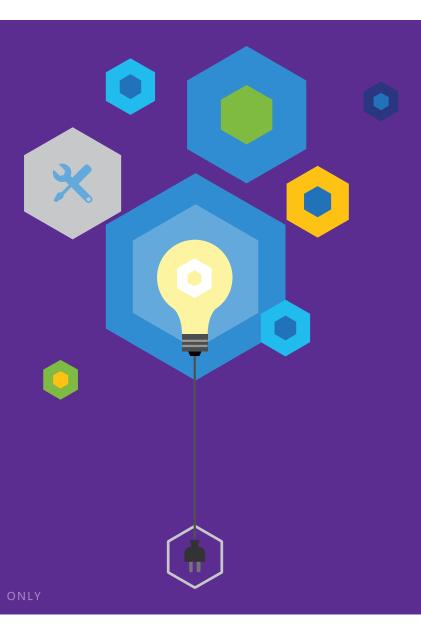
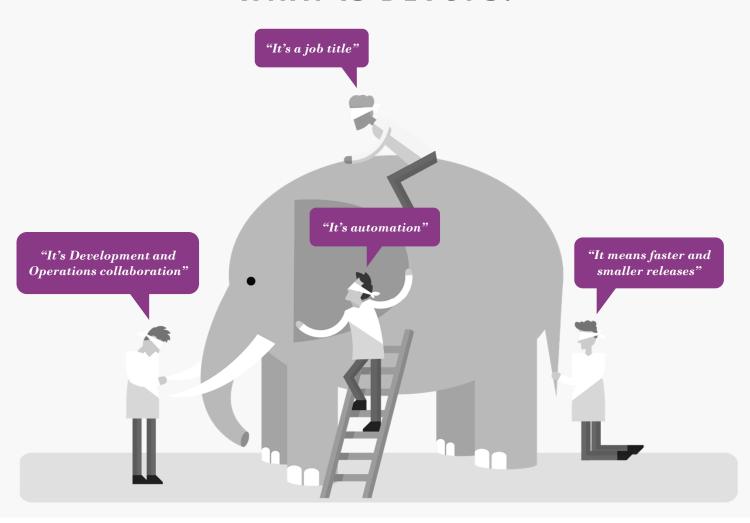


What is DevOps



WHAT IS DEVOPS?



DEVOPS BENEFITS

STRONG IT PERFORMANCE IS A COMPETITIVE ADVANTAGE

Firms with high-performing IT organizations were 2x as likely to exceed their profitability, market share, and productivity goals



DEPLOY CODE 30X FASTER

... and with 200x shorter lead time when compared to their lower-performing peers

DEVOPS PRACTICES
IMPROVE IT PERFORMANCE

HAVE 60X FEWER FAILURES

... and recover from failure 168X faster when compared to their lower-performing peers



PEOPLE

COLLABORATE MORE
SHARE COMMON GOALS
FOCUS ON IMPROVEMENT

BRINGING PEOPLE TOGETHER

THE MICROSOFT DEVOPS STORY

THE DEVOPS CONVERSATION



PROCESS

ELIMINATE WASTE
INCREASE EFFICIENCY
STREAMLINE FEEDBACK

DELIVERING VALUE FASTER



TOOLS

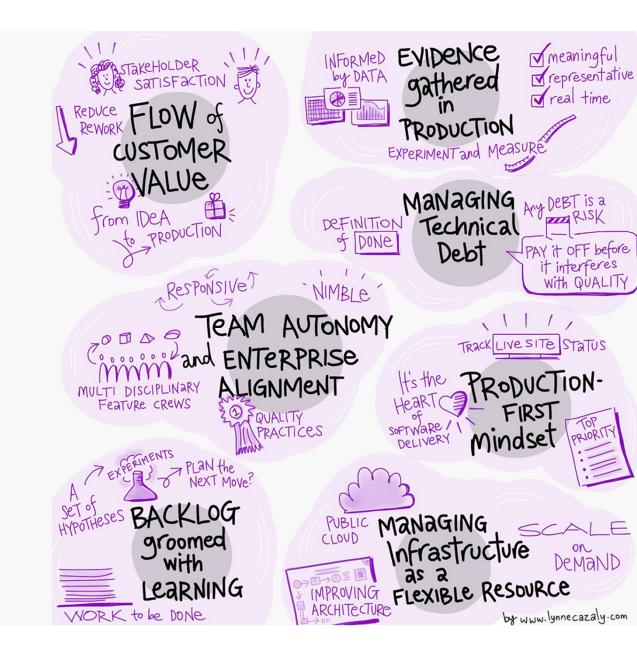
SUPPORT PROCESSES
ENABLE COLLABORATION
FACILITATE EXPERIMENTATION

EXECUTING THE DEVOPS STRATEGY

THE MICROSOFT DEVOPS STORY

OUR 7 HABITS FOR DEVOPS SUCCESS

Based on our experiences from our own transformation to a DevOps culture, we have identified **DevOps habits** and related **DevOps practices** that will lead to a true shift to DevOps in organizations of any size.



DEVOPS PRACTICES

PRACTICES:

Automated Testing Continuous Integration Continuous Deployment Release Management

PRACTICES:

Usage Monitoring Telemetry Collection **Testing in Production** Stakeholder Feedback

PRACTICES:

Code Reviews **Automated Testing** Continuous Measurement PRACTICES:

Application Performance Management Infrastructure as Code Continuous Deployment Release Management Configuration Management **Automated Recovery**

FLOW OF CUSTOMER VALUE

TEAM AUTONOMY and ENTERPRISE ALIGNMENT

BACKLOG groomed with LEARNING

EVIDENCE gathered in **PRODUCTION**

TECHNICAL DEBT

MANAGING PRODUCTION FIRST MINDSET

INFRA-STRUCTURE as a FLEXIBLE RESOURCE

PRACTICES:

Automated Testing Continuous Integration Continuous Deployment Release Management

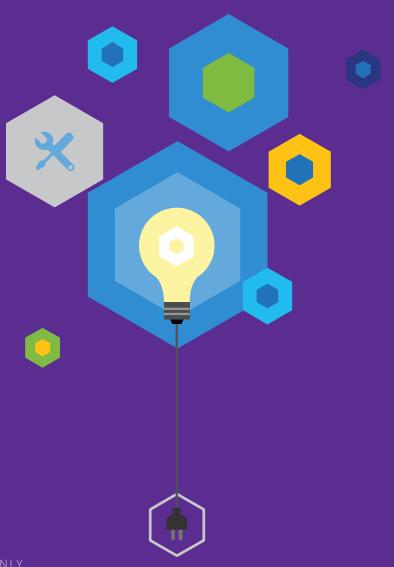
PRACTICES:

Testing in Production Usage Monitoring User Telemetry Stakeholder feedback Feature flags

PRACTICES:

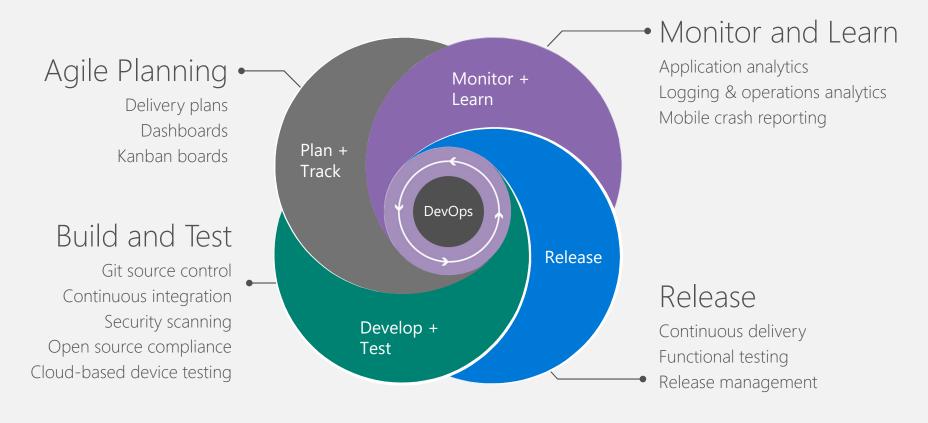
Application Performance Management Infrastructure as Code Continuous Delivery Release Management **Configuration Management Automated Recovery**

DevOps and Customer needs



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DevOps Enterprise-grade, trusted & scalable



Company needs

A development platform for modern software development teams

Any developer, any language, any platform







ANY PLATFORM ANY DEVELOPER







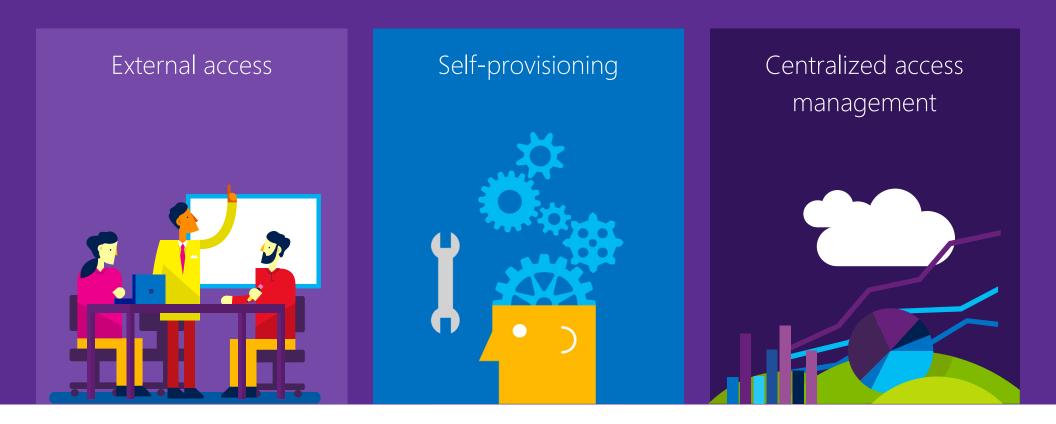


.NET C++ JAVASCRIPT PHP

PYTHON NODE.JS R CORDOVA UNITY

Secure, yet flexible

Global, trusted, hybrid: Azure is the cloud on your terms.



Agile for the Enterprise

VSTS and TFS provide unparalleled flexibility and traceability.

All your code is linked directly to the story, bug, or task driving the work.







Quality at the center

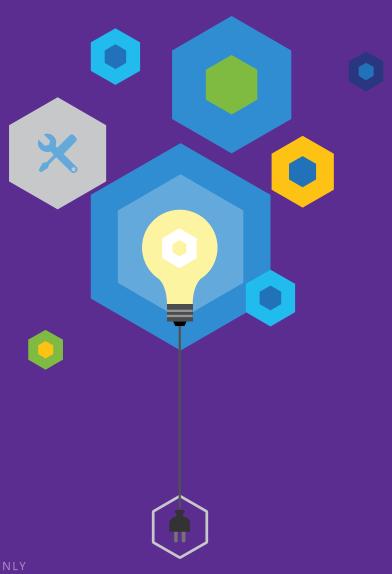
Streamline and automate the workflow between development and IT Ops and deliver higher quality software more frequently with less risk.





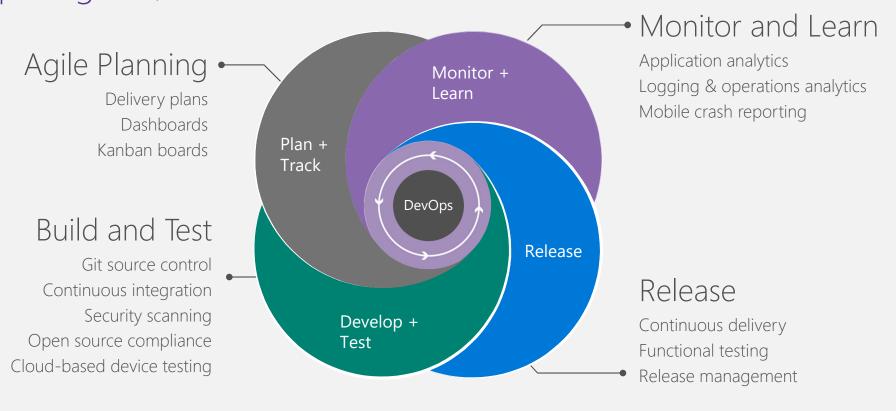


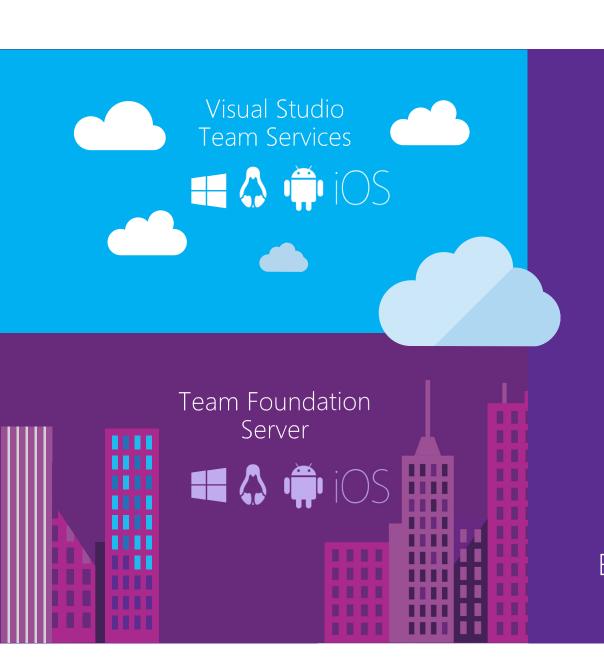
Microsoft DevOps Solution



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Microsoft DevOps Solution Enterprise-grade, trusted & scalable

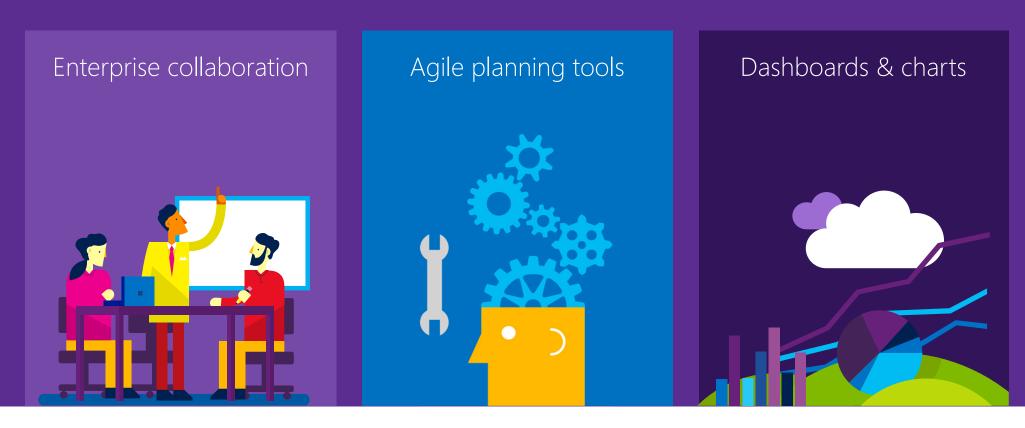




Plan & Track Work Source Code Management Package Management Quality Management Cross-platform Build Continuous Deployment Release Management Feedback Management Application Telemetry Extend, Customize & Integrate

Plan & Track Work

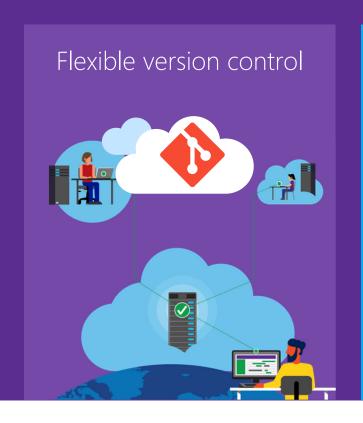
Visual Studio Team Services and Team Foundation Server give you the tools you need to effectively create, manage and deliver against your backlog.



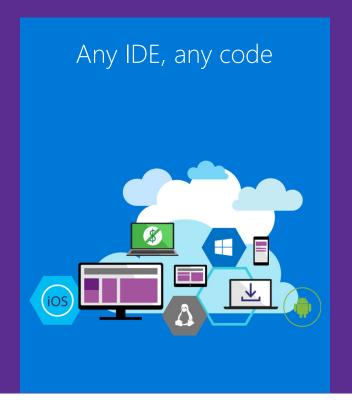
Source Code Management

VSTS and TFS provide unparalleled flexibility for your evolving codebase.

All your code is linked directly to the story, bug, or task driving the work.







Quality Management

A toolset optimized for QA professionals, giving them flexibility in how they work while at the same time keeping them in sync with the rest of the team.





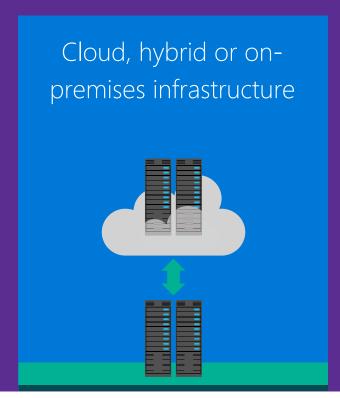


Cross-platform Build

No matter what tools you use or what language you prefer - Team Foundation Build builds your app your way, for your platforms. Just open your browser!







Continuous Delivery

Streamline and automate the workflow between development and IT Ops and deliver higher quality software more frequently with less risk.



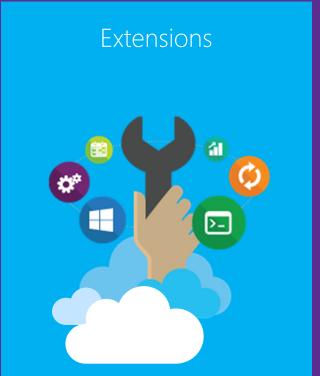




Extend, Customize & Integrate

Customize and extend the Visual Studio platform and create the perfect development environment that you'll love as much as your code.

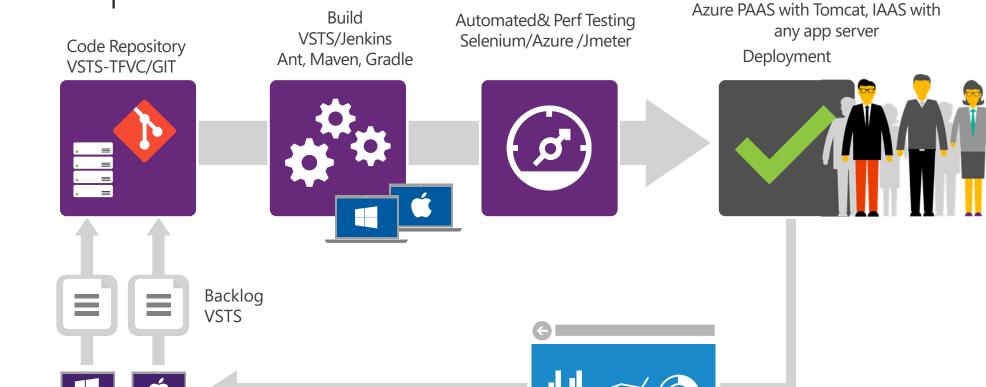






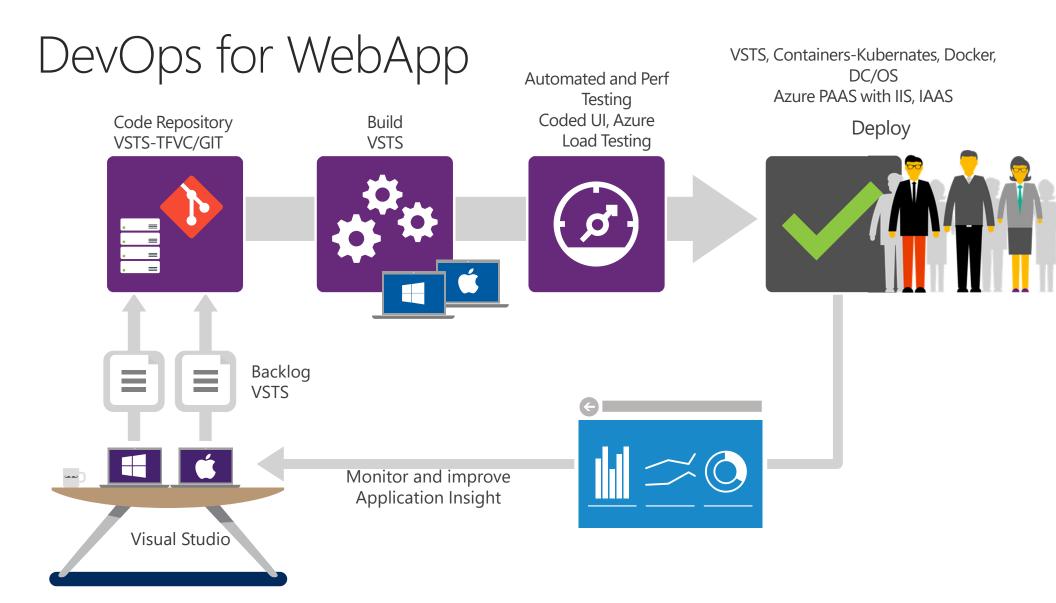
DevOps for OSS

Any IDE Eclipse/Jbuilder/Visual Studio

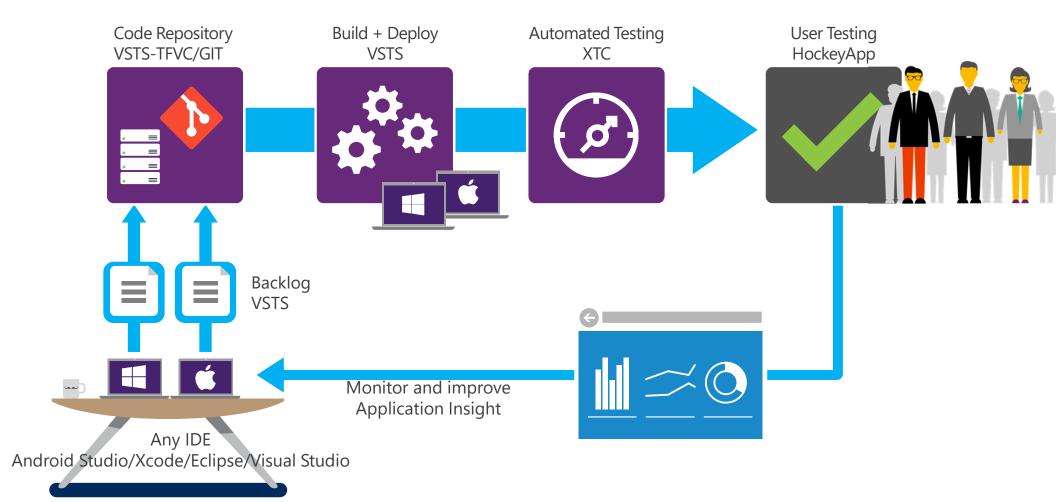


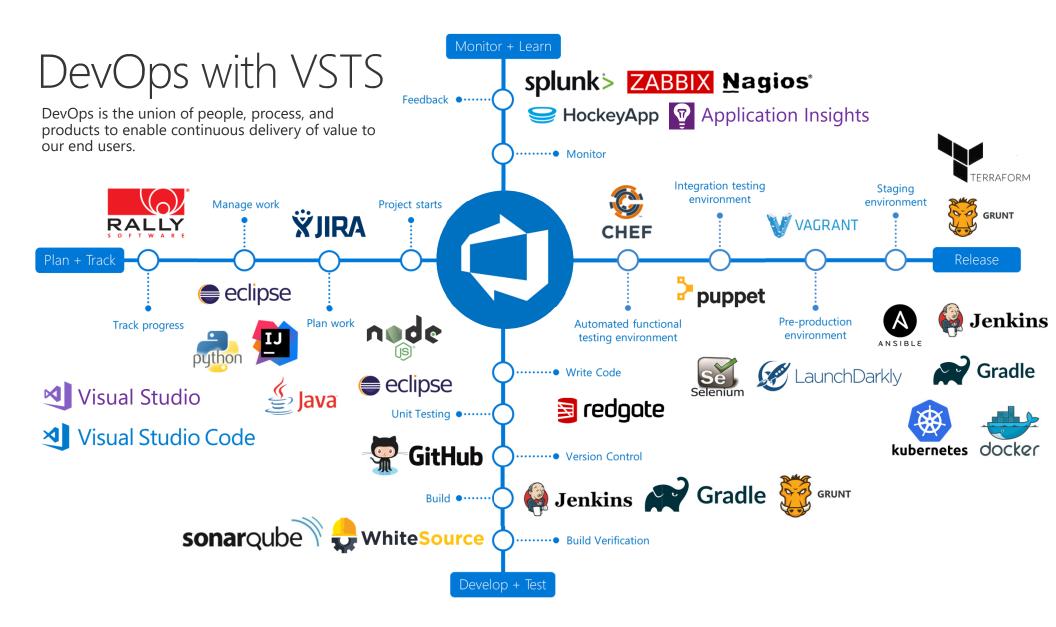
Monitor and improve Application Insight

Chef, Puppet, Tomcat, Containers-Kubernates, Docker, DC/OS



DevOps for Mobile app







Q & A

Thank you