

Application Innovation

Accelerating your
Digital Transformation Journey

Dennis Mulder CTO – Microsoft Netherlands



MULTI-DEVICE, MULTI-SENSE

experiences span all devices and all senses

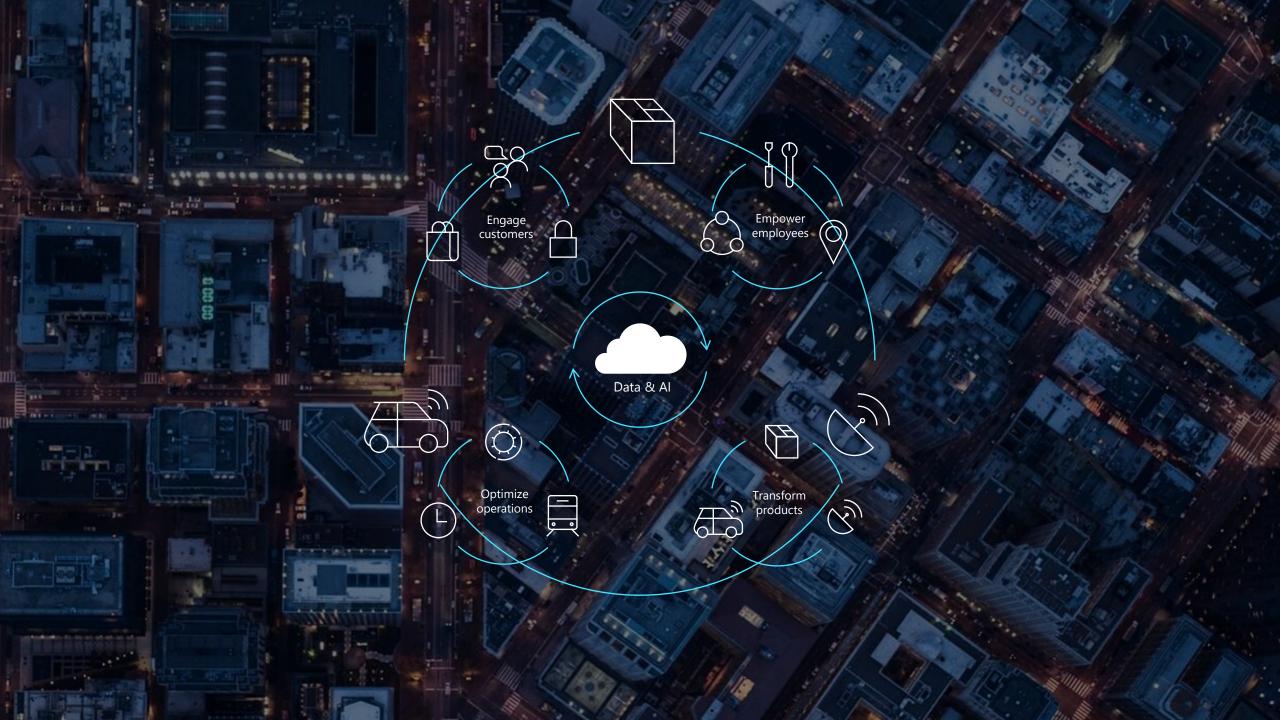
UBIQUITOUS COMPUTING

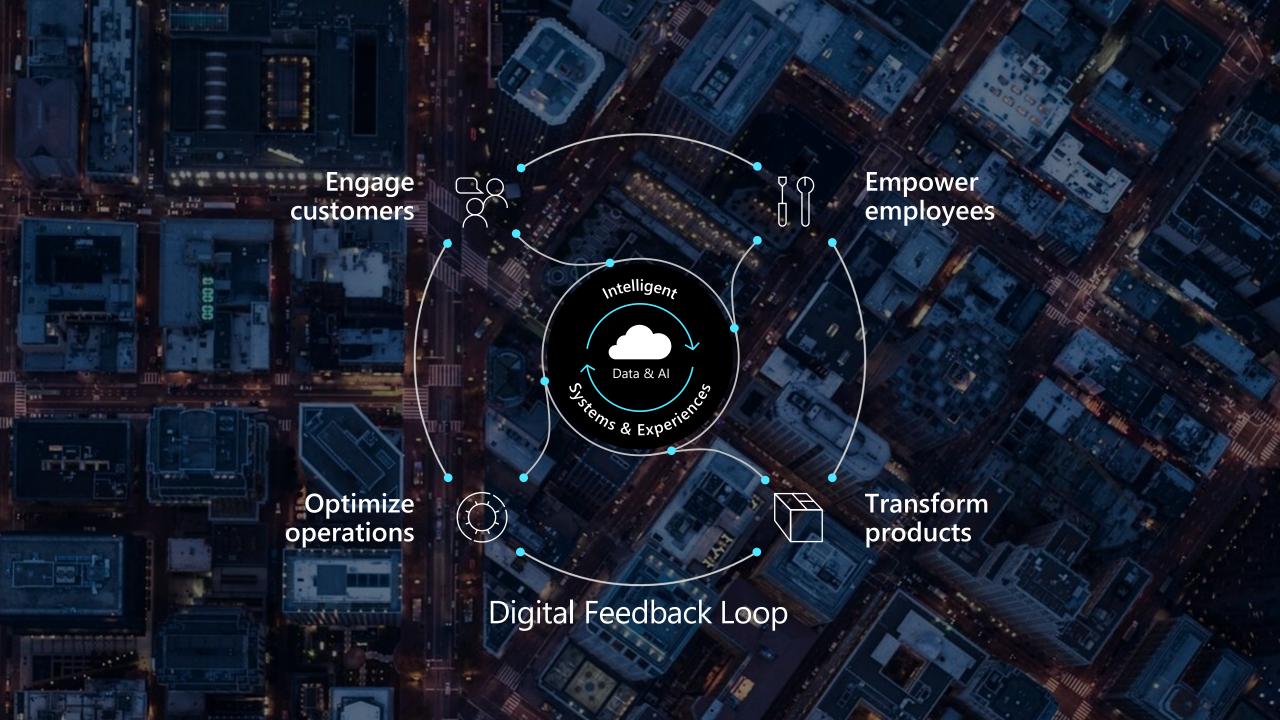
manage the complexity of distributed computing and billions of events

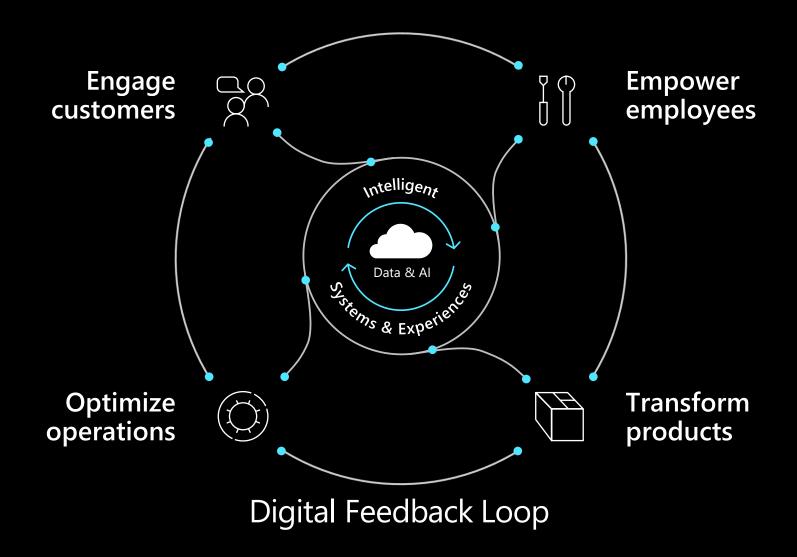
INTELLIGENCE LED

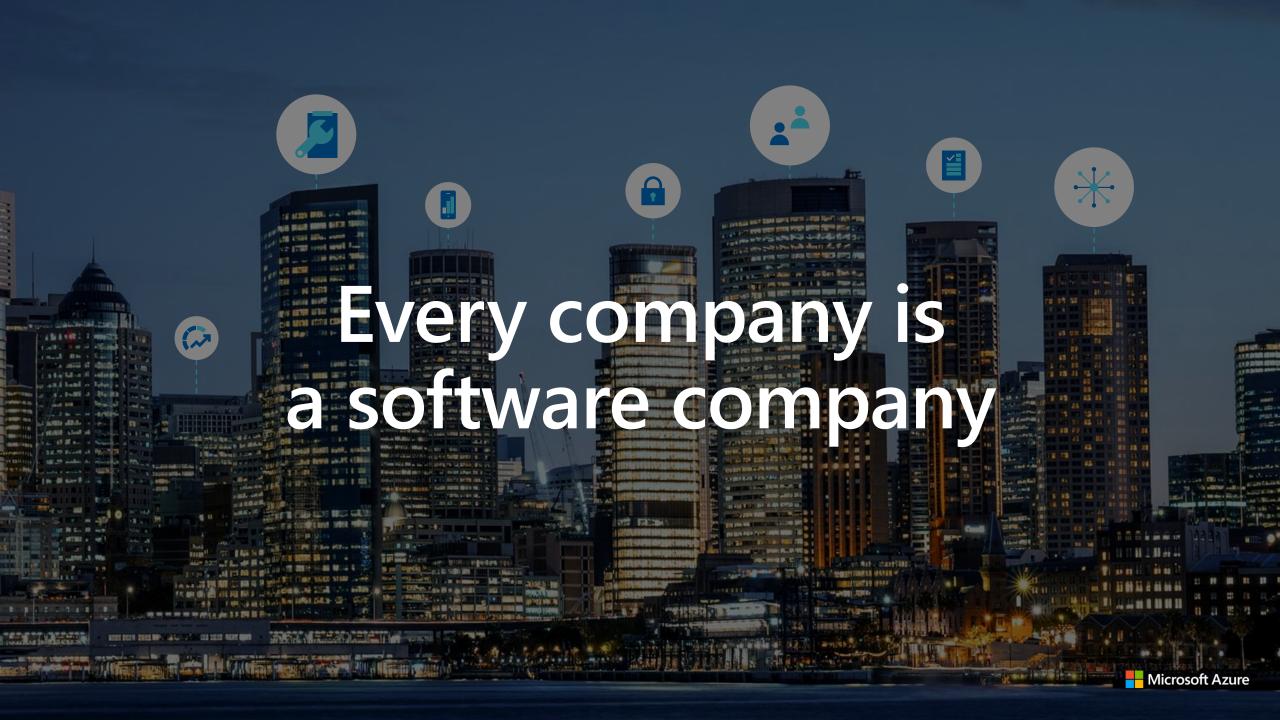
infused with the ability to reason











Every company wants to digitally transform

However, realizing true business value from software remains challenging

20M+

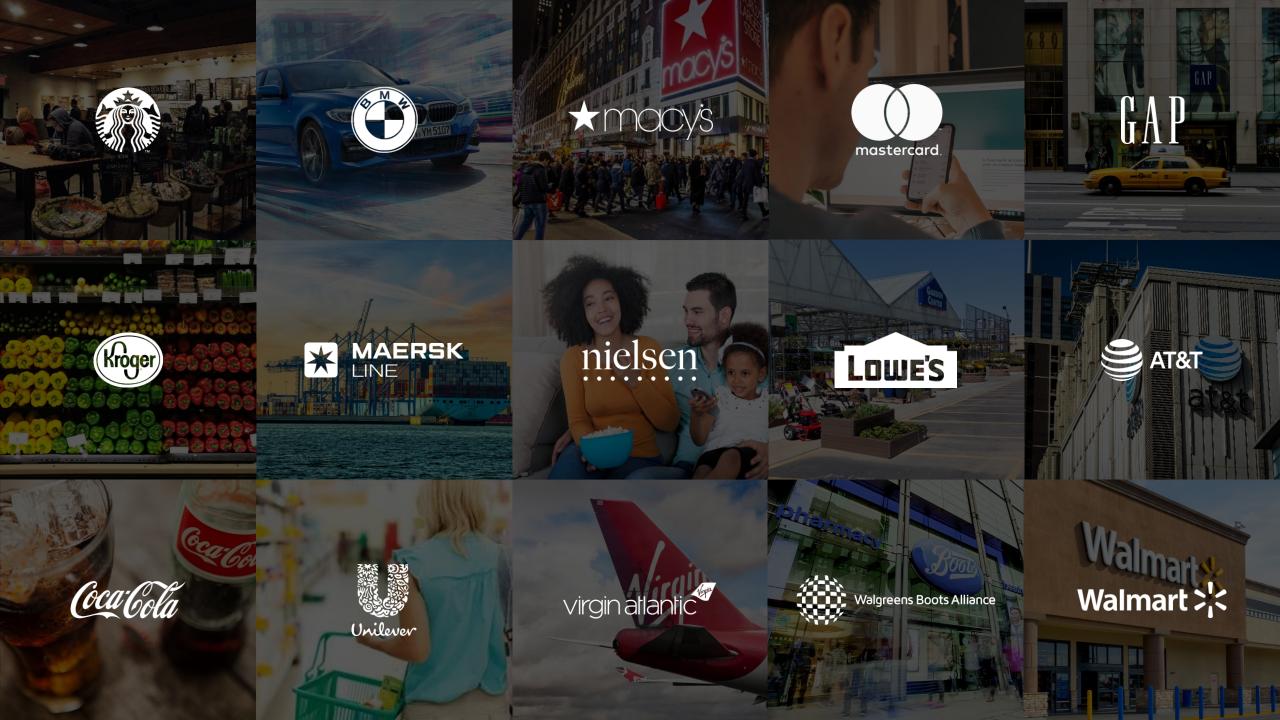
Software engineers worldwide

50%

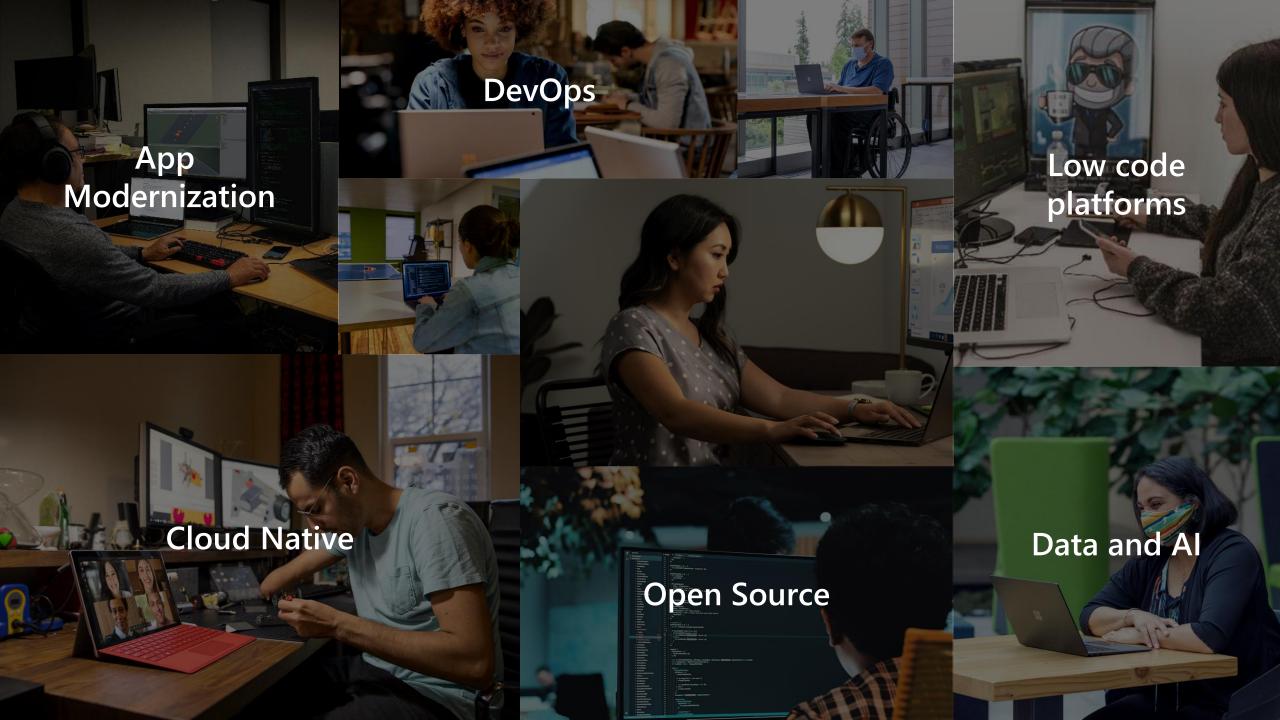
Outside of tech industry

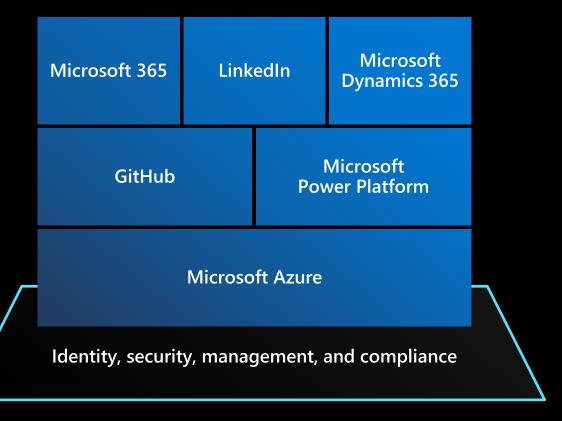
70%

of digital transformation initiatives do not achieve targeted outcomes









Innovation approach

Horizon 3

Horizon 2

Quantum Computing
Glass Storage

Horizon 1

Artificial Intelligence Mixed Reality

Cloud Infrastructure Managed databases

Companies with top Developer Velocity Index (DVI) outperform the market

4-5x

Higher revenue growth

55%

Higher innovation¹

McKinsey & Company: Driving business outcomes through Developer Velocity 2020 1 Measured by level of adoption of new technologies and ability to innovate faster and beat competition through innovation led growth





What is Developer Velocity?

Driving business performance through software development by empowering developers, creating the right environment for them to innovate, and removing points of friction.

azure.com/developervelocity

Architecture
Infrastructure and platform
Testing
Tools



Developer Velocity Index (DVI)

Engineering practices
Security and compliance
Open source, inner source
Agile team practices



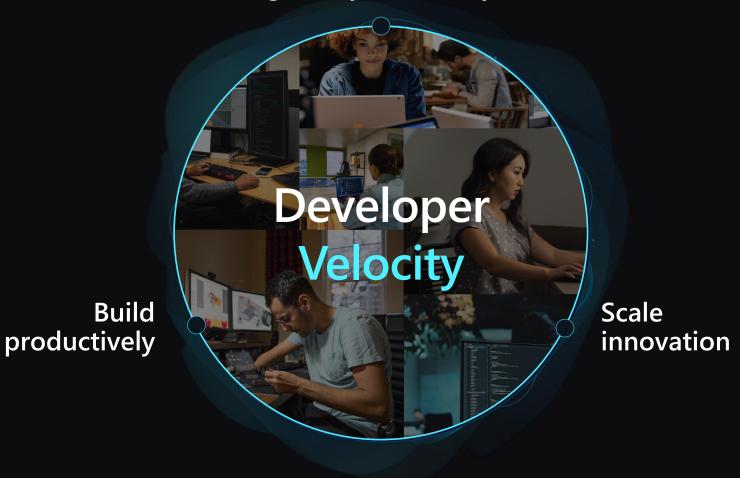


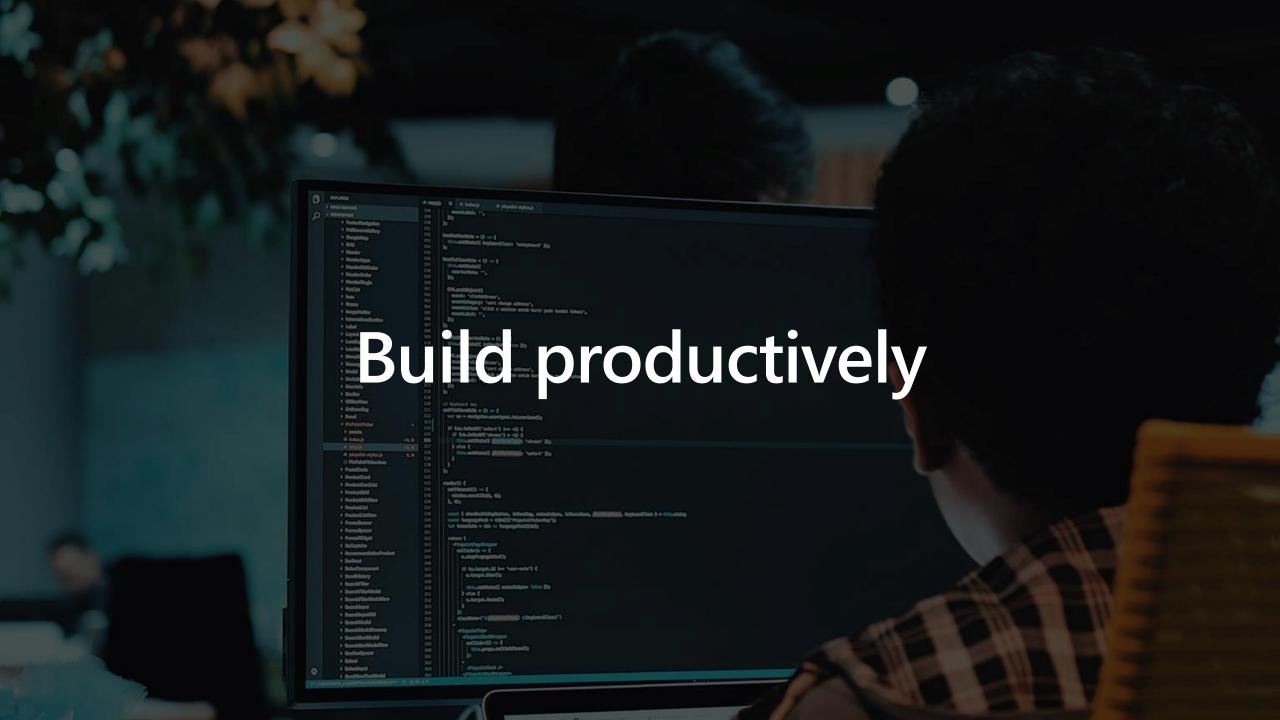
Team characteristics
Product management
Organizational agility
Talent management
Remote work

Culture

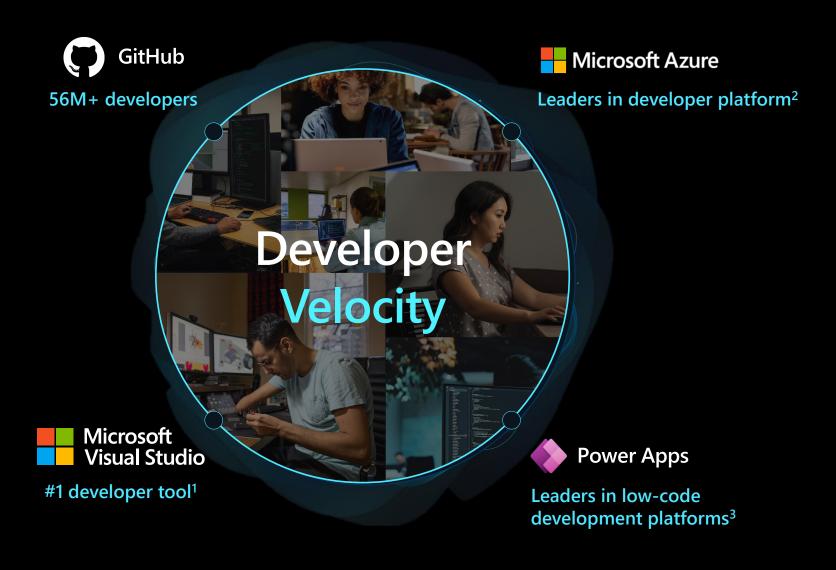
DVI is calculated as a weighted average of the scores for DV drivers across various dimensions identified by McKinsey & Co., as key factors impacting software development

Collaborate globally & securely





Unleash the full potential of your developers with a powerful toolkit



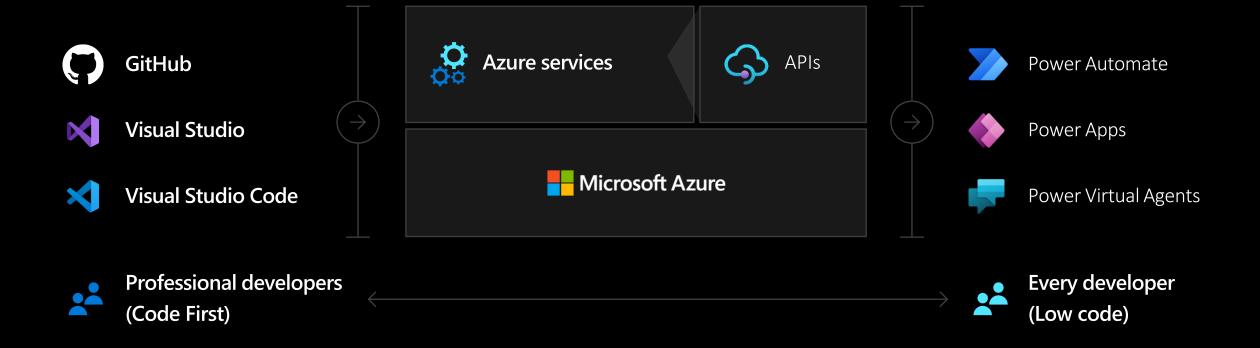


^{1:} Stack Overflow: Stack Overflow Developer Survey, 2019

^{2:} Forrester: Forrester Wave for Public Cloud Development and Infrastructure Platforms, and, Public Cloud Development Platforms, Q1 2020

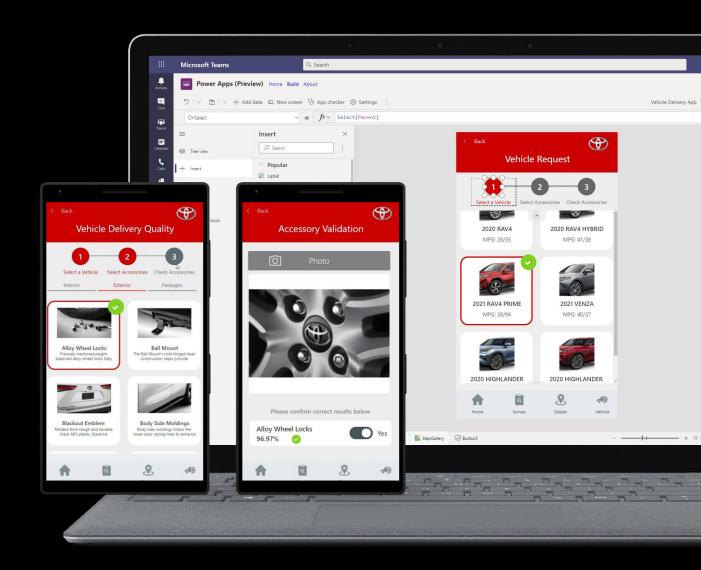
^{3:} Forrester Wave for Low-Code Development Platforms, 2019

Use the right tools for the right job



Power Apps

- Built-in CI/CD with GitHub Actions
- API management support for custom connectors
- Power Virtual Agents extension with Bot Framework







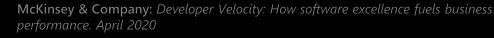
Open source is the biggest differentiator for organizations

+30%

more innovative

+20%

developer satisfaction and retention rates









The largest developer community on the planet

GitHub



Collaboration

Attract and retain the best talent with tools developers know and love



Security

Securely integrate and innovate faster with the latest open source code in your software



DevOps

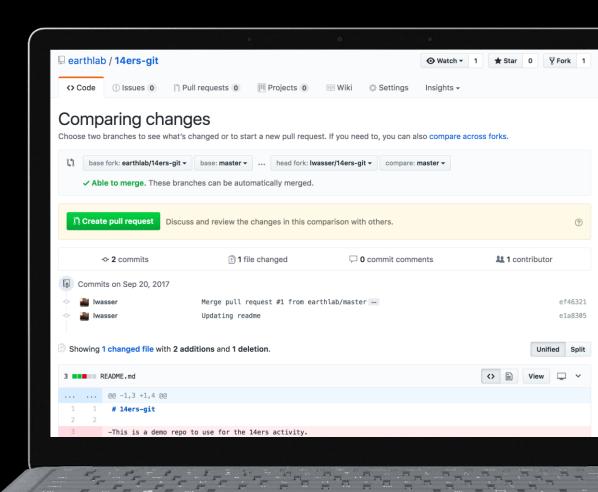
Streamline and automate the deployment process to save time and money



Collaborate with GitHub

Bring open source code, culture, and best practices into your organization

- Increased collaboration
 Empower teams to collaborate within your organization
- Breaking silos
 Simplified collaboration across teams, sharing of knowledge, improved code reuse, and secured workflows
- Higher developer satisfaction Leveraging inner source and open source practices increases developers' satisfaction, enabling them to work on interest projects and increase their skills









Public cloud adoption is key for Developer Velocity for non-software companies

Application modernization



Lift and shift with virtual machines

Marketplace images and solution templates



Modernize using containers

Azure Kubernetes Service Azure Red Hat OpenShift



Fully managed PaaS for .NET & Java

Azure App Service Azure Spring Cloud

Control <

Productivity



Managed databases

Azure SQL Database | PostgreSQL | MySQL | Cosmos DB



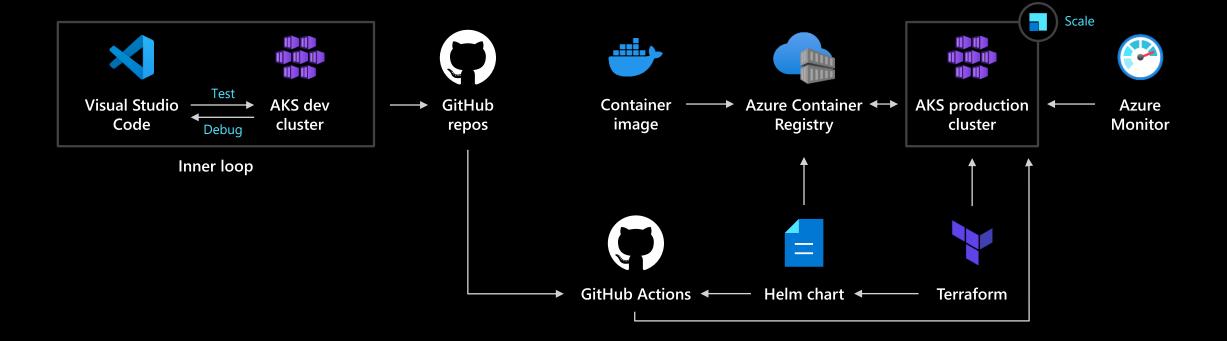
DevOps

VS Code | GitHub | Plugins for IntelliJ and Eclipse Integrations for Maven, Gradle, and Jenkins

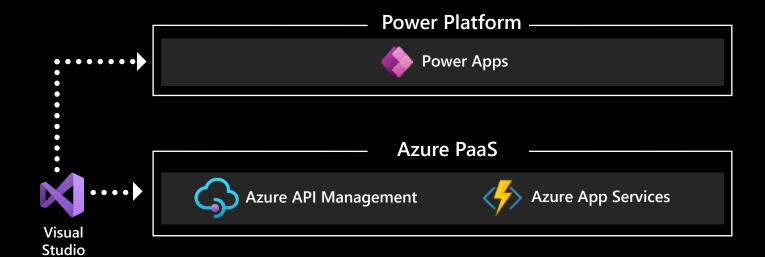


Modern application pattern

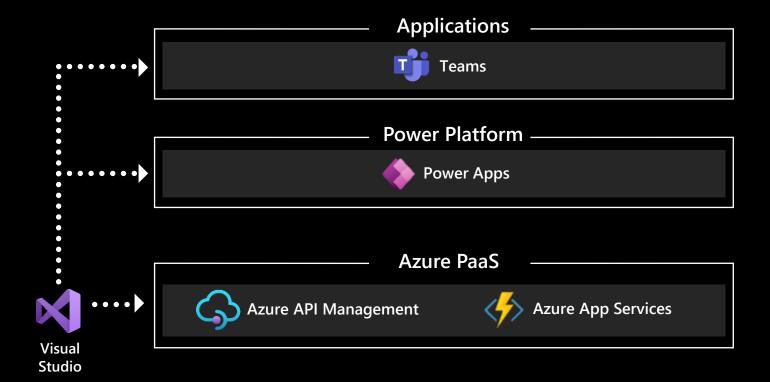
Containerized application development



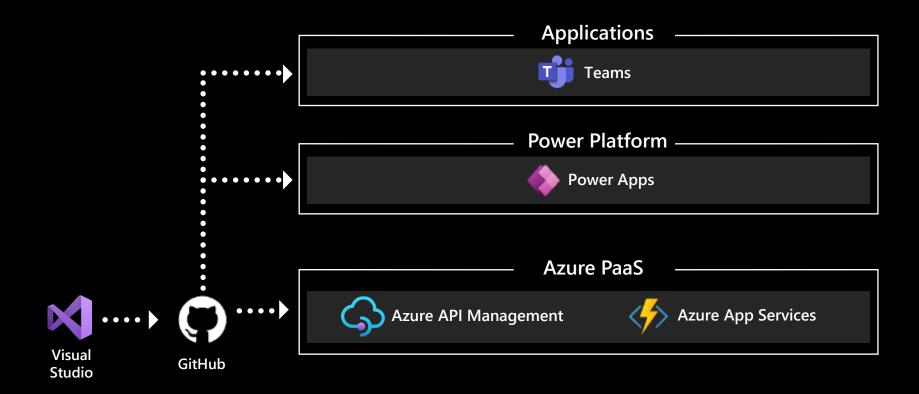
Low code to serverless



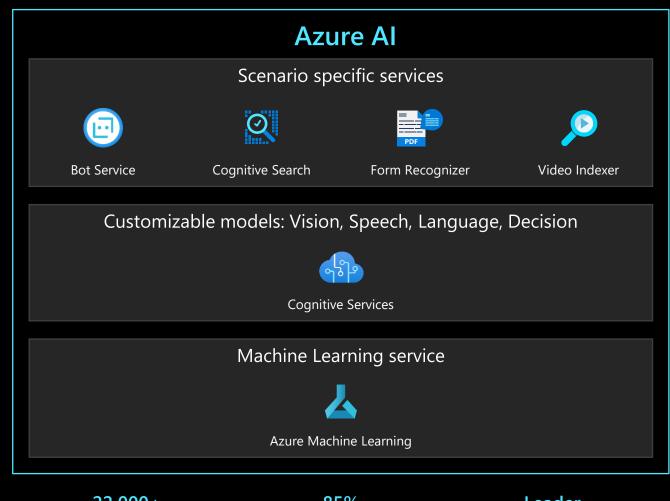
Teams to low code to serverless



Teams to low code to serverless with devops



Al on Azure



22,000 + paying customers

85% of Fortune 100 companies use Azure Al Leader recognized by top industry analysts



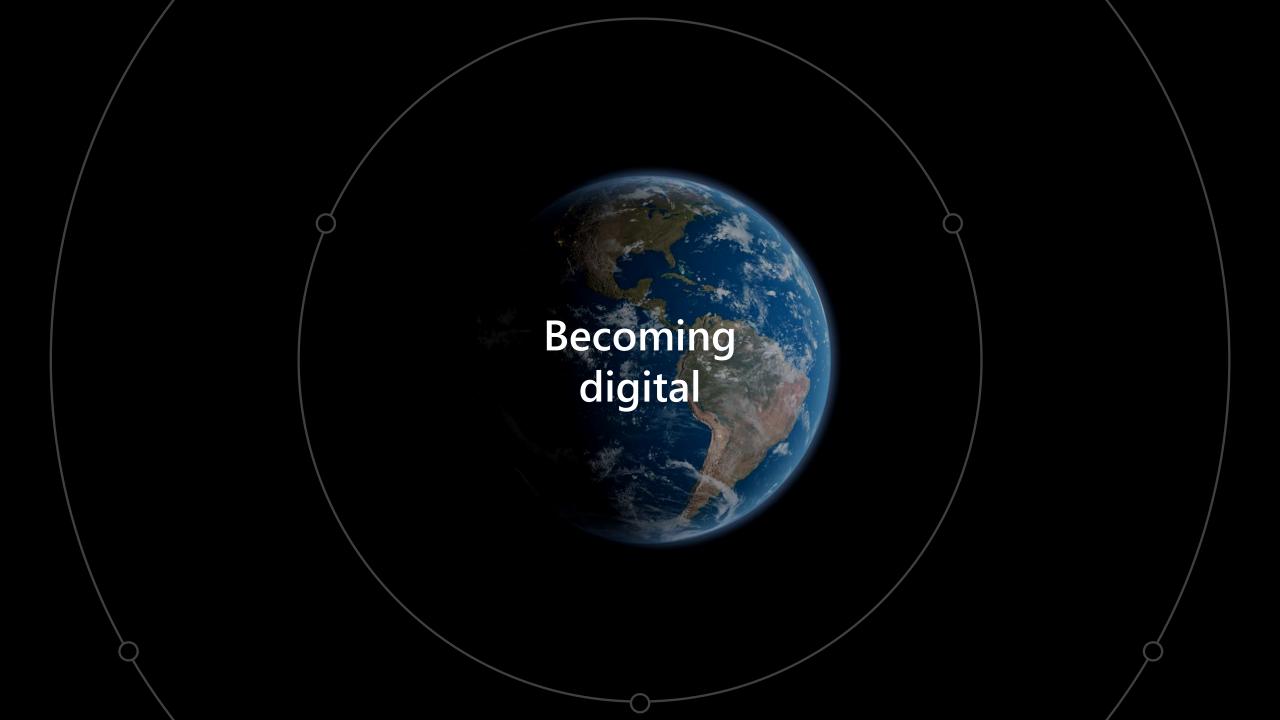


Companies that empower developers with low-code platforms score higher on innovation



Our mission

Empower every person and every organization on the planet to achieve more



Thank you