

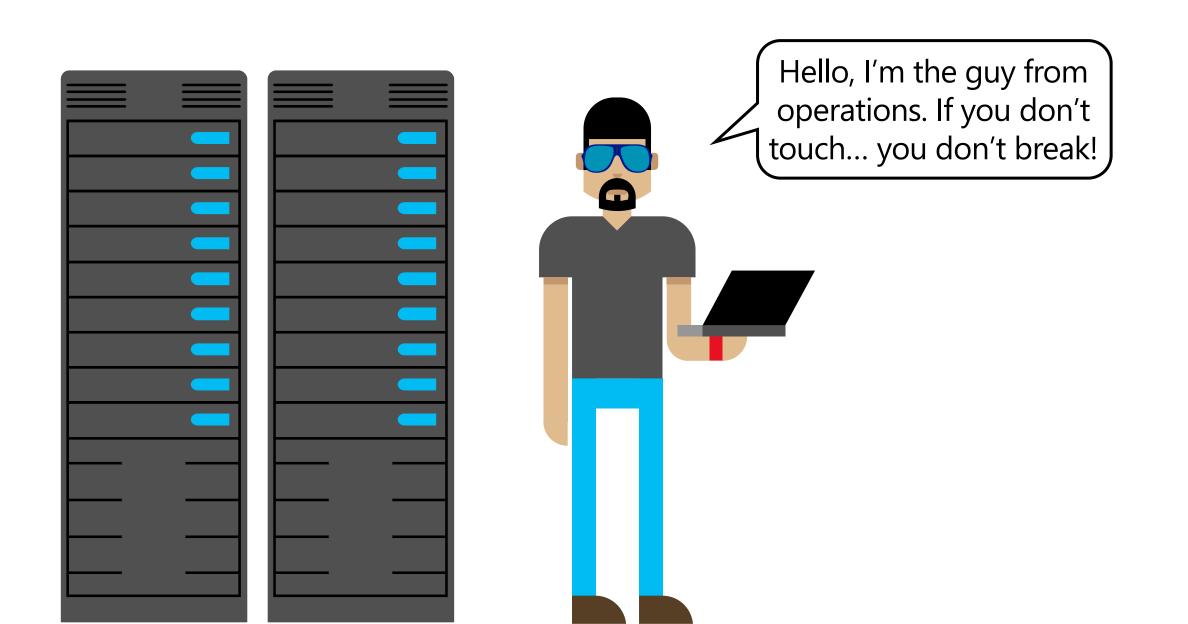


Carolina Romero + Fernando Machado Oct 3, 2015



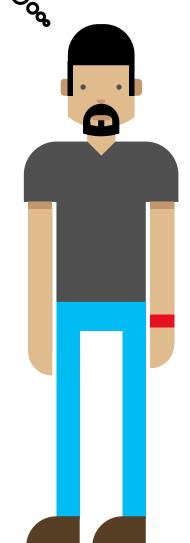






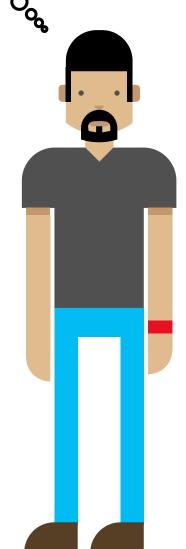


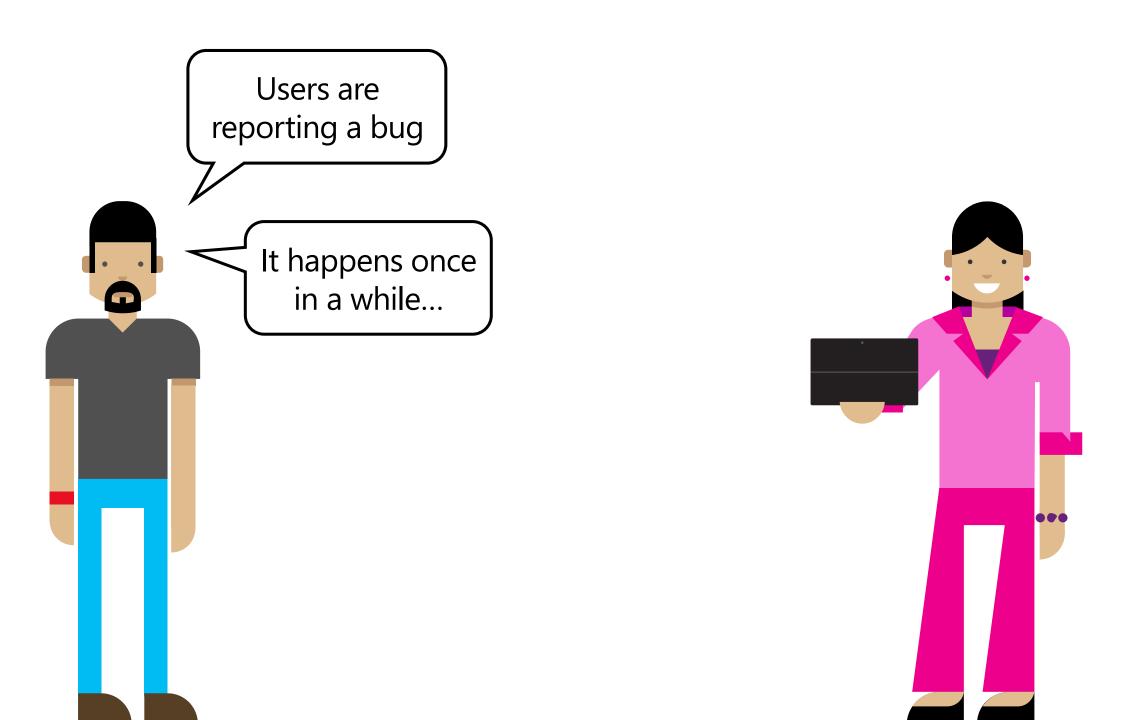
Sure... another shi@!# piece of cra@!#

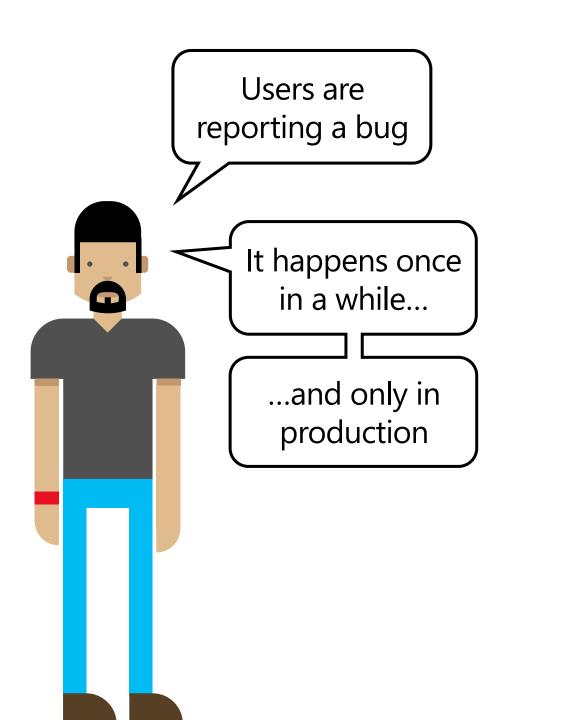




What the he@!# I'm supposed to do that







How the he@!# I'm supposed to fix that?!









Asks for solutions



Develops & tests solutions



Operates & supports solutions



Gets solutions

Functional Requirements Working Code

Bugs

Incidents

Dev

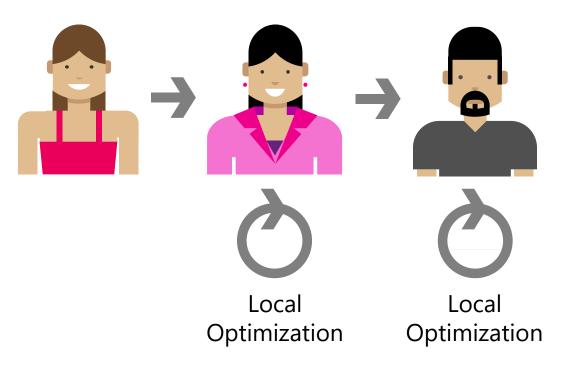
Hard to reproduce errors out of production environments

Usually long business need-to-business value delivery cycles

Ops

It's not possible to know what or how applications are doing, beyond the basics

Different applications deploy in different ways; deployment is hard, slow, and error prone



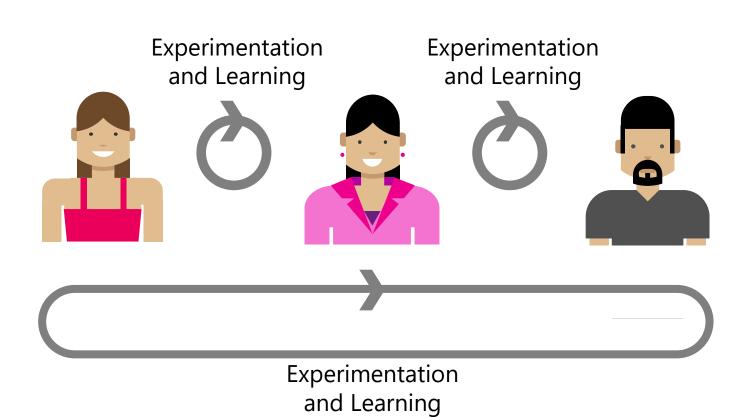


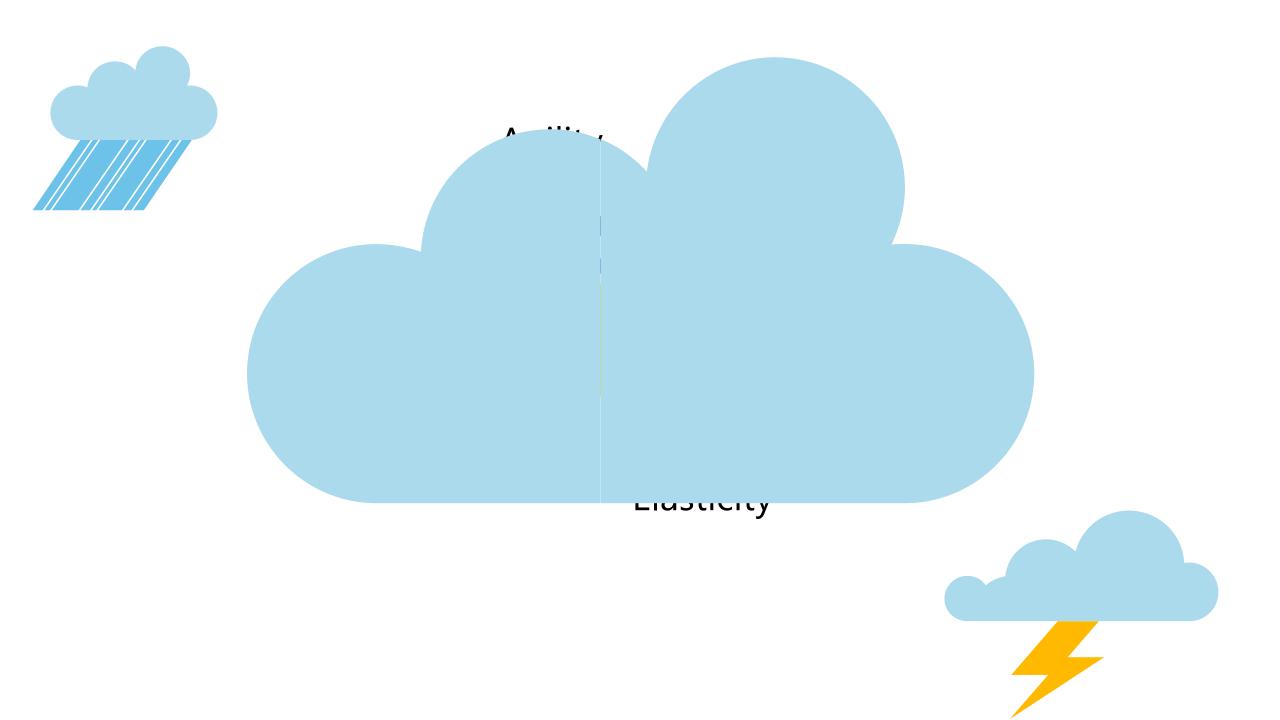


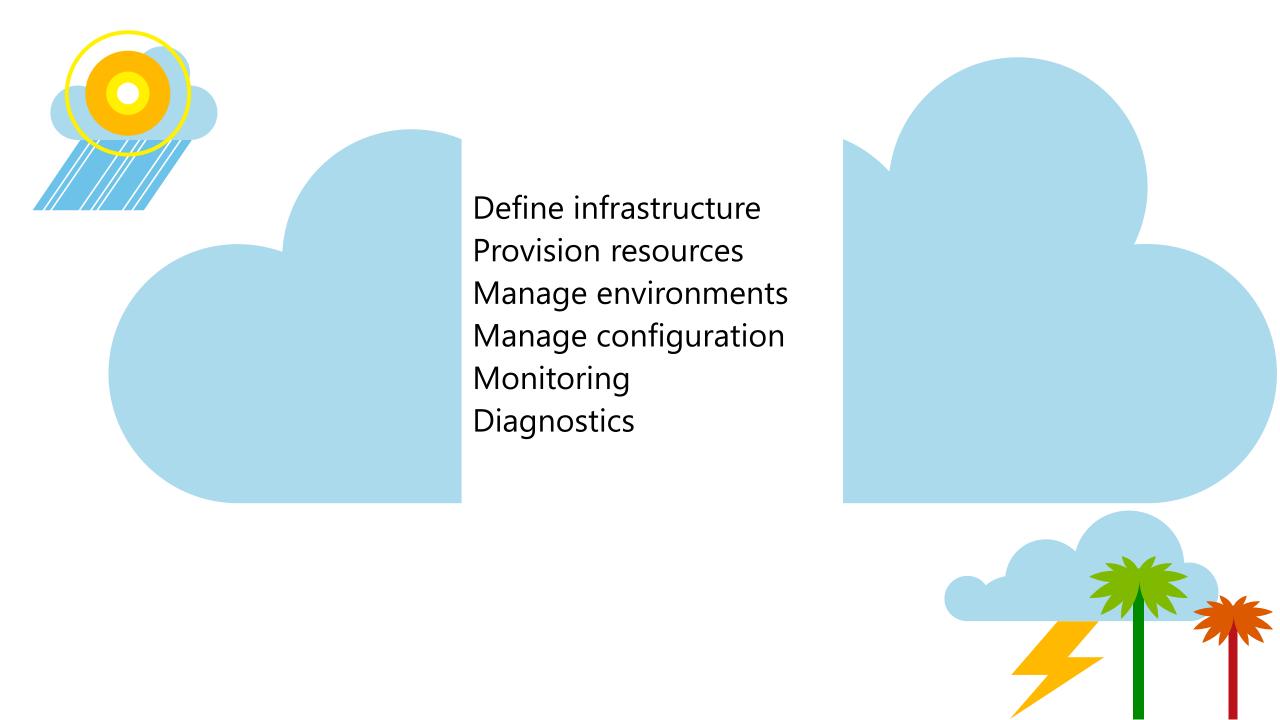
Amplify Feedback Loops Feedback Feedback Feedback

2nd Way

3rd Way
Culture of
Continual
Experimentation
and Learning







Define Infrastructure



Deploy or update a group of resources, repeatedly



Visualize a group of resources in a logical view, including monitoring/billing



Manage permissions on a group of resources

Define Infrastructure

Azure Resource Manager

Azure Templates

Ensure Idempotency

Simplify Orchestration

Simplify Roll-back

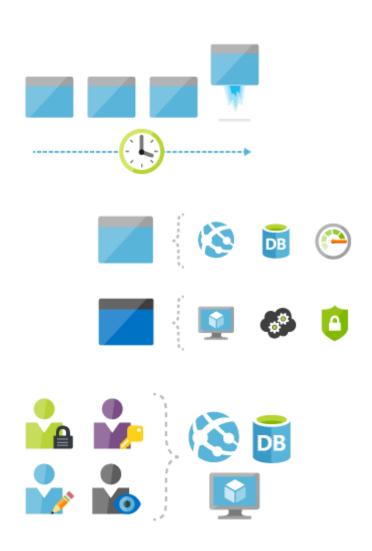
Provide Cross-Resource Configuration and Update Support

Azure Templates are:

Source file, can be checked-in

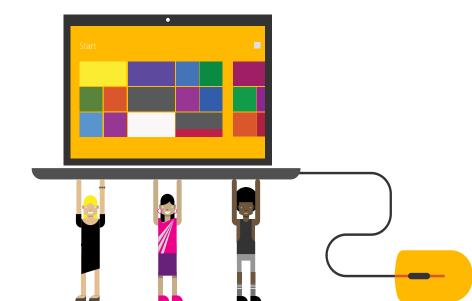
Specifies resources, dependencies, connections

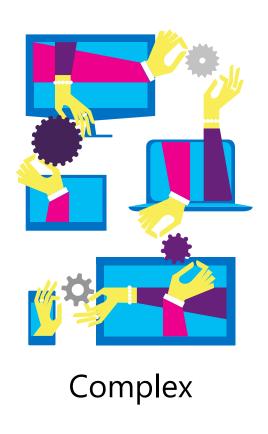
Support parametrized input/output



Demo

Provisioning Resources with Azure Automation





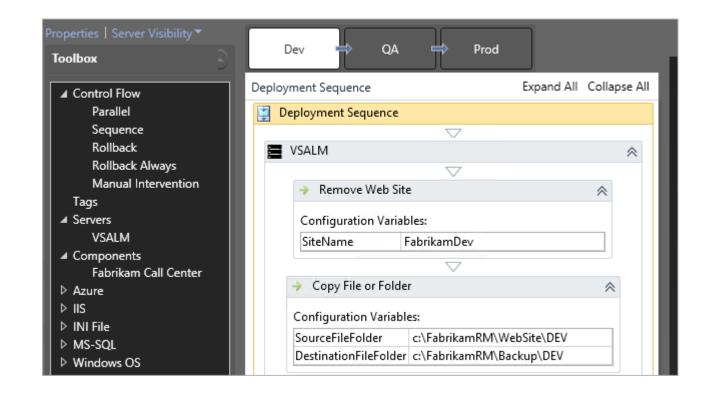




Team Foundation Server and Visual Studio Online

Automated builds Automated testing Automated deploy

Deploy approval workflow Traceability Custom tasks



Team Foundation Server and Visual Studio Online (vNext)

Automated builds

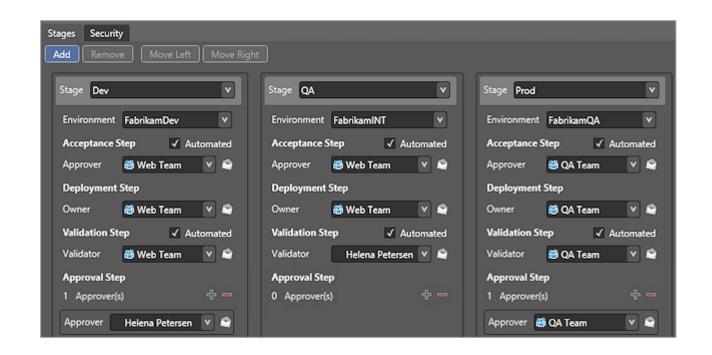
Automated testing

Automated deploy

Deploy approval workflow

Traceability

Custom tasks



Team Foundation Server and Visual Studio Online (vNext)

Automated builds

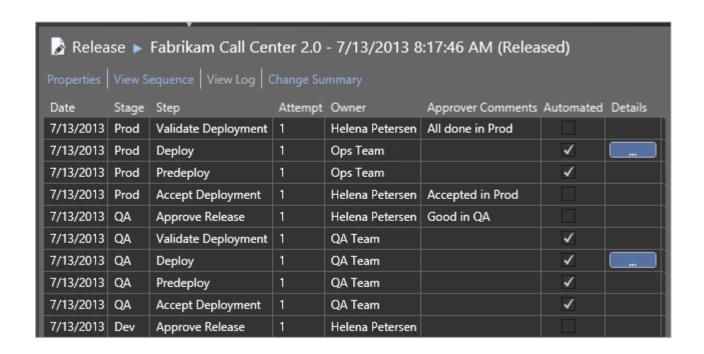
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Team Foundation Server and Visual Studio Online (vNext)

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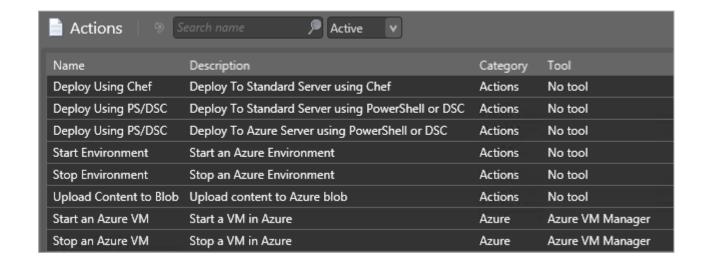
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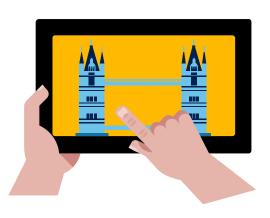
Monitoring & Diagnostics



Know what solution components are doing



Know what happened after some event

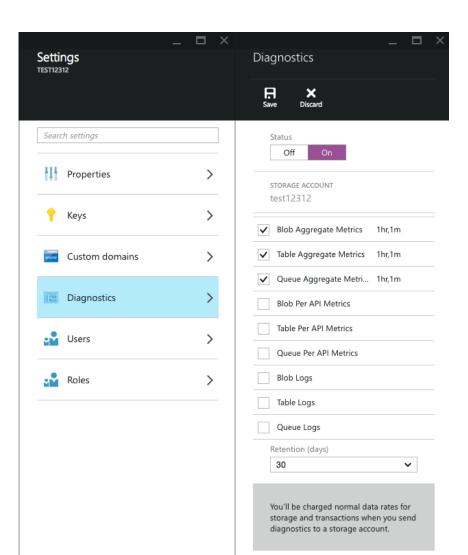


Know what customers are doing

Monitoring & Diagnostics

Azure diagnostics

- Can be configured in almost every service
- Stored in Azure
- Accessible through Azure Portal or API



Monitoring & Diagnostics

Application Insights

Get 360° insights for your application

Ensure your application's availability

Diagnose exceptions and performance issues

Analyze your application's usage

Cloud, device and on-premises

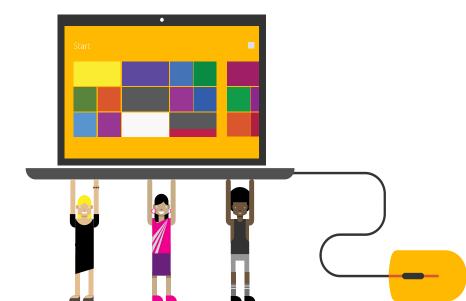
iOS, Android, Windows apps, J2EE and

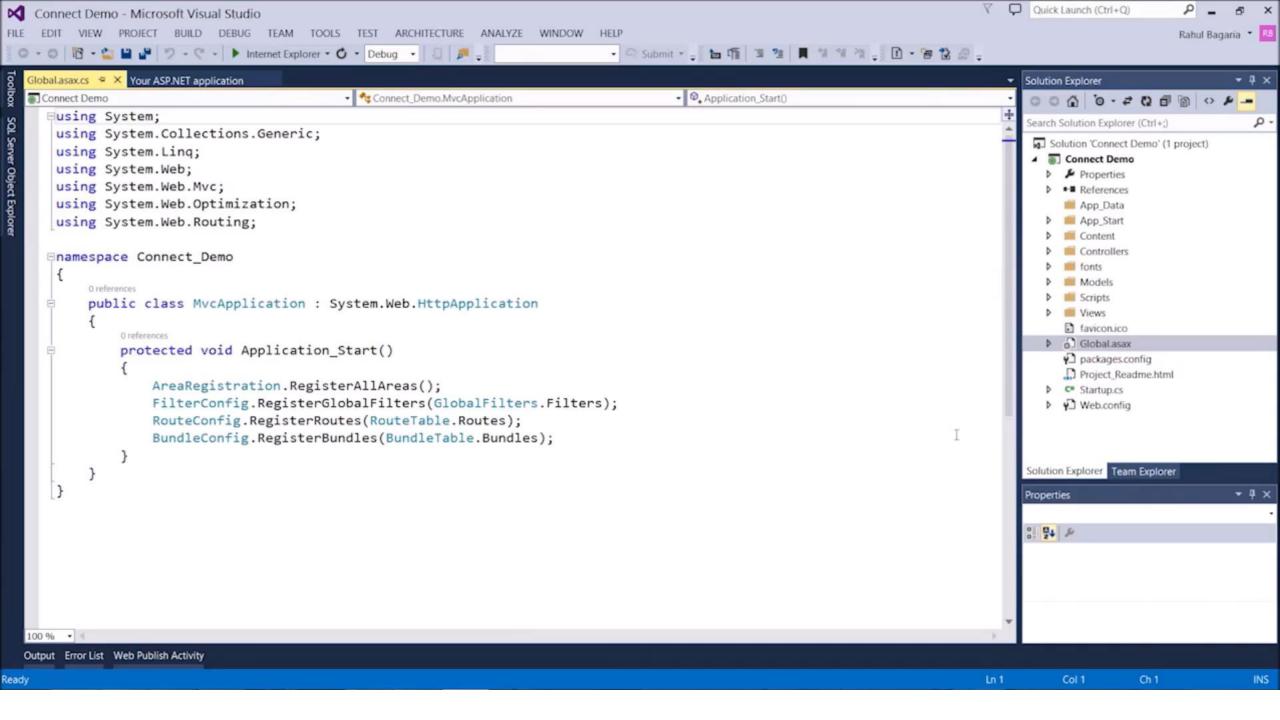
ASP.NET web apps, and WCF services



Video

Azure Application Insights







Questions? Thanks!

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