DevOps as a Strategy for Business Agility

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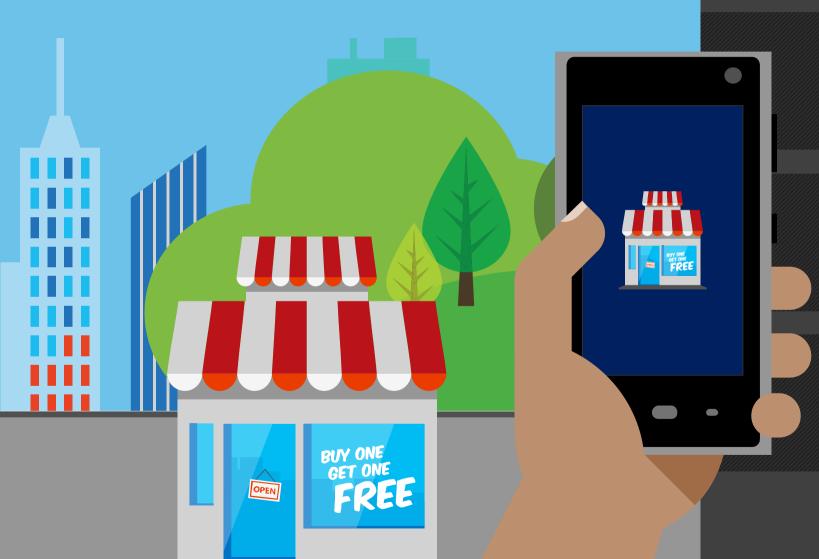
Premier Field Engineer, ModernApps







It's tough out there ...

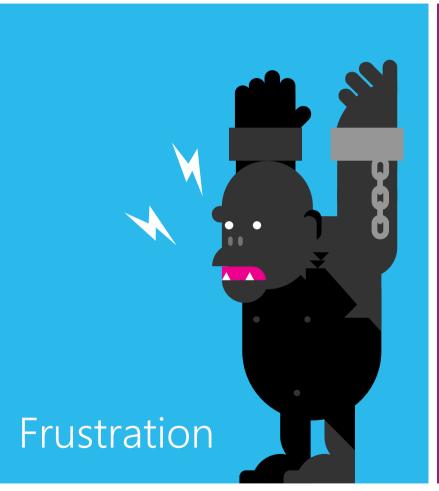


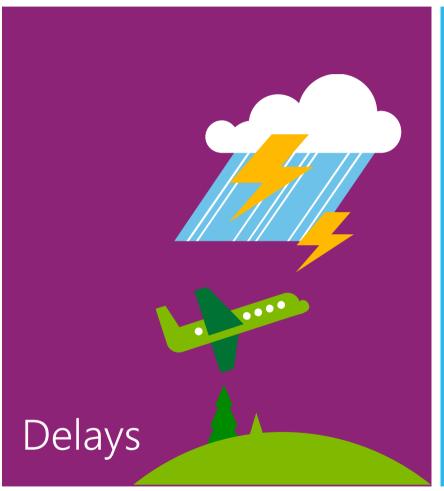
Business is faster

Competition is fiercer

Time-to-market is key

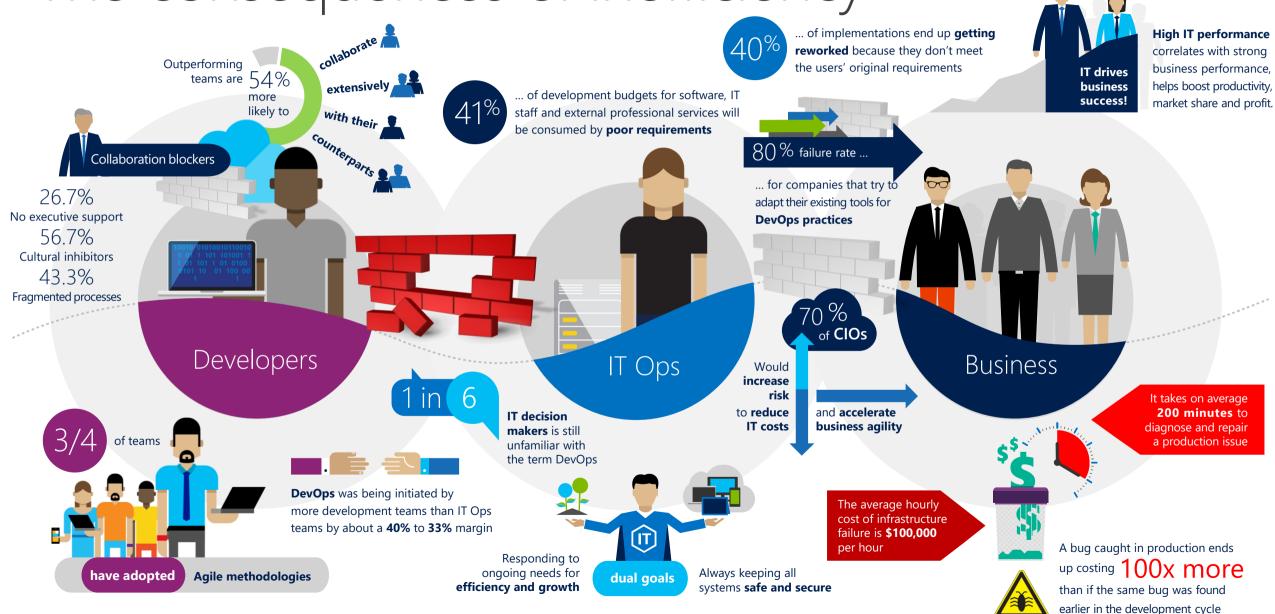
Software delivery challenges







The consequences of inefficiency



Our own journey

How we used to work

We did ask for feedback after each milestone – but we could not really react to it

For the most part, we would tell everybody "sorry" - and push things to the next release

We did find and fix bugs – without really knowing if we built the right thing in the first place

We had closed silos of information across different organizations, hurting collaboration



Where we are today

How we work now

We ship frequently with minimum friction

Build>Deploy>Test reliably, hundreds of times a day

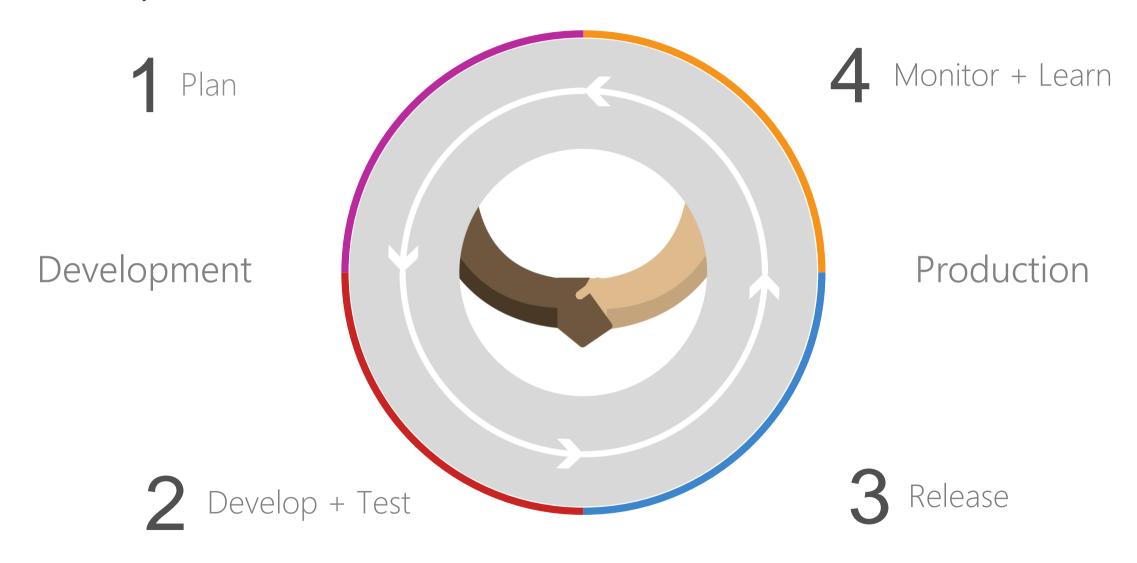
We continue to meet a rigorous on-premises quality bar

We build confidence through staging, exposure control & rich telemetry



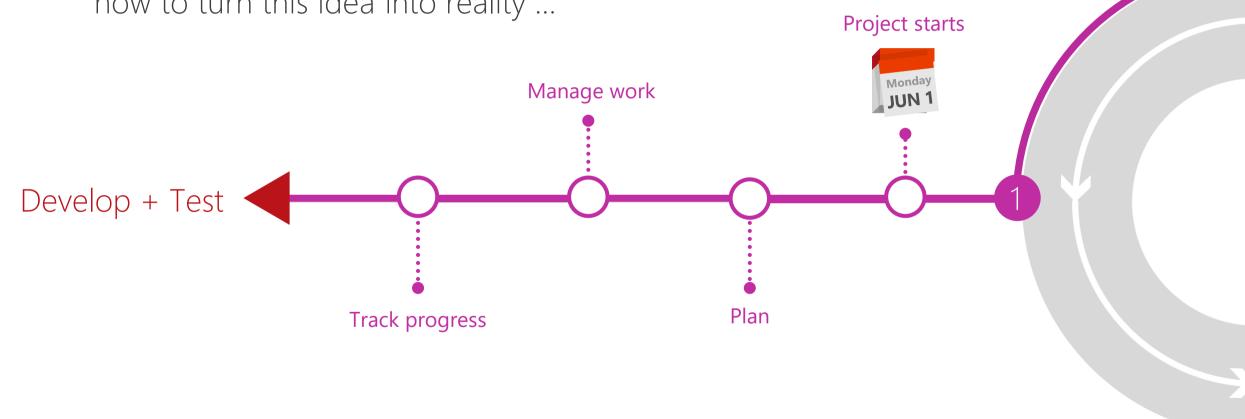
Visit http://stories.visualstudio.com to get the full story!

DevOps

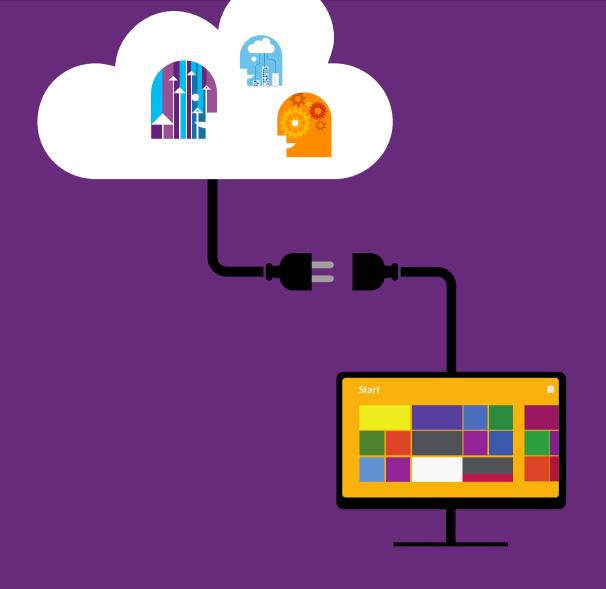




It starts with an idea – and a plan how to turn this idea into reality ...

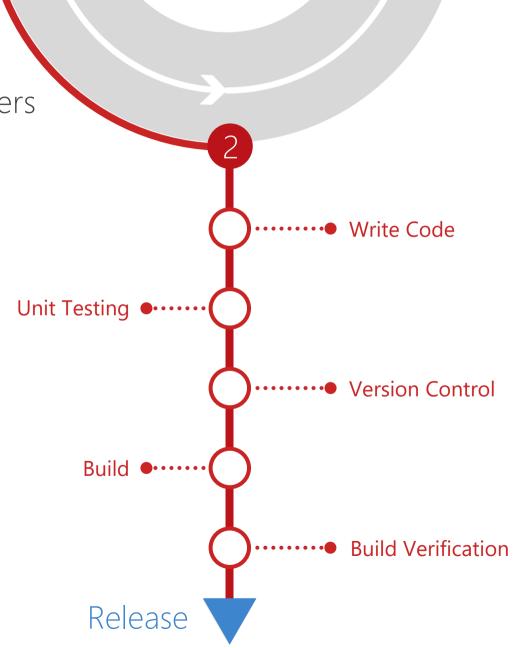


DEMO Plan

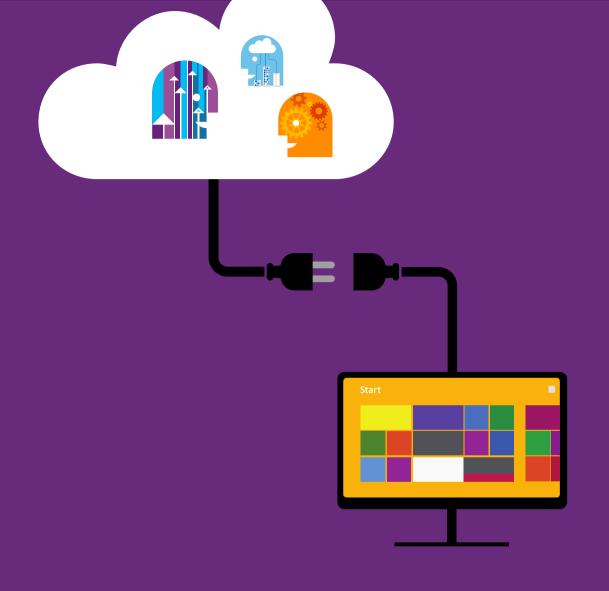


Develop + Test

Once the iteration starts, developers turn great ideas into features ...



DEMO
Develop + Test

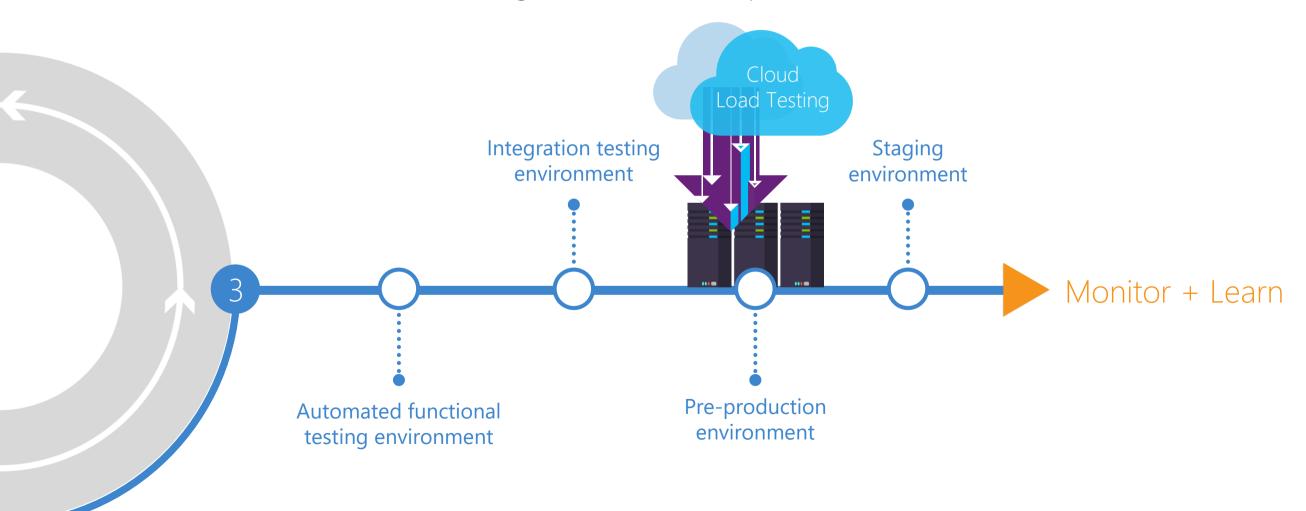




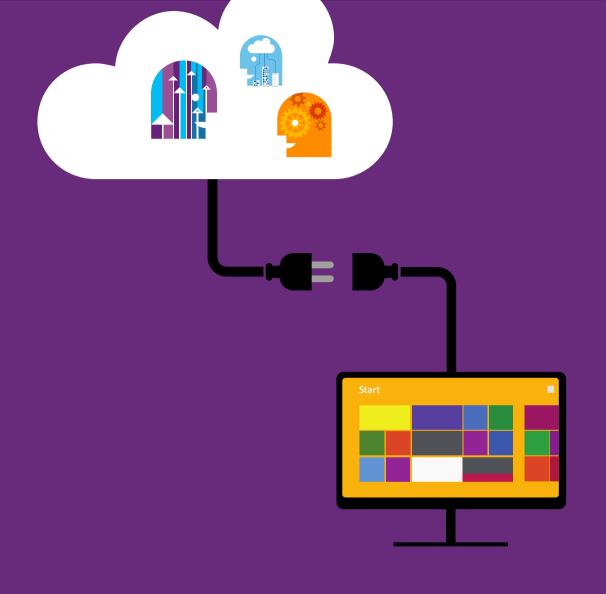


Release

When all tests pass, the build is deployed to testing environments for each stage in the release process



DEMO Release



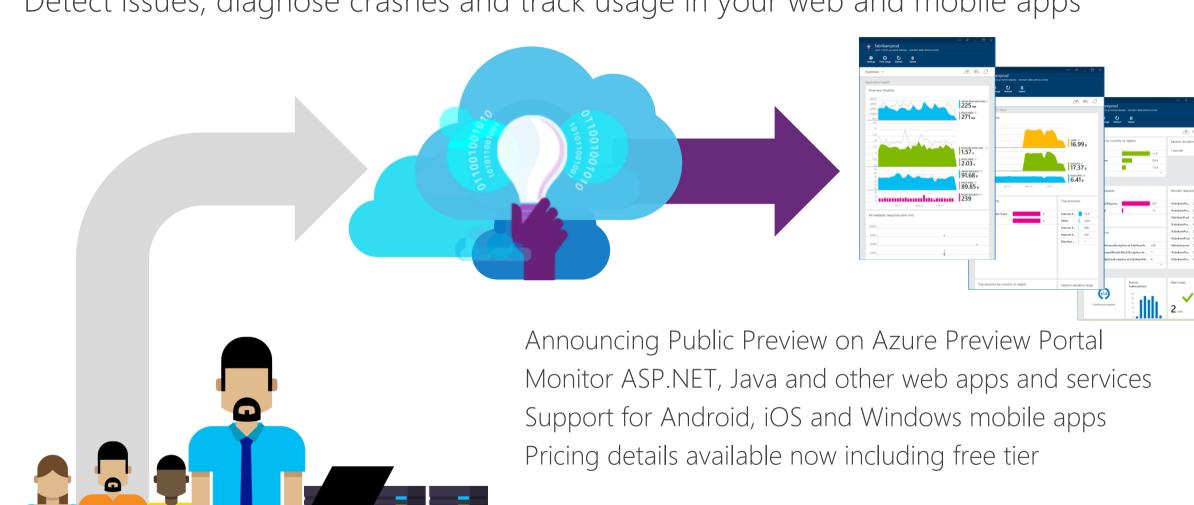
Monitor + Learn

Learn and understand how users use your app, how it reacts

and quickly fix issues and bugs Plan the next iteration Feedback •••••• Monitor

Visual Studio Application Insights

Detect issues, diagnose crashes and track usage in your web and mobile apps



Check it out! http://azure.microsoft.com/en-us/services/application-insights

Application Insights Progress – Jan'17



78K +200% in last 1 year Monthly Active Users



36K +200% in last 1 year Monthly Engaged Users



176K
Total Active Apps



1.9PB

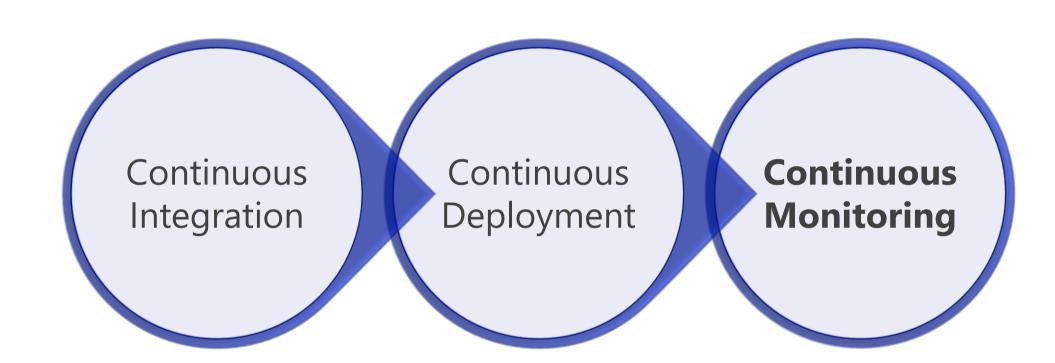
Monthly Data Ingestion



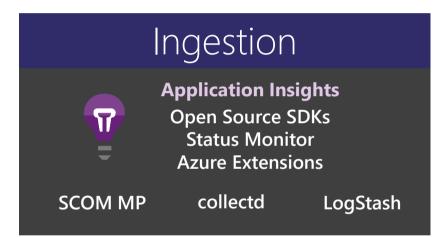
19M

Monthly Analytics Queries

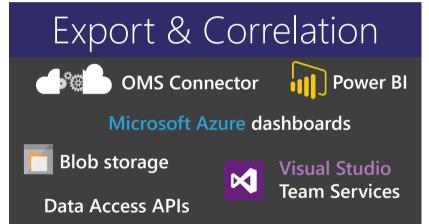
Importance in DevOps



Application Insights Ecosystem





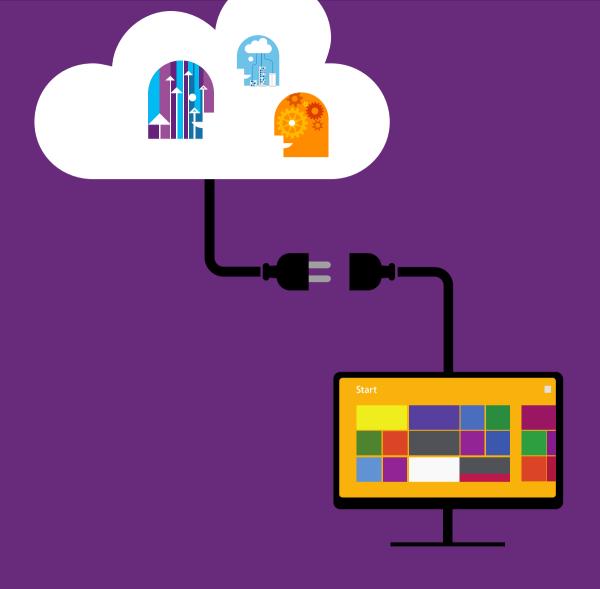


Overview Demo

- Azure Dashboard
- Live Metrics Stream
- Basic APM & Annotations
- Basic Analytics Queries



DEMO Monitor + Learn





Bridging the Gap Between App and Infra

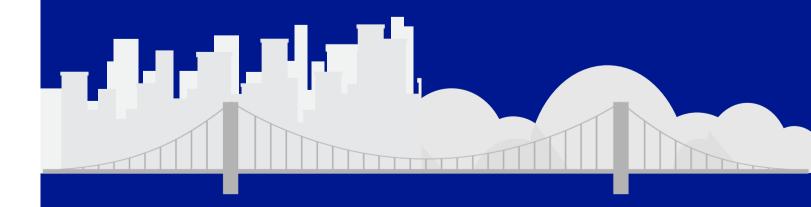
Bringing Together



Integrated experience across Dev and Ops

Address the needs of:

- **App Teams** who need application performance monitoring, diagnostics, and analytics
- Central IT teams who manage the health of systems and supporting infrastructure
- DevOps Teams who need an integrated view to how apps are impacted by underlying infrastructure

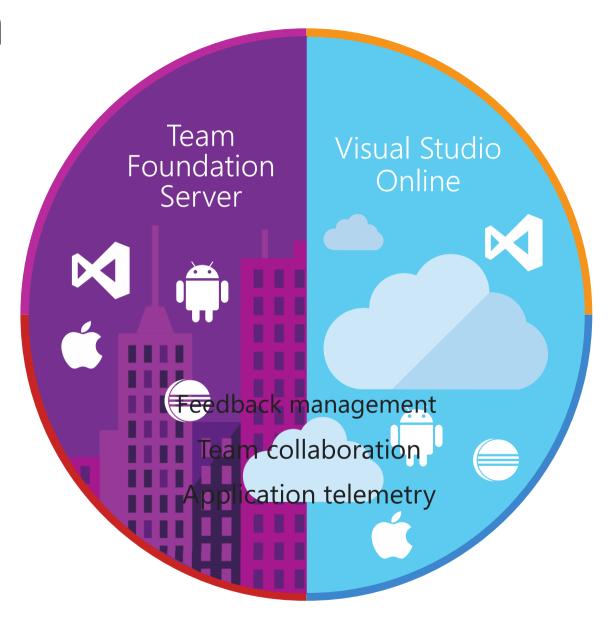


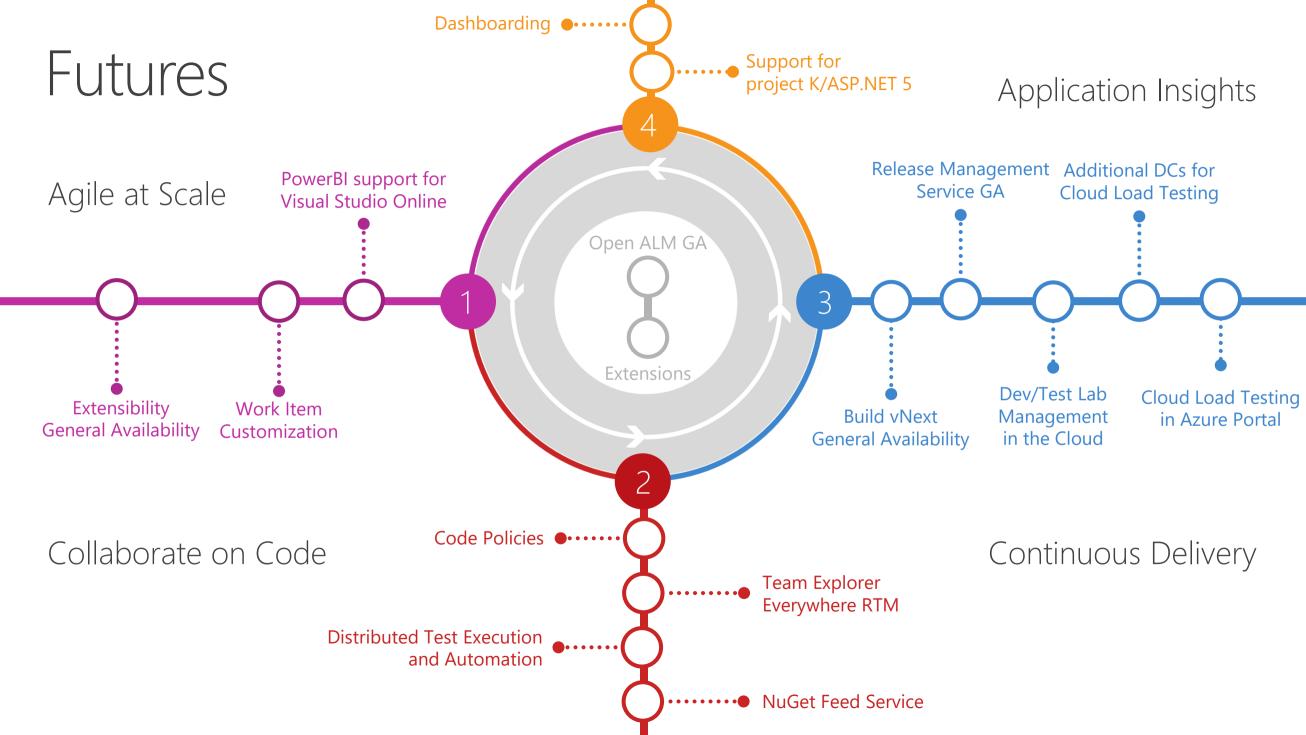
Deep Dive Demos

Smart Detection
Smart Diagnostics in Analytics
Exception Diagnostics with Application Map
Work Item Tracking in VSTS
CodeLens Integration



Our solution





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