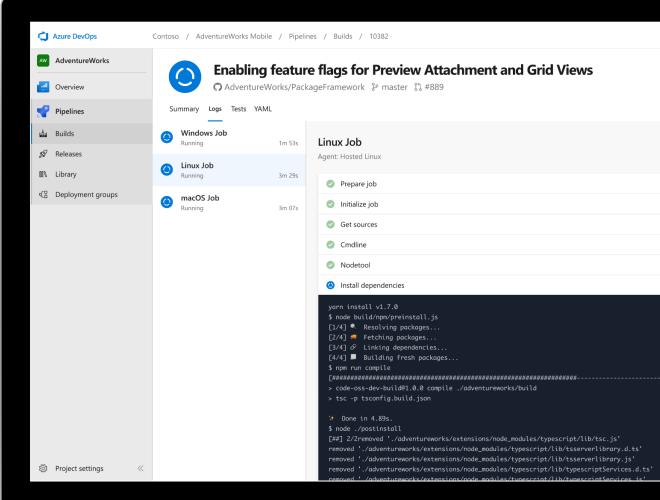
Easily build and push images to container registries like Docker Hub and Azure Container Registry. Deploy containers to individual hosts or Kubernetes.



#### 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







# Azure Pipelines

Free unlimited build minutes for public projects

Up to 10 free parallel jobs across Windows, Linux and macOS

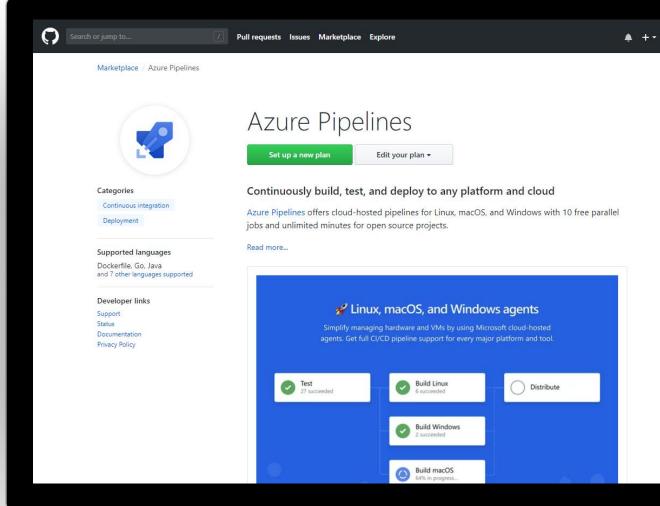
Microsoft Open Source





## Integrated with GitHub

Azure Pipelines available now to any developer from the GitHub Marketplace







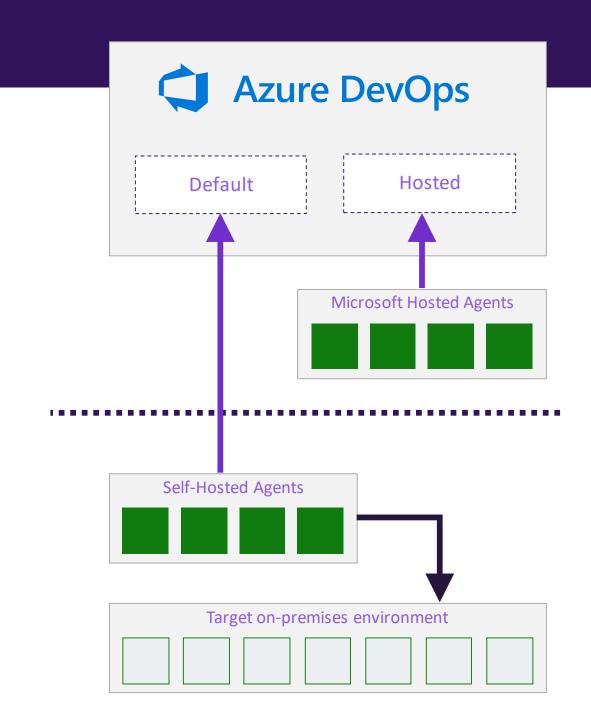
Open Source

Powered by

**Azure Pipelines** 

## Self-Hosted Agents

- Ideal if you require custom build pre-requisites, control vendor license keys etc
- Can create in cloud or on-prem
- Can also deploy to on-prem servers from Azure DevOps
- Can use deployment groups to dynamically provision to target deployment group types



## DevOps for Desktop

DevOps principles are not just for web apps, containers & micro-service architectures.

Common area of focus is on improving the flow of value to your customers with CI & CD to the desktop

### **Evergreen Installation Technologies**

- ClickOnce
- Squirrel
- Microsoft Store for Business and Education

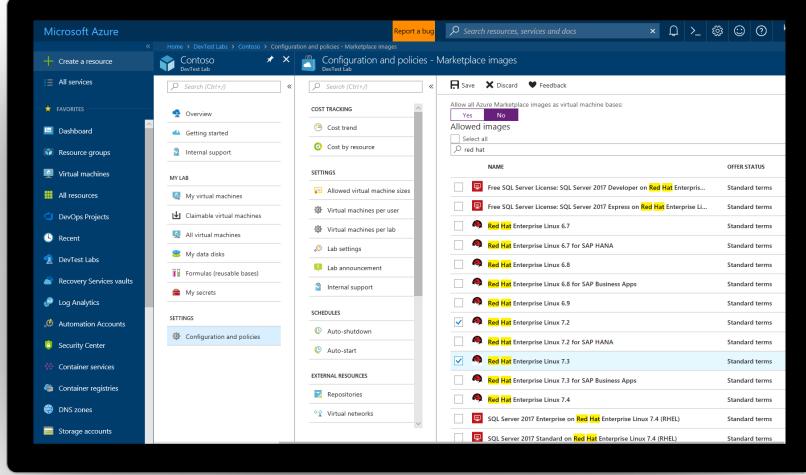


## Self-Service Dev/Test Environments



#### **Azure Lab Services**

- → Simplify cloud environment management for developers and testers.
- Enforce policies and control costs with full visibility
- Use templates, custom images and formulas to reproduce environments.
- Orchestrate with Azure
  Pipelines or integrate using
  REST API



## **Azure DevOps**













Plan smarter, collaborate better, and ship faster with a set of modern dev services





Any developer, any platform, any cloud. Full support for hybrid cloud, on-premises & containers.



Use all the Azure DevOps services or choose just what you need to complement your existing workflows



Best in class builds for open source. Free unlimited build minutes for public projects and up to 10 free concurrent jobs across Windows, Linux and macOS



Get started for free for small teams, scales to support the largest enterprises

Start free today





## Grazie

Domande?







## Changes for existing VSTS / TFS customers



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

#### **Existing Accounts**

- Existing https://contoso.visualstudio.com URL continues to work. https://dev.azure.com/contosoavailable 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.

#### **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.

## 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





## 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 selfhosted 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 selfhosted 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.



## Grazie

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