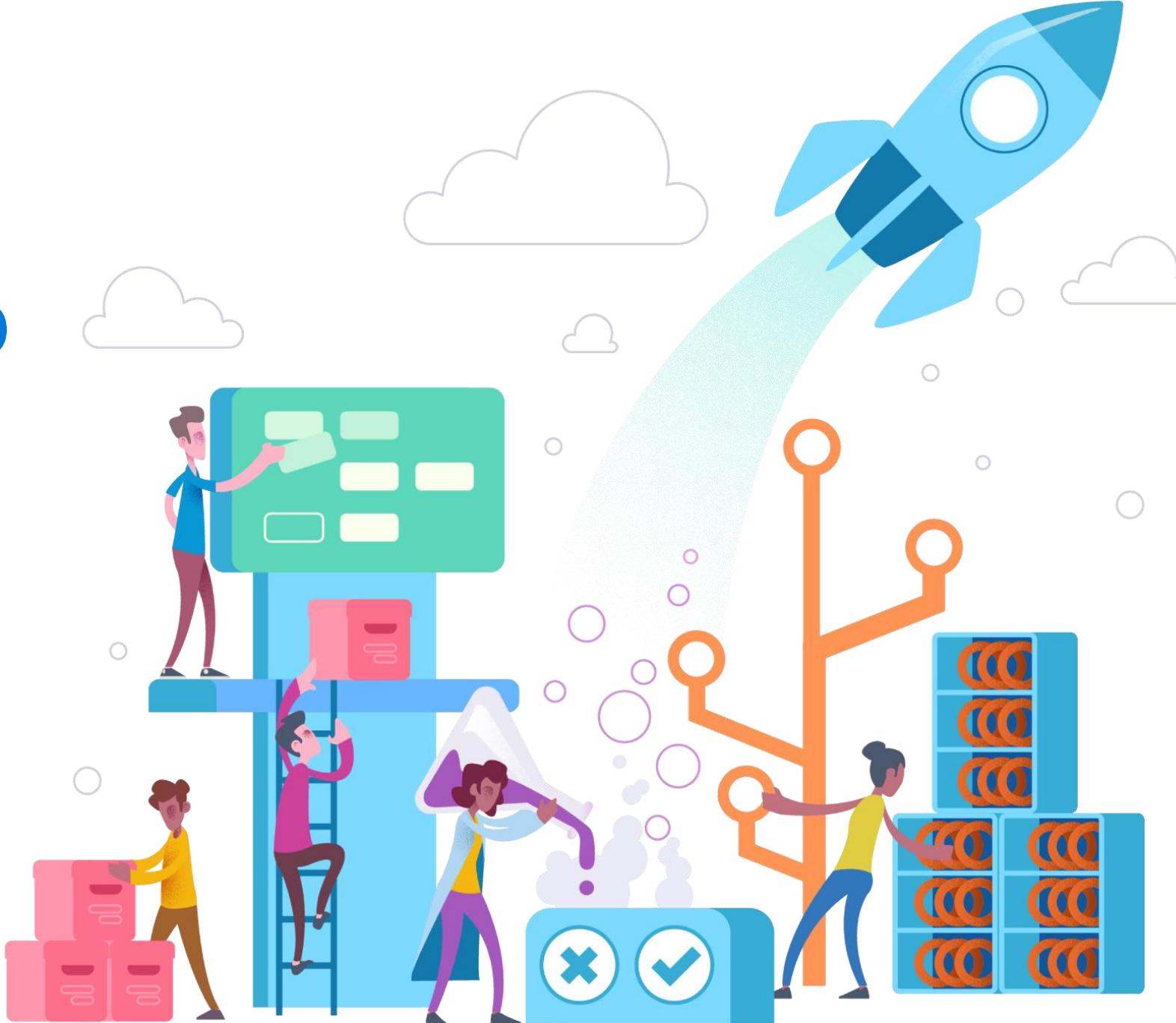


Introduction to Azure DevOps

Azure Meetup Quebec city
Nov 27th, 2018



Mathieu Benoit

Cloud Solution Architect
Microsoft Canada



<https://aka.ms/mabenoit>

Azure DevOps

#AzureDevOps



<https://azure.com/devops>



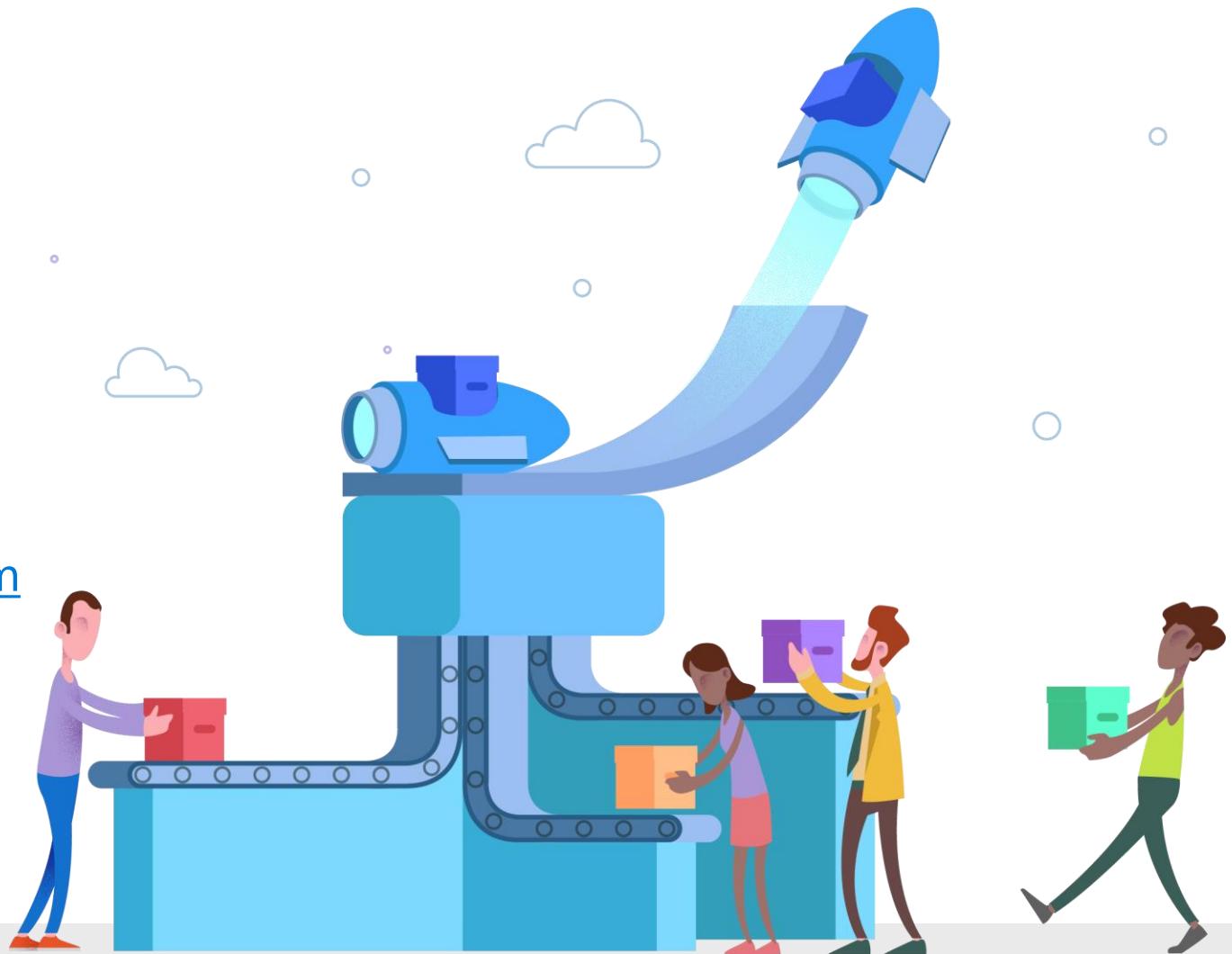
@AzureDevOps



<https://aka.ms/AzureDevOpsForum>



<https://aka.ms/DevOpsBlog/>



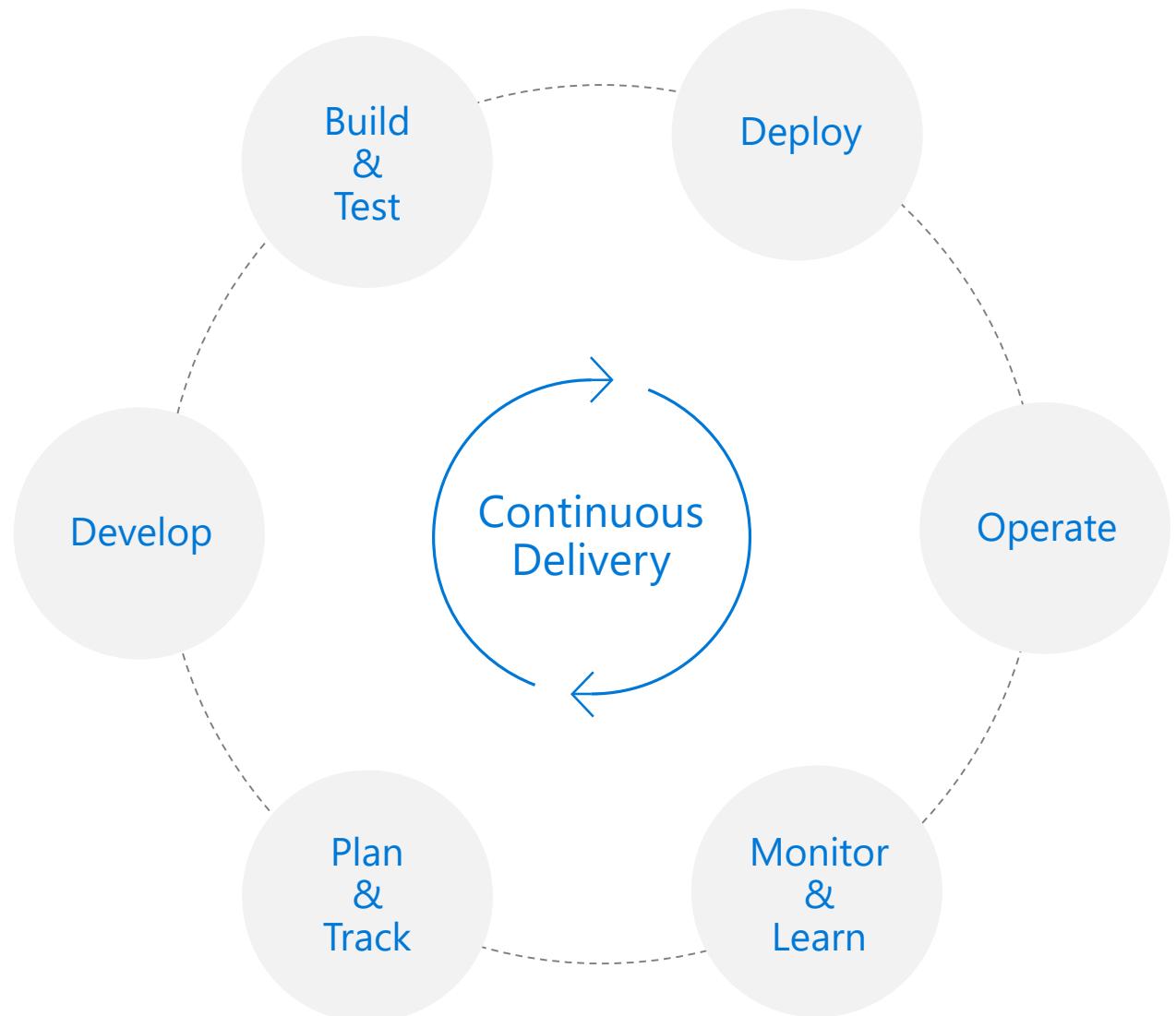
What is DevOps?

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...

46x Deployment Frequency

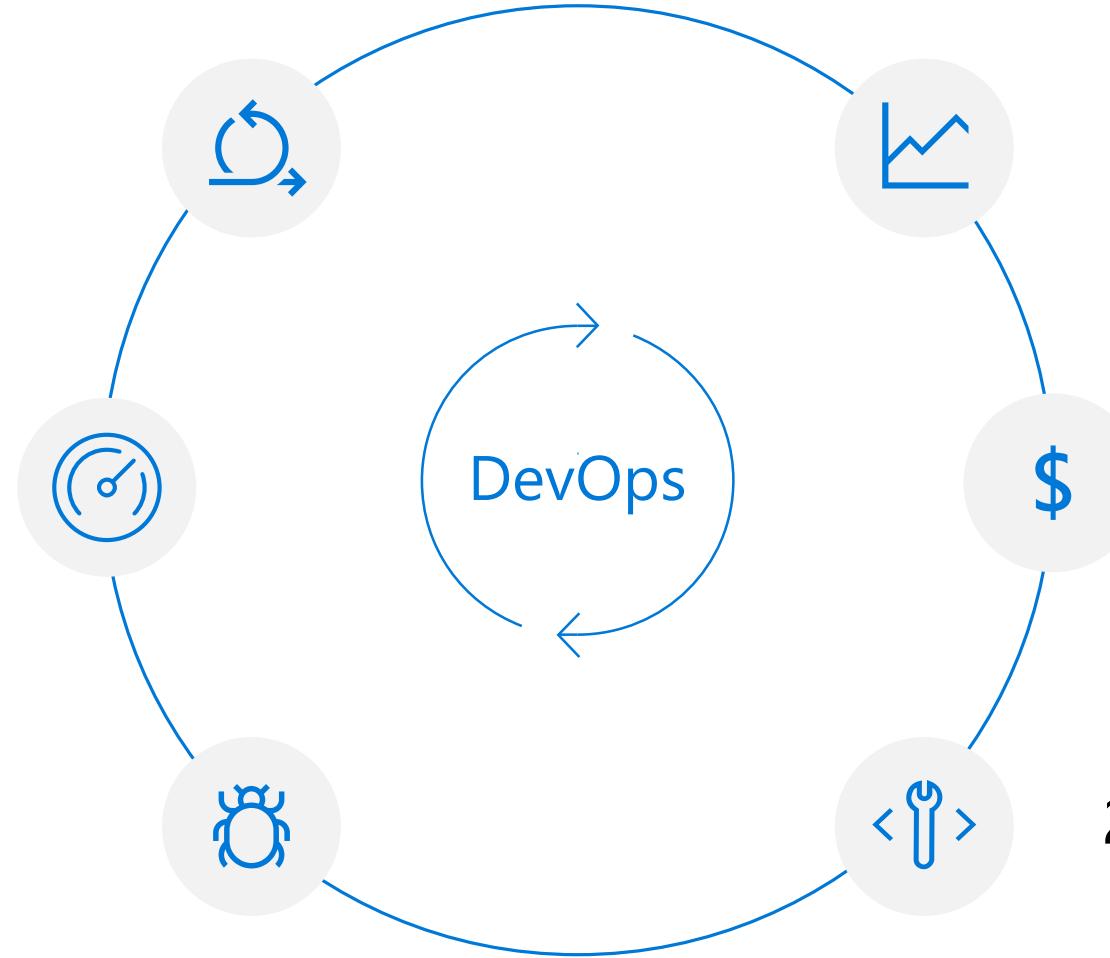
Faster Time to Market

7x Lower Change Failure Rate

2,555x Faster Lead Time For Changes

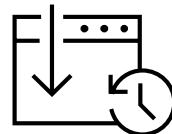
Increased Revenue

2,604x Faster Mean Time to Recover



What technologies do I need to support DevOps?

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)

- Improve software development quality and speed.
- When you use Azure Pipelines or Jenkins to build apps in the cloud and deploy to Azure, each time you commit code, it's automatically built and tested and bugs are detected faster.

101010
010101
101010

Continuous Deployment (CD)

- By combining continuous integration and infrastructure as code (IaC), you'll achieve identical deployments and the confidence to deploy to production at any time.
- With continuous deployment, you can automate the entire process from code commit to production if your CI/CD tests are successful.



Continuous Learning & Monitoring

- With Azure Application Insights you can identify how your applications are performing and test if the recent deployment made things better or worse.
- Using CI/CD practices, paired with monitoring tools, you'll be able to safely deliver features to your customers as soon as they're ready.

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 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.



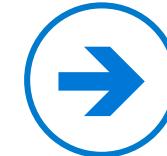
Azure Test Plans

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



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>

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

The screenshot shows the Azure DevOps Pipelines interface for the AdventureWorks Mobile project. The pipeline is titled "Enabling feature flags for Preview Attachment and Grid Views". It includes three parallel jobs: "Windows Job" (Running, 1m 53s), "Linux Job" (Running, 3m 29s), and "macOS Job" (Running, 3m 07s). The "Logs" tab is selected, displaying the command-line output of the "yarn install" step:

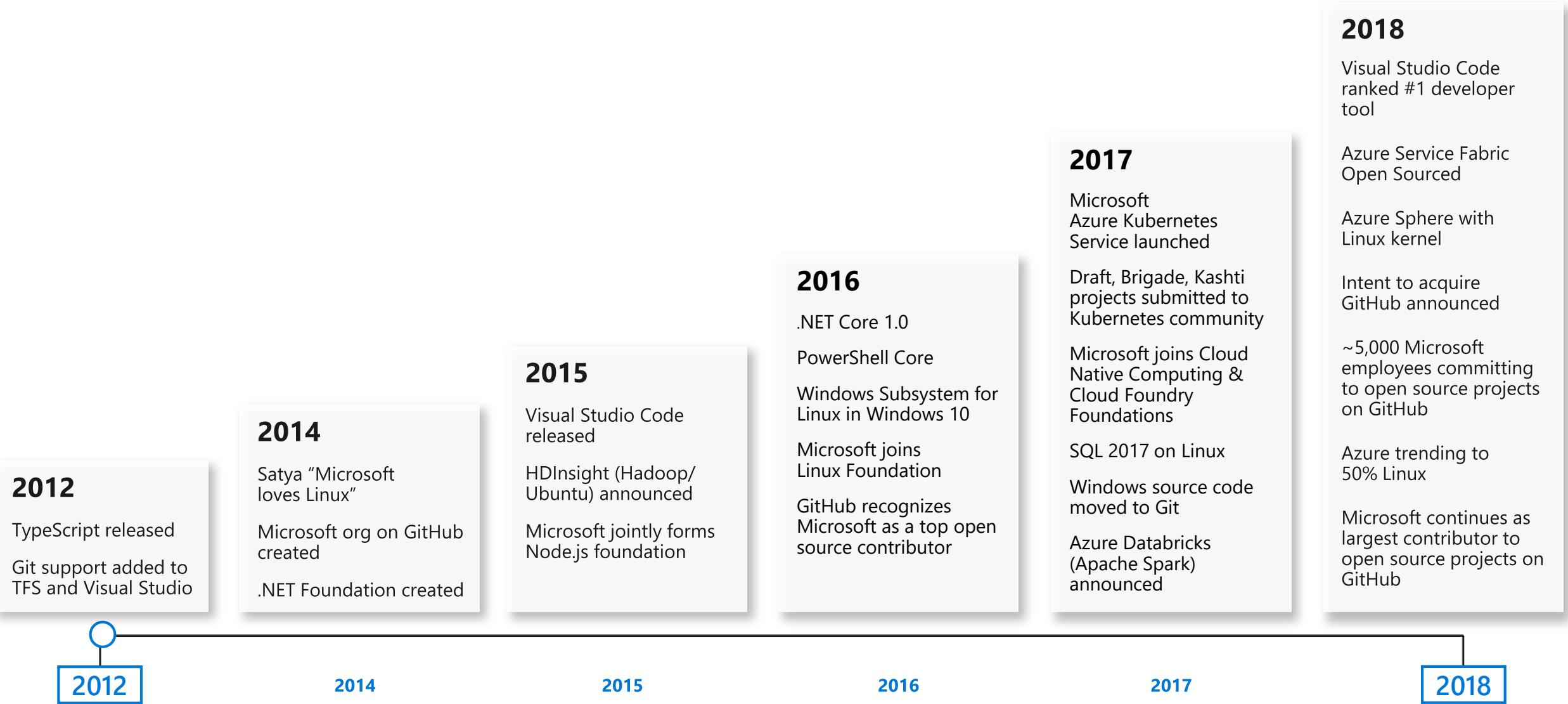
```
yarn install v1.7.0
$ node build/npm/preinstall.js
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
[4/4] Building fresh packages...
$ npm run compile
> code-oss-dev-build@1.0.0 compile ./adventureworks/build
> tsc -p tsconfig.build.json

* Done in 4.89s.
$ node ./postinstall
[##] 2/2 removed './adventureworks/extensions/node_modules/typescript/lib/tsc.js'
removed './adventureworks/extensions/node_modules/typescript/lib/tsserverlibrary.d.ts'
removed './adventureworks/extensions/node_modules/typescript/lib/tsserverlibrary.js'
removed './adventureworks/extensions/node_modules/typescript/lib/typescriptServices.d.ts'
removed './adventureworks/extensions/node_modules/typescript/lib/typescriptServices.js'
```



<https://azure.com/pipelines>

Microsoft ❤️ Open Source





Azure Pipelines

Free **unlimited** build minutes for
public projects

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



<https://azure.com/pipelines>

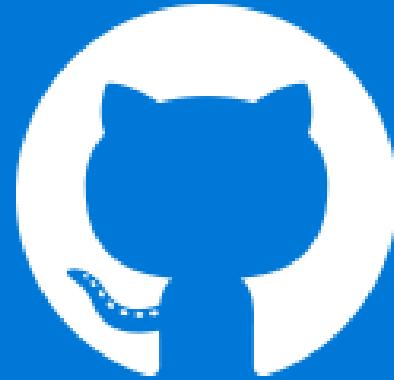
Microsoft ❤️ Open Source



Integrated with GitHub

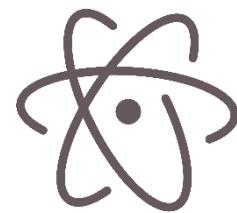
Azure Pipelines available now to
any developer from the GitHub
Marketplace

The screenshot shows the Azure Pipelines page in the GitHub Marketplace. At the top, there's a search bar and navigation links for Pull requests, Issues, Marketplace, and Explore. Below the header, the page title is "Azure Pipelines". There are two buttons: "Set up a new plan" (green) and "Edit your plan ▾" (grey). A main heading "Azure Pipelines" is followed by the subtext "Continuously build, test, and deploy to any platform and cloud". A brief description states: "Azure Pipelines offers cloud-hosted pipelines for Linux, macOS, and Windows with 10 free parallel jobs and unlimited minutes for open source projects." A "Read more..." link is present. On the left, there's a sidebar with sections for "Categories" (Continuous integration, Deployment), "Supported languages" (Dockerfile, Go, Java, and 7 other languages supported), and "Developer links" (Support, Status, Documentation, Privacy Policy). On the right, a large blue box highlights "Linux, macOS, and Windows agents" with the subtext "Simplify managing hardware and VMs by using Microsoft cloud-hosted agents. Get full CI/CD pipeline support for every major platform and tool." It shows a flowchart of a CI/CD pipeline: "Test 27 succeeded" → "Build Linux 6 succeeded" → "Build Windows 2 succeeded" → "Build macOS 64% in progress..." → "Distribute".

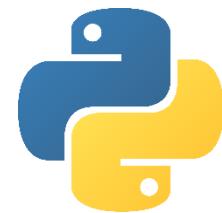


Early adopters

GitHub projects already powered
by Azure Pipelines for CI



atom/atom



python/cpython



dotnet/reactive



microsoft/vscode

Azure DevOps



Azure Boards

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



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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.



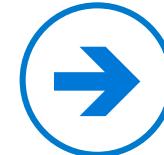
Azure Artifacts

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



Azure Repos

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



<https://azure.com/devops>

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.



<https://azure.com/devops>

The screenshot shows the Azure DevOps Boards interface. On the left, a sidebar menu includes options like Overview, Boards (which is selected), Work Items, Backlogs, Sprints, Queries, Plans, Repos, Pipelines, Test Plans, and Artifacts. The main area is titled "FabrikamFiber Board" and displays a Kanban board with several columns: New, Active, 5/5 (Staging), 15/5 (Deployed), and a summary column. The "New" column contains a "New item" card for "Hotels filter page" by Carlos Slattery. The "Active" column contains cards for "Home page (selected room)" by Kat Larson, "Top page controls" by Celeste Burton, "Guests page" by Carole Poland, "NFC open door" by Cecil Folk, "Room Tab" by Celeste Burton, "Map filter" by Carole Poland, and "Hotel reviews page" by Celeste Burton. The "Deployed" column contains cards for "Home page (no room selected)" by Carlos Slattery, "Entry + validations" by Carole Poland, "Search component complex features" by Carlos Slattery, "Images from api" by Carole Poland, "Adapt some parts of UI to UWP for Desktop" by Carole Poland, "Ambient settings" by Carlos Slattery, and "Notifications list" by Carole Poland. The "Staging" column has no visible cards. At the bottom of the board, there are buttons for "Project settings" and "Back".

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.



<https://azure.com/devops>

The screenshot shows the Azure DevOps interface for the 'AdventureWorks Mobile' project. The left sidebar has a dark theme with white icons and text. It includes links for Overview, Boards, Repos (which is selected), Files, Commits, Pushes, Branches, Tags, Pull requests (also selected), Pipelines, Test Plans, and Artifacts. At the bottom of the sidebar is a 'Project settings' link. The main content area is titled 'Pull requests' and shows a list of pull requests under four categories: 'Mine', 'Active', 'Completed', and 'Abandoned'. The 'Mine' tab is selected. The first pull request is 'Initialize client with .client.init' by Kat Larsson, requested #238 into master. The second is 'Testing configuration settings' by Kat Larsson, requested #230 into features/config. The third is 'Check returned identity for null status' by Colin Ballinger, requested #212 into master. The fourth is '[WIP] Add tests for deployment mapping' by Robin Counts, requested #221 into master. The fifth is 'Add exception on disconnect' by Colin Ballinger, requested #249 into master. The sixth is 'Maintain structure when converting isomorphs' by Robin Counts, requested #234 into master. The seventh is 'Hotfix payload to releases/99' by Robin Counts, requested #201 into releases/99. Each pull request entry includes a small profile picture, the title, the requester's name, the branch it was requested into, and a 'Comments' icon indicating the count of comments.

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.

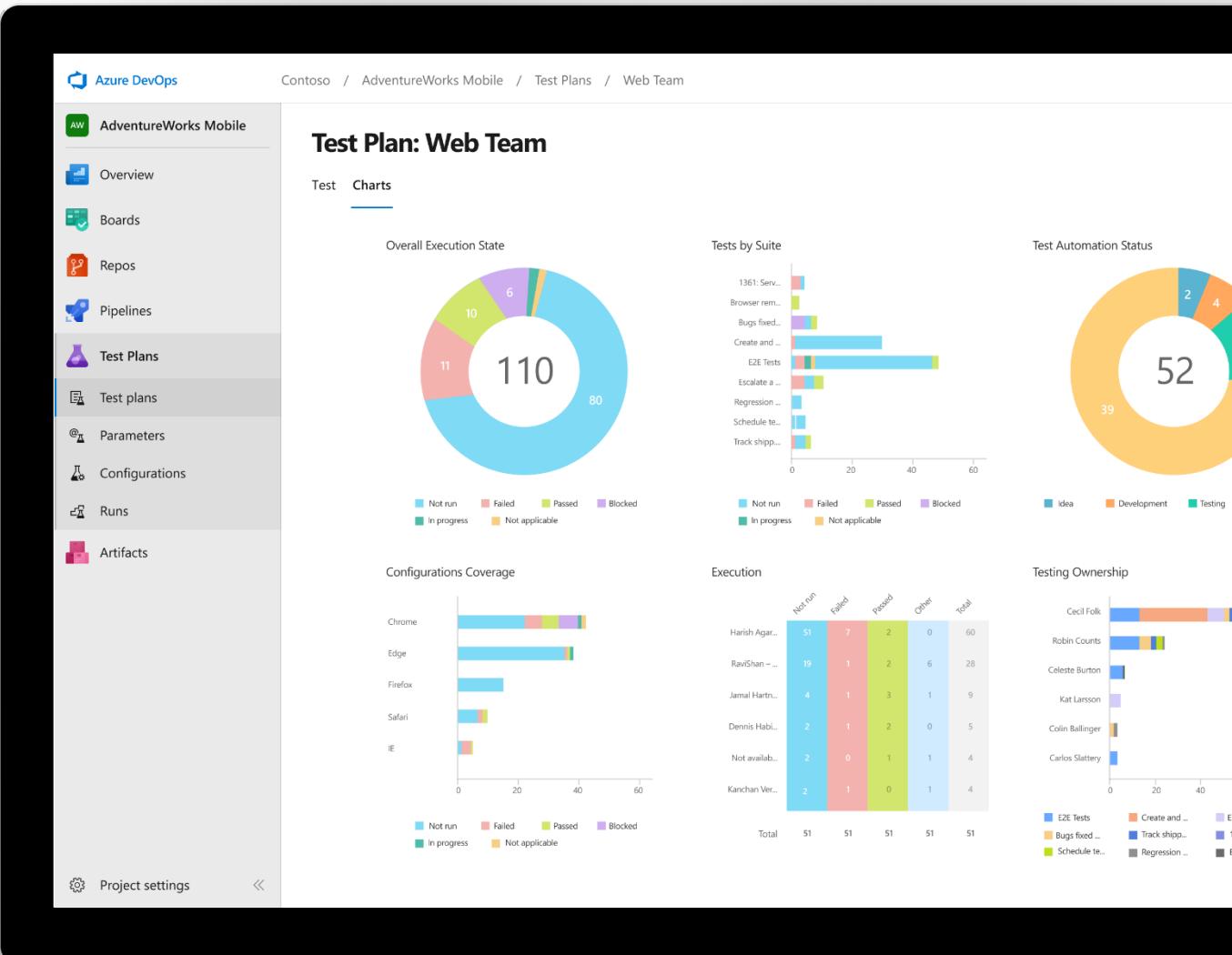


Get end-to-end traceability

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



<https://azure.com/devops>



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. Python is Preview now!



Add packages to any pipeline

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



Share code efficiently

Easily share code across small teams and large enterprises.

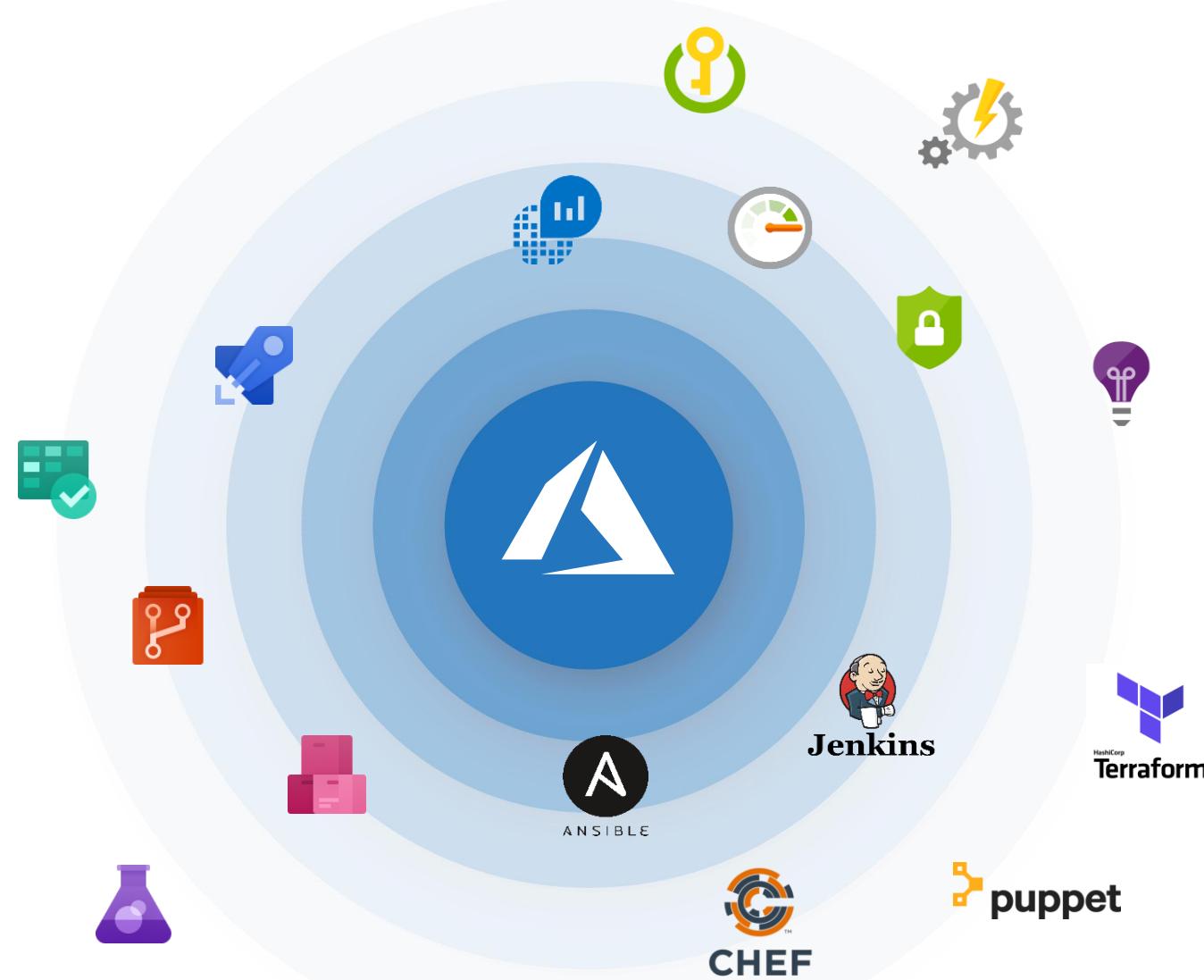


<https://azure.com/devops>

The screenshot shows the Azure DevOps interface for managing artifacts. On the left, there's a sidebar with links for 'AdventureWorks Mobile' (selected), 'Overview', 'Boards', 'Repos', 'Pipelines', 'Test Plans', and 'Artifacts'. The main area is titled 'Artifacts' and shows a table of packages. The columns are 'Package', 'Views', 'Source', 'Last pushed', and 'Description'. The packages listed are:

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

Broadening the Azure Ecosystem



Self-Service Dev/Test Environments

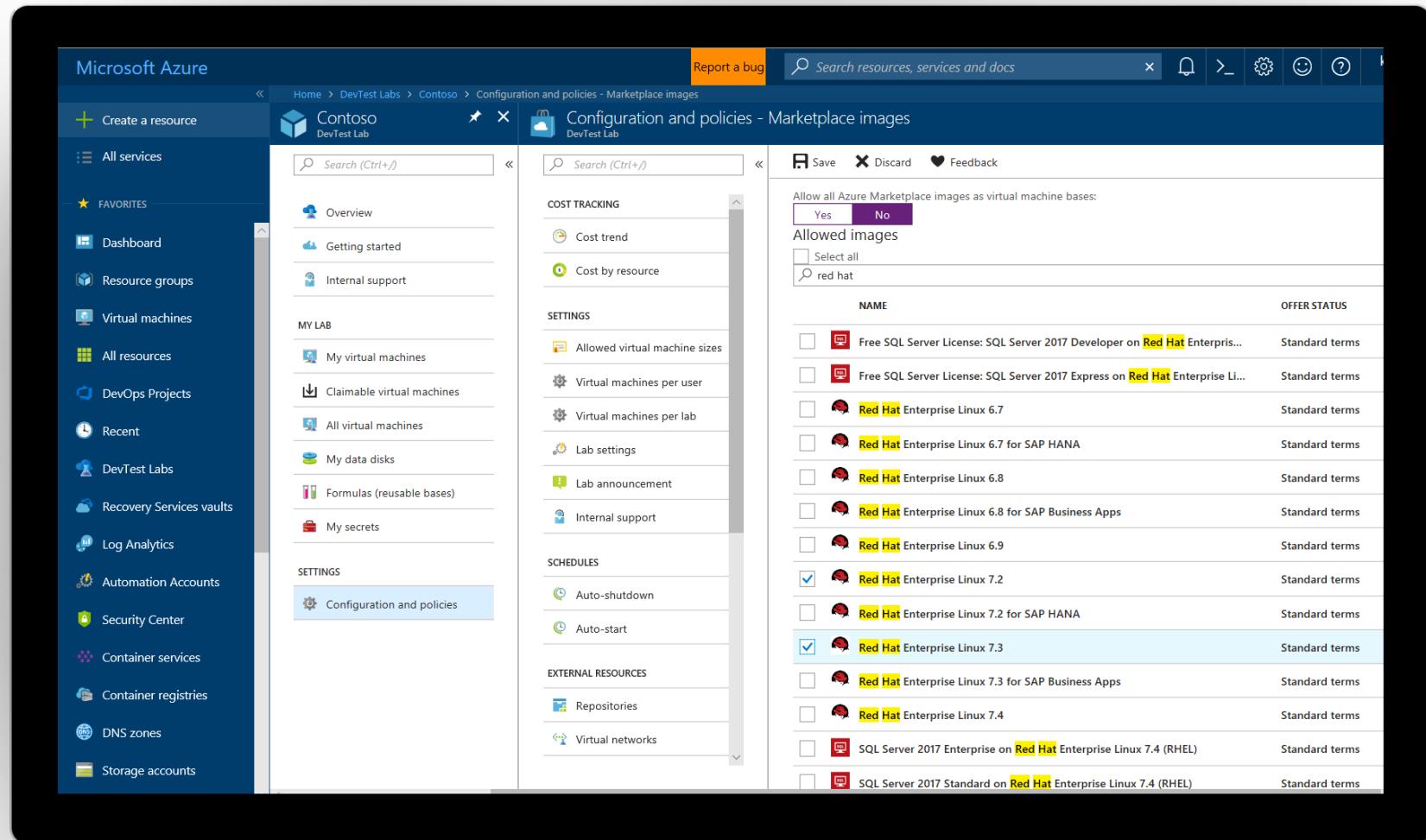
Azure Lab Services

→ 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



Infrastructure and Configuration as Code

Azure Resource Manager, Automation & 3rd Party Integrations

→ Infrastructure as Code,
built-in

→ Azure Config & Automation

→ Support for 3rd party and OSS
tooling such as Terraform,
Ansible, Chef, Puppet &
SaltStack



The screenshot shows the Microsoft Azure portal interface. On the left, the navigation menu includes 'Create a resource', 'All services', and various Azure services like 'Resource groups', 'Virtual machines', and 'Automation Accounts'. The main area displays a 'Resource groups' list with items such as 'AustraliaSEDevelopment', 'AustraliaSEProduction' (which is selected), 'autoShutdown', 'cloud-shell-storage-westus', 'DefaultResourceGroup-EUS', and 'securitydata'. To the right, the 'AustraliaSEProduction - Automation script' blade is open. It shows an 'Overview' section with tabs for 'Template', 'Parameters', 'CLI', 'PowerShell', '.NET', and 'Ruby'. The 'Template' tab displays a JSON template for deploying resources. The template content is as follows:

```
$schema: "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#"
contentVersion: "1.0.0.0"
parameters:
  dnszones_onazure_io_name: {
    defaultValue: "onazure.io",
    type: "String"
  }
  NS_@_name: {
    defaultValue: "@",
    type: "String"
  }
  SOA_@_name: {
    defaultValue: "@",
    type: "String"
  }
  A_vote_name: {
    defaultValue: "vote",
    type: "String"
  }
  A_draft_name: {
    defaultValue: "draft",
    type: "String"
  }
  A_devops_name: {
    defaultValue: "devops",
    type: "String"
  }
  A_*.draft_name: {
    defaultValue: "*.draft",
    type: "String"
  }
```

Continuous Security

Azure Security Center

- Gain full visibility and control of your cloud security state
- Leverage ML to Proactively identify and mitigate risks to reduce exposure to attacks
- Quickly detect and respond to threats with advanced analytics



The screenshot shows the Azure Security Center - Overview dashboard. The top navigation bar includes Power BI, Subscriptions, and Log Integration. The main area is divided into several sections:

- Overview:** Includes Recommendations (14 Total, 2 Healthy), Partner solutions (0 Healthy), and New alerts & incidents (0).
- Prevention:** Shows counts for Compute (9 Total), Networking (8 Total), Storage & data (28 Total), and Applications (4 Total). Each category has a progress bar indicating severity levels.
- Detection:** Displays Security alerts (High Severity: 6, Medium Severity: 15, Low Severity: 4) and Most attacked resources (vm1 with 20 Alerts).

Smarter Insights, Faster

Azure Monitor, Application Insights & Log Analytics

- Pre-defined solutions with smart thresholds
- Visualize data in intuitive and customizable dashboards
- Separate the signal from the noise and accelerate root-cause analysis
- Integrate your existing processes & tools like Service Now



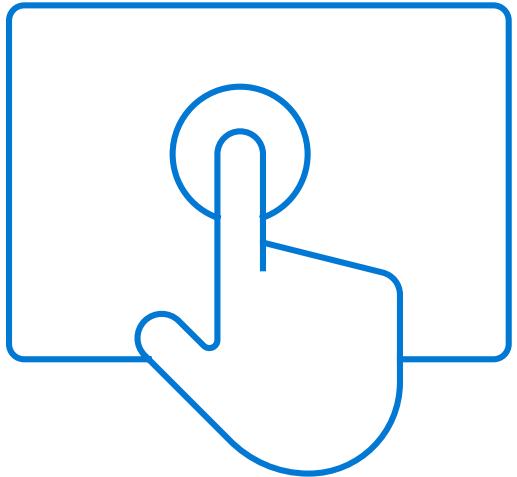
DevOps Pipelines in Minutes

Azure DevOps Projects

- Create a full DevOps pipeline with 3 easy steps from the Azure Portal
- Start with a Git repo and any source language
- Web apps, Kubernetes, soon VMs and more.
- Customize, extend and scale when needed.

The screenshot shows the Azure DevOps CI/CD Pipeline interface. At the top, there's a navigation bar with links for Refresh, Project homepage, Repositories, Build Pipelines, Release Pipelines, Agile Backlogs, Users & Groups, and Delete. Below the navigation bar, the main area is divided into sections:

- CI/CD Pipeline:** This section displays a pipeline for the repository "nodesampleproject". The pipeline consists of three stages: Code, Build, and Production. The "Code" stage shows a commit "411c6bfa" by Alok Agrawal, updated style, 3 days ago. The "Build" stage shows a build named "Build 20171109.1" that succeeded 1 minute ago. The "Production" stage shows a production deployment for "nodesampleprojectsite" that is currently in progress 1 minute ago.
- Azure resources:** This section lists associated resources:
 - Application endpoint: <http://nodesampleprojectsites.azurewebsites.net> (with a "Browse" button)
 - App Service: nodesampleprojectsites (status: Running)
 - Application Insights: nodesampleprojectsites
- Repository:** This section shows the repository "nodesampleproject" with a "Code" button.

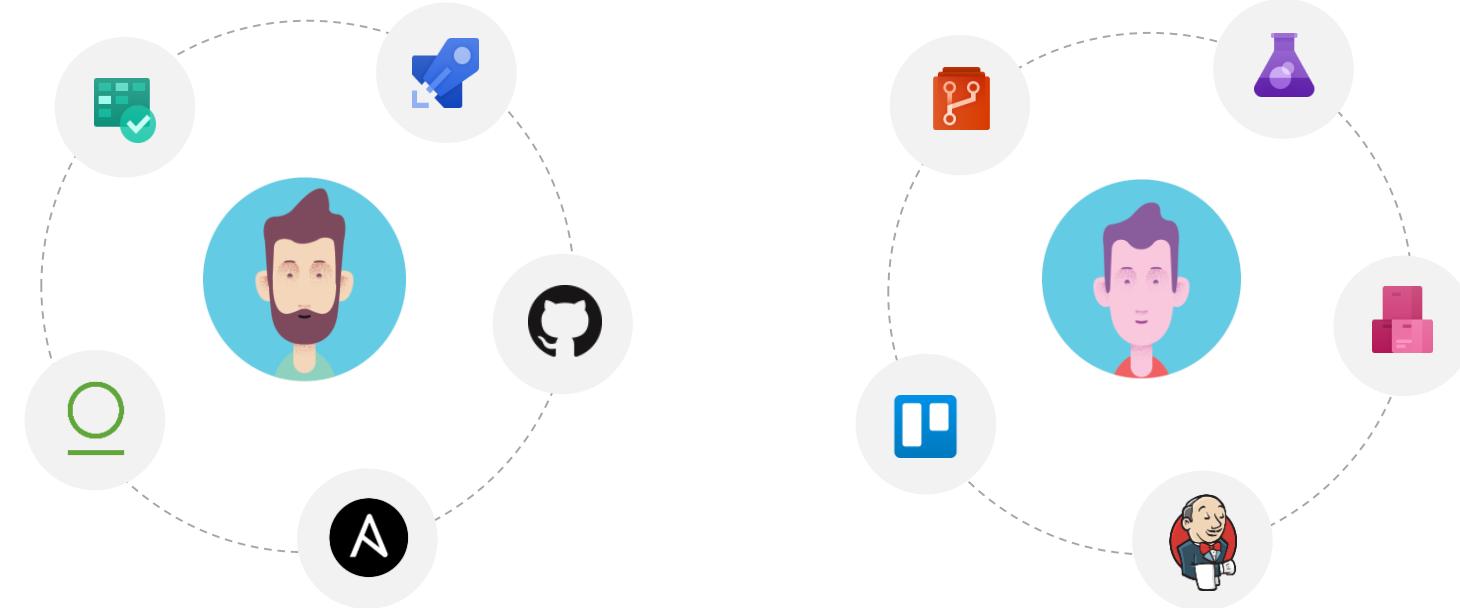


Demo

An end-to-end scenario with Azure DevOps Projects

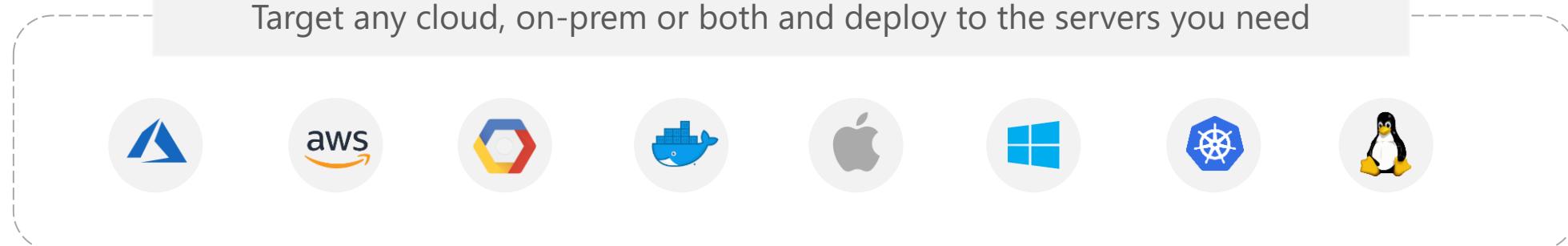
Azure DevOps: Choose the tools and clouds you love

Azure DevOps lets developers choose the tools that are right for them



Mix and match to create workflows with tools from Microsoft, open source or your favorite 3rd party tools

Target any cloud, on-prem or both and deploy to the servers you need



Azure DevOps supports small teams to largest enterprises



“ Instead of telling people to wait for 6 months for a new feature, we can give it to them in a few weeks...Our 2800 worldwide developers can use the same backlog, user stories and tests whether they're on Windows or Linux... building for iOS or Android. ”



“ Speed is gained in moving to the PaaS offering of Azure DevOps. PaaS provides regularly released features and a future-proof capability, eliminating the need for Accenture to maintain infrastructure and go through upgrade cycles. ”



“ Microsoft made it really easy to break outside the silos... and tie the DevOps process into the fulfillment of business process. Without the tools that we have today, we would not be successful. ”



“ Branches sync 500 percent faster. Builds are 400 percent faster, with the typically six-hour process reduced to 90 minutes. We (now have) a highly streamlined process that operates with a few button clicks—and one-button deployment. ”

DevOps at Microsoft

Azure DevOps is the toolchain of choice for Microsoft engineering with over 90,000 internal users



<https://aka.ms/DevOpsAtMicrosoft>

372k

Pull Requests per month

4.4m

Builds per month

5m

Work items viewed per day

2m

Git commits per month

500m

Test executions per day

500k

Work items updated per day

78,000

Deployments per day

Data: Internal Microsoft engineering system activity, August 2018

TFS - Prod Config Change X +

https://dev.azure.com/mseng/VSOnline/_releaseProgress?releaseId=5536521&a=release-pipeline-progress

Azure DevOps mseng / VSOnline / Pipelines

V VSO Online Pipeline Variables History + Deploy Cancel Refresh Release (old view) Edit release ... Help

Release

Manually triggered by Shady Ibraheem 30/08/2018 21:01

Artifacts

VSO.Release.CI VSO.Release.CI_M139_20180 830.30 releases/M139

Stages

Ring 0 ✓ Succeeded on 30/08/2018 21:24

Ring 1 ✓ Succeeded on 30/08/2018 21:44

Ring 2 ⏲ Pending intervention... Job 1/2 1/1 tasks Waiting on Pause Between Rings 08:49

Ring 5 ⏲ Not deployed

Resume

Project settings

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/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.

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.



Introducing Azure DevOps Server 2019 RC1

Posted on November 20, 2018



Jamie Cool, Director of Program Management, Azure DevOps



Today we're excited to share the first release candidate (RC) of Azure DevOps Server 2019. Azure DevOps Server 2019 delivers the codebase of Microsoft Azure DevOps while being optimized for customers who prefer to self-host. This may be the case for some customers because they require Azure DevOps run on-premises, they require a guaranteed isolated instance of Azure DevOps, or because they want to run in regions where a hosted version of Azure DevOps is not available.

You can [download Azure DevOps Server 2019 RC1](#) today.

Like the evolution of Team Foundation Server (TFS), Azure DevOps Server includes the [new, fast, and clean Azure DevOps user interface](#) with a multitude of new features. We'll discuss some of the most beneficial features for our customers below, but you can check out our extensive [release notes for all the features and information](#) included in this initial release.

Added support for Azure SQL

Azure DevOps Server includes support for Azure SQL in addition to existing SQL Server support. This enables enterprises to self-host Azure DevOps in their own datacenter using an on-premises SQL Server. Customers now also have the option to self-host Azure DevOps in the cloud and take advantage of all the fantastic Azure SQL capabilities and performance. With this release, Azure DevOps now provides best in class hybrid-cloud development collaboration capabilities allowing customers to install on-premises, self-host in the cloud, or use the globally available Microsoft hosted service to take advantage of automatic updates and automatic scaling.

Release management improvements

With Azure DevOps Server 2019 the new release management interface is also available, making it easier than ever to see how your deployment is going. The unique end-to-end traceability in Azure DevOps allows you to easily understand which bits are deployed to which environments and why. You can also mix and match agents self-hosted on-premises and in any cloud on Windows, Mac, or Linux. You can easily deploy to IaaS or PaaS in Azure as well as on-premises infrastructure.

Azure DevOps Server 2019 RC1

Introducing Azure DevOps Service Status Portal

Service health							
	United States	Canada	Brazil	Europe	Asia Pacific	Australia	India
 Core services	✓	✓	✓	✓	✓	✓	✓
 Boards	✓	✓	✓	✓	✓	✓	✓
 Repos	✓	✓	✓	✓	✓	✓	✓
 Pipelines	✓	✓	✓	✓	✓	✓	✓
 Test Plans	✓	✓	✓	✓	✓	✓	✓
 Artifacts	✓	✓	✓	✓	✓	✓	✓
 Other services	✓	✓	✓	✓	✓	✓	✓
✓ Healthy	⚠ Degraded	✗ Unhealthy	ⓘ Advisory				

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



<https://azure.com/pricing/details/devops/>

* 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.

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

➡ <https://aka.ms/tfsimport>



Azure DevOps

#AzureDevOps



<https://azure.com/devops>



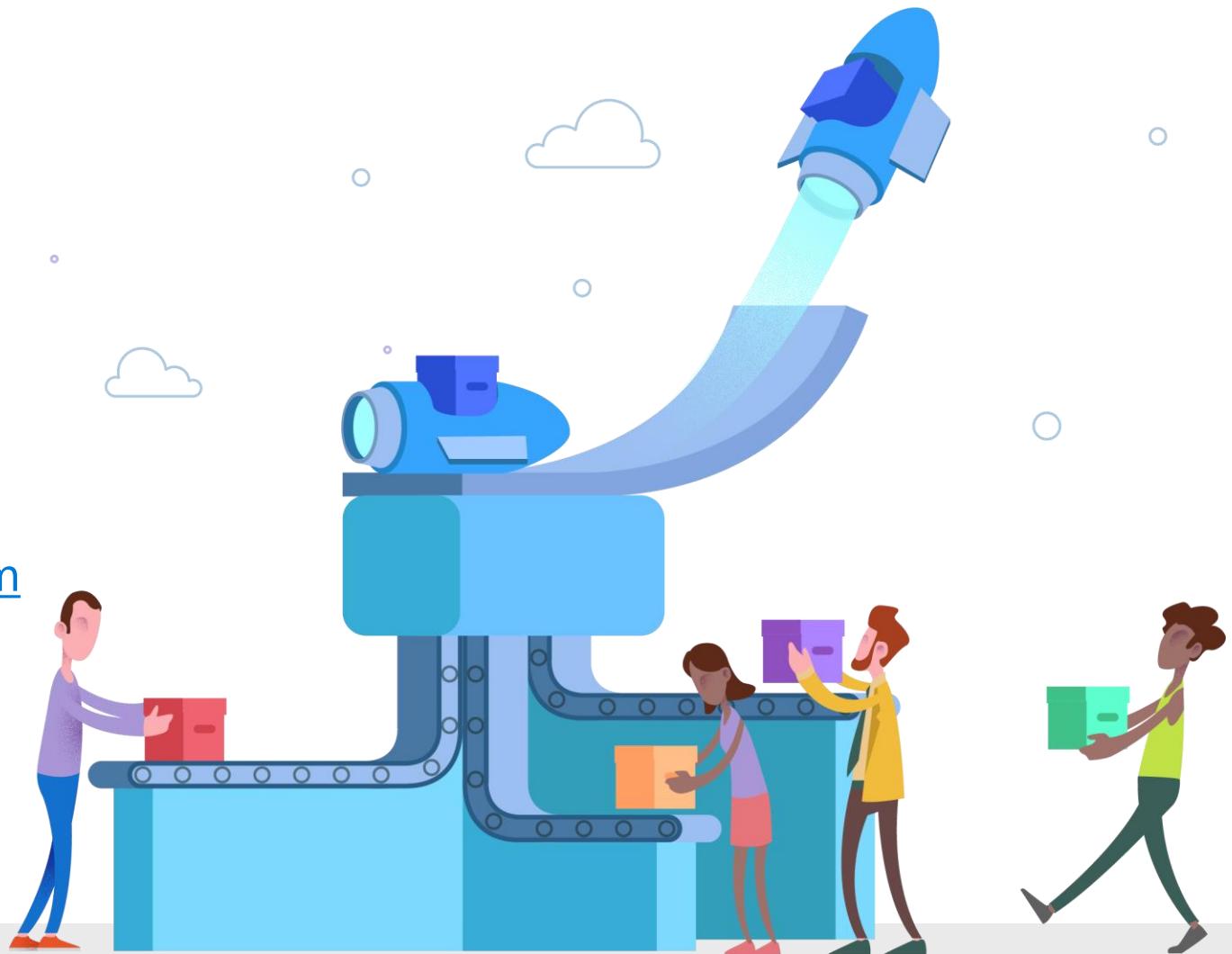
@AzureDevOps



<https://aka.ms/AzureDevOpsForum>



<https://aka.ms/DevOpsBlog/>



Additional resources

- [Introducing Azure DevOps blog article](#)
- [What's new in Azure DevOps Launch Update](#)
- [Announcing Azure Pipelines with unlimited CI/CD minutes for open source](#)
- [Azure Pipelines is the CI/CD solution for any language, any platform, any cloud](#)
- [Deep dive into Azure Artifacts](#)
- [Deep dive into Azure Test Plans](#)
- [Deep dive into Azure Repos](#)
- [Deep dive into Azure Boards](#)

Thank You

ευχαριστώ Salamat Po متشرّم شكرًا Grazie

благодаря ありがとうございます Kiitos Teşekkürler 谢谢

ឃុំបញ្ជីណូរវាំប Obrigado شكريه Terima Kasih Dziękuję

Hvala Köszönöm Tak Dank u wel дякую Tack

Mulțumesc спасибо Danke Cám ơn Gracias

多謝晒 Ďakujem הַתֵּה දෙන්ගි Děkuji 감사합니다

