

Microsoft Azure

The cloud platform for digital transformation



Joe Raio, Senior Technical Evangelist, Microsoft

Microsoft

Goals of Presentation

- About Me & General Info
- Azure Overview
- Portal Demo
- Azure Account Setup



Microsoft

Joe Raio

Senior Technical Evangelist

DX Audience

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Based in Miami, FL.

Proud father. Passions are Music,
Space, Aviation & all things
Technology



LATEST EPISODE

Episode 57: Joe Raio is in the Technology Mosh Pit




00:00


00:00



Joe introduces himself and shares how he got his start in technology. Joe then reminisces about his first technical job, his first programming languages, and how the community has grown over the past 20 years....[Read More](#)

 Microsoft

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Founded Apr 27, 2015


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Miami Scala Enthusiasts: Let's talk about functional programming.

[Microsoft Innovation Center @ Venture Hive](#)
1010 NE 2nd Ave, Miami, FL ([map](#))



Meetup Link<http://www.meetup.com/Miami-Scala-Enthusiasts/events/232909321/>

[Learn more](#)

Thu Oct 6



6:30 PM

[✓ I'M GOING](#)

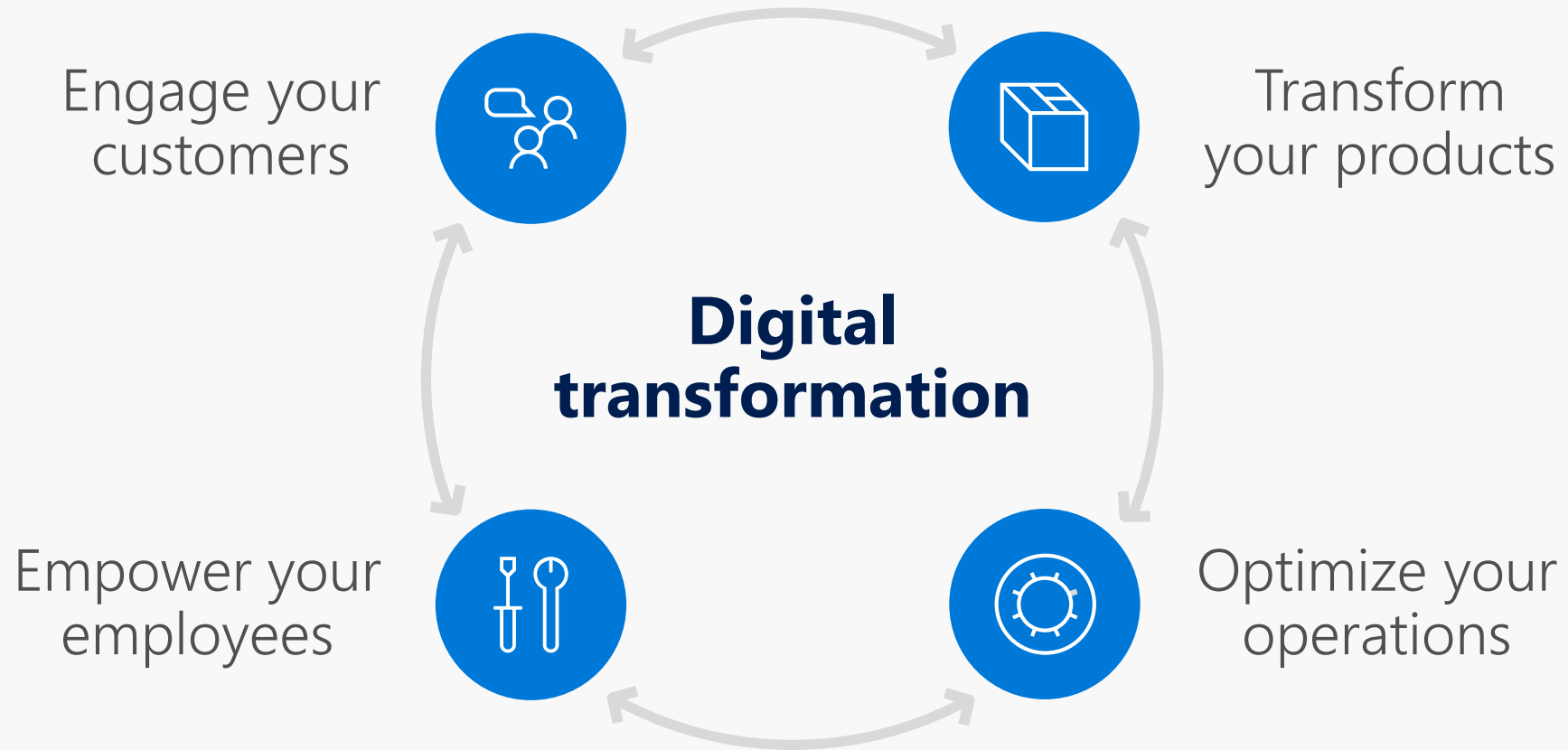
1 going

0 comments

What's new



<http://www.meetup.com/MICMiami/>



Microsoft Azure



Trust

Protect your business



Open and Hybrid

Build freely, deploy consistently in the cloud & on-prem



App Innovation

Accelerate innovation with the cloud



Data-Driven Intelligence

Power decisions & apps with insights

Protect your business



Trust



Detect and
mitigate
threats



Achieve global
scale, in local
regions



The most trusted
and compliant
cloud

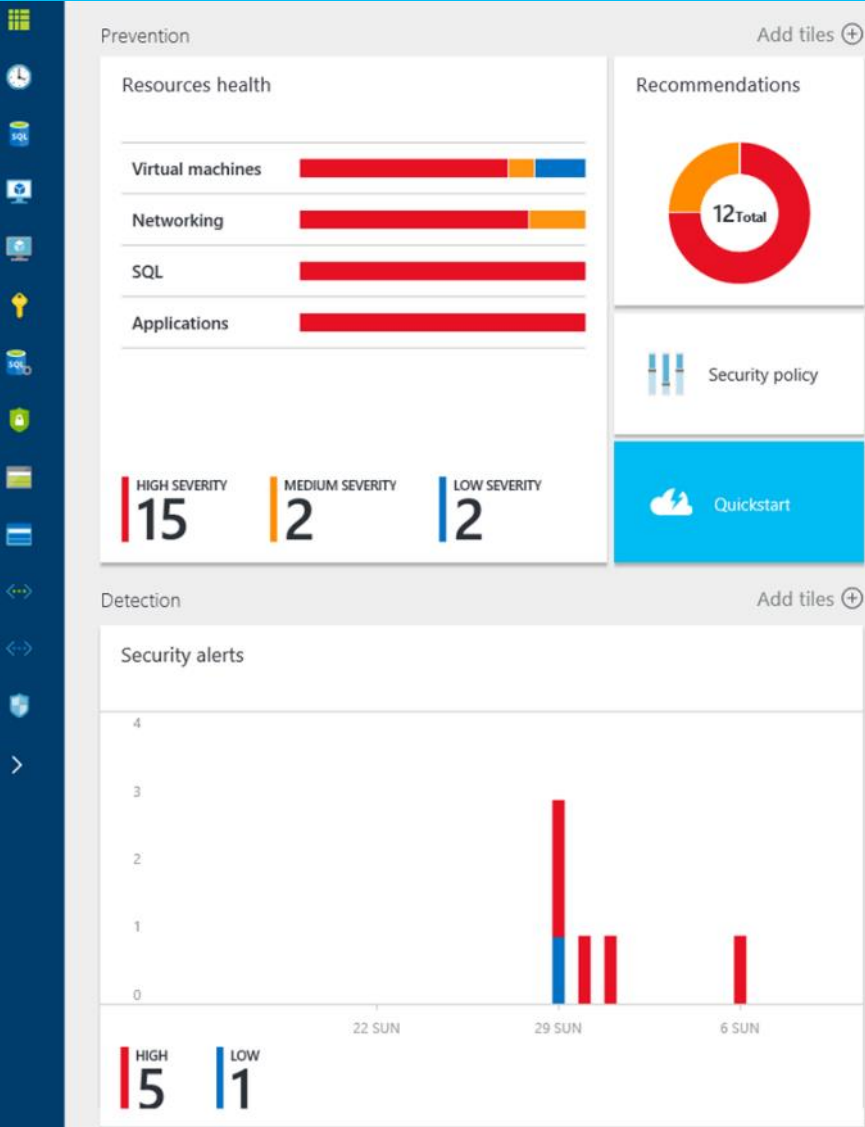
Detect and mitigate threats



Prevent

Detect

Respond



Status breakdown

ONBOARDING STEPS

TOTAL

No onboarding steps required.

PREVENTION STEPS

TOTAL

Antimalware not installed

7 of 11 VMs

Baseline rules mismatch

1 of 11 VMs

Missing system updates

10 of 11 VMs

Restart pending

1 of 11 VMs

Virtual machines

NAME

ONBOARDING

SYSTEM UPDATES

ANTIMALWARE

VM-W6

✓

!

!

VM-W5

✓

!

!

VM-W4

✓

!

✓

VM-W2

✓

!

✓

VM-L3

✓

!

!

VM-CL-W1

✓

!

✓

node14

✓

!

!

node13

✓

!

!

node12

✓

!

!

Achieve global scale, in local regions



Trust

38

Azure regions

RECENTLY LAUNCHED:

US Regions: West US 2 and West Central
Germany – Launched in Sep 2016
United Kingdom – Launched in Sep 2016

NEWLY ANNOUNCED:

France: France Central and France South
Korea: Korea Central and Korea South
DoD East and Central

The most trusted and compliant cloud



Trust

GLOBAL



ISO 27001



ISO 27018



ISO 27017



ISO 22301



SOC 1
Type 2



SOC 2
Type 2



SOC 3



CSA STAR
Self-Assessment



CSA STAR
Certification



CSA STAR
Attestation

US GOV



Moderate
JAB P-ATO



High
JAB P-ATO



DoD DISA
SRG Level 2



DoD DISA
SRG Level 4



SP 800-171



FIPS 140-2



Section
508 VPAT



ITAR



CJIS



IRS 1075

INDUSTRY



PCI DSS
Level 1



CDSA



MPAA



FACT
UK



Shared
Assessments



FISC
Japan



HIPAA /
HITECH Act



HITRUST



GxP
21 CFR Part 11



MARS-E



IG Toolkit
UK



FERPA



GLBA



FFIEC

REGIONAL



Argentina
PDPA



EU
Model Clauses



UK
G-Cloud



China
DJCP



China
GB 18030



China
TRUCS



Singapore
MTCS



Australia
IRAP/CCSL



New Zealand
GCIO



Japan
My
Number
Act



ENISA
IAF



Japan CS
Mark Gold



Spain
ENS



Spain
DPA



India
MeitY



Canada
Privacy
Laws



Privacy
Shield



Germany IT
Grundschutz
workbook

Microsoft Azure



Trust

Protect your business



Open and Hybrid

Build freely, deploy consistently in the cloud & on-prem



App Innovation

Accelerate innovation with the cloud



Data-Driven Intelligence

Power decisions & apps with insights

Build freely, deploy consistently



Open and Hybrid



Build and run
open source
solutions



Consistent
identity, apps,
data &
management



Deploy
the cloud
on-premises

Build and run open source solutions



Open and Hybrid

Applications



DevOps



Frameworks



Databases & middleware



Containers



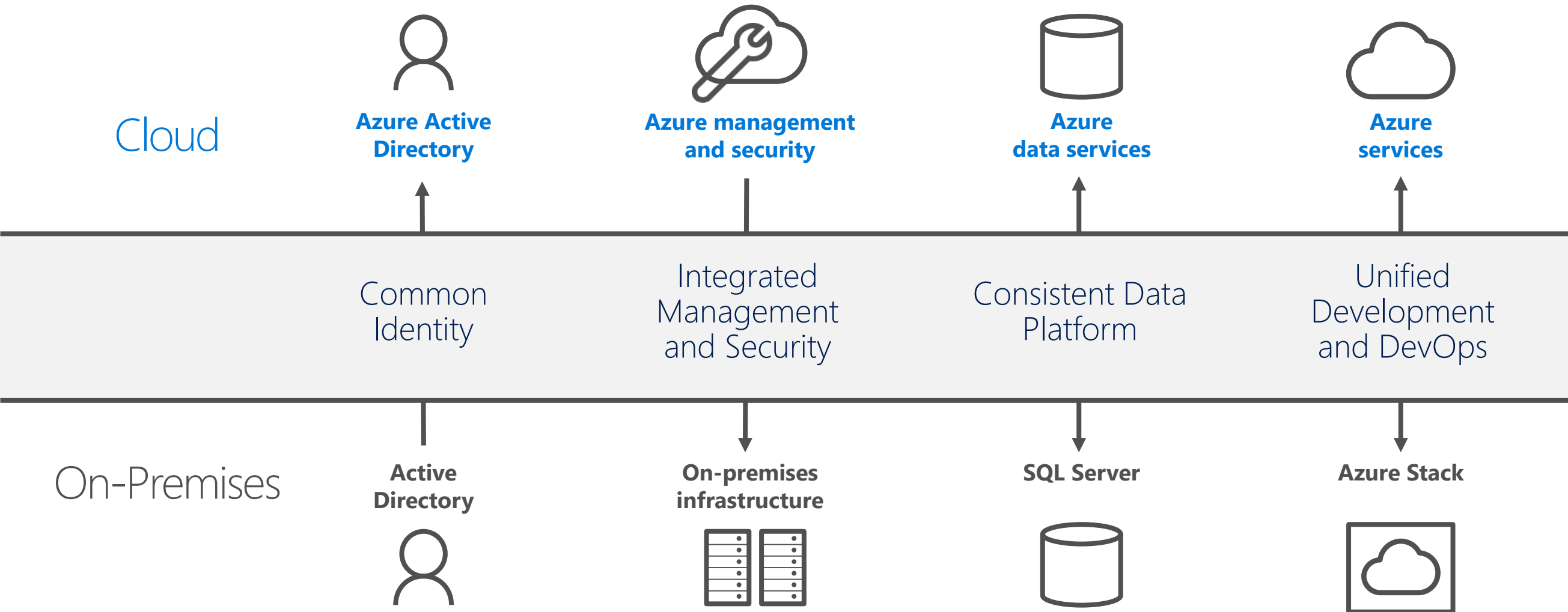
Infrastructure



Consistent identity, apps, data & management



Open and Hybrid



Microsoft Azure



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App Innovation



Build apps
faster and
easier



Manage
applications
proactively



Deliver native
mobile apps
seamlessly

Build apps faster and easier - IAAS



App Innovation



VM



Containers



Service Fabric



Other

Legacy applications,
no change

Lift and shift

Efficiency and speed

Improved
DevOps

Always-on, scalable,
distributed
applications

Hyperscale
(e.g. IOT)

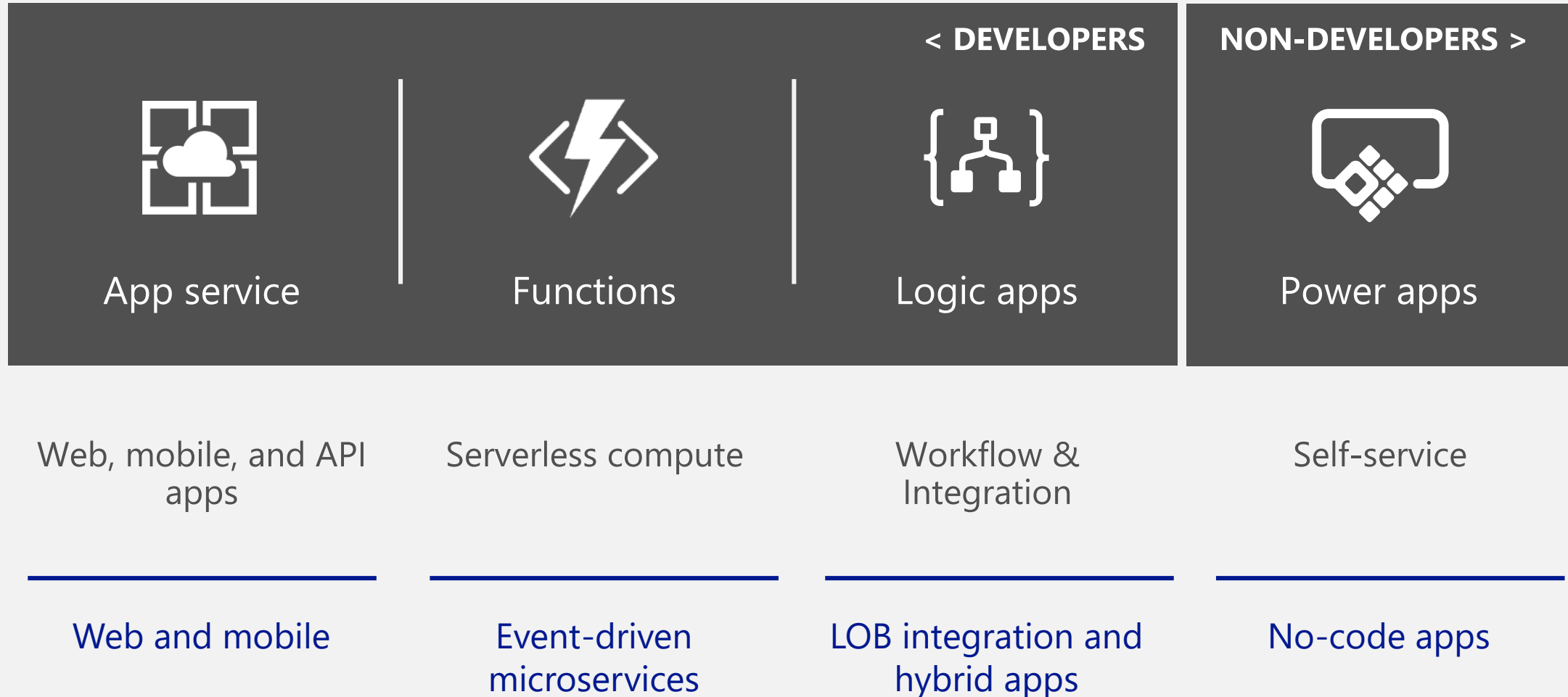
Cloud Foundry,
OpenShift, Apprenda,
Jelastic, etc.

Third-party
frameworks

Build apps faster and easier - PAAS



App Innovation

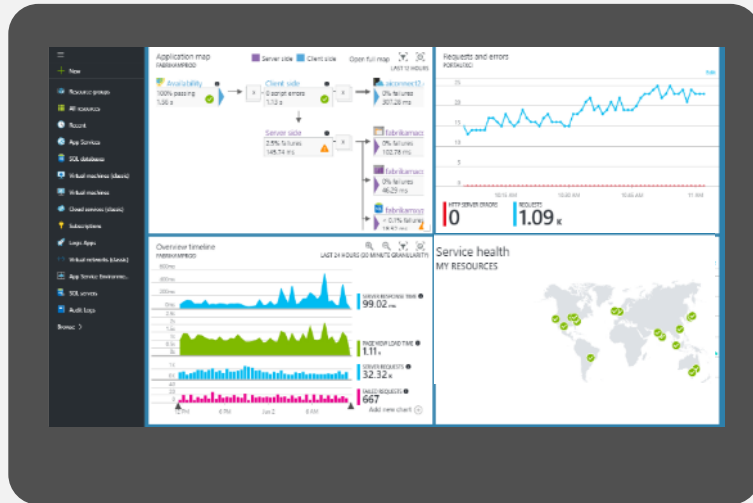


Manage applications proactively

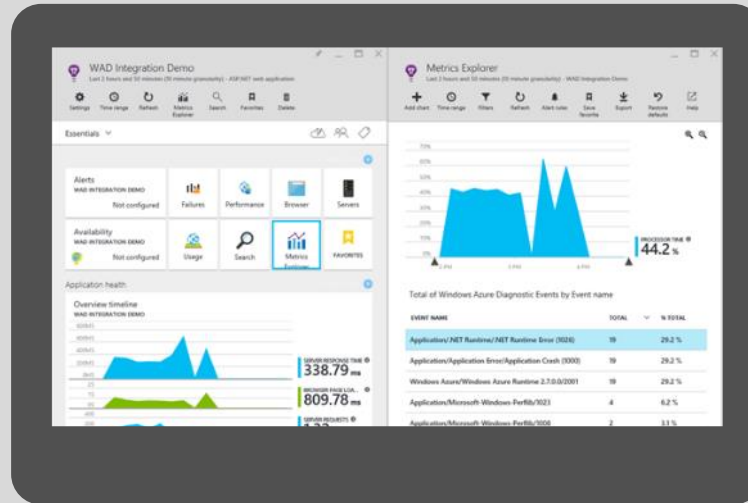


App Innovation

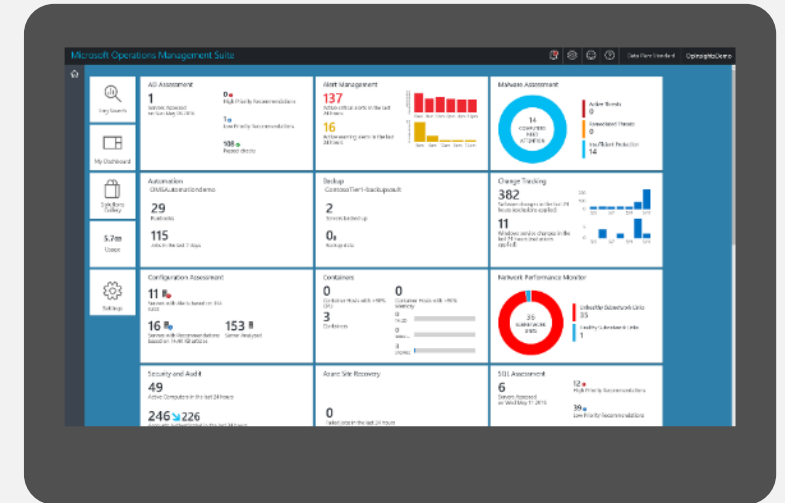
Azure Portal



Application Insights



Operations Management Suite

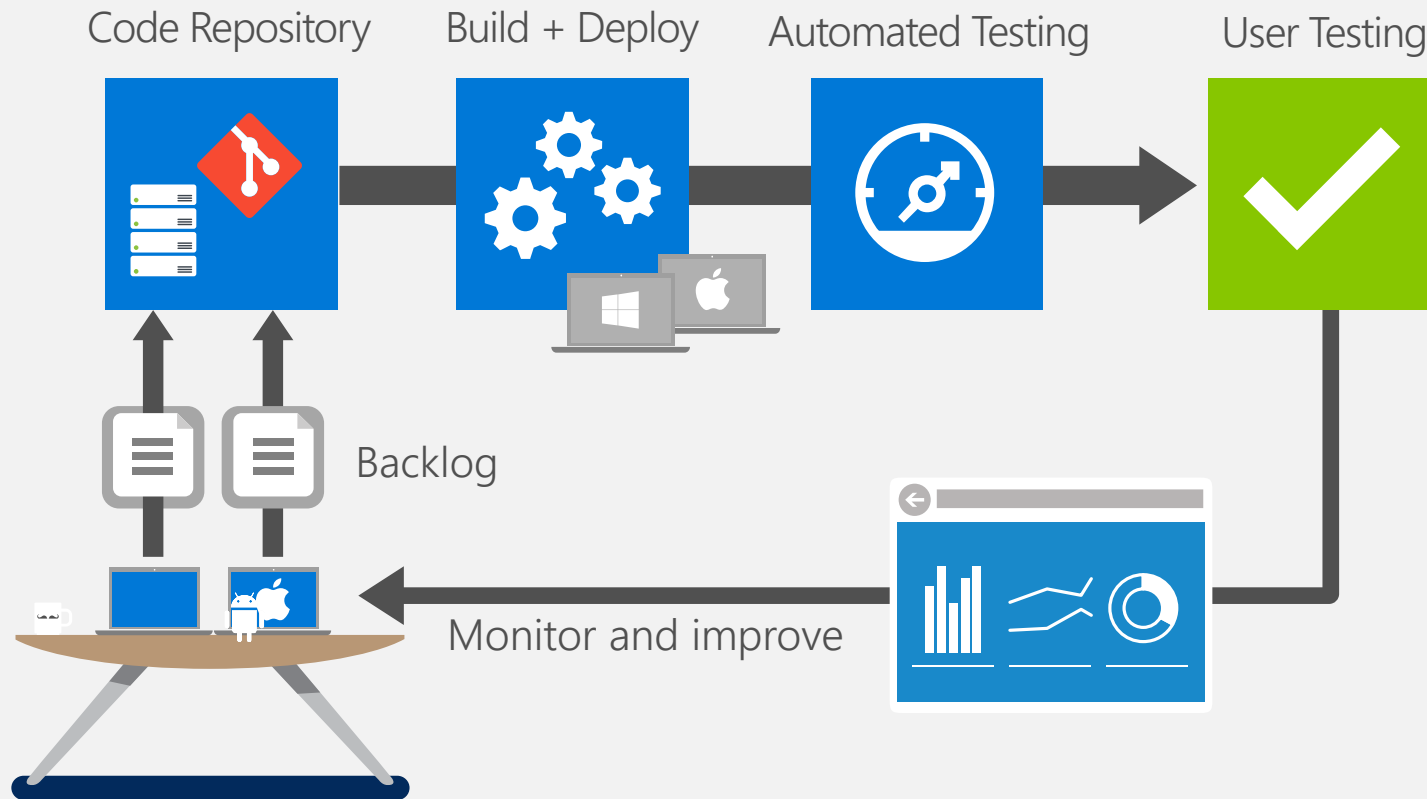


Deliver native mobile apps seamlessly



App Innovation

Mobile DevOps



Mobile Back-end Services

Cloud and
Offline Data

User
Authentication

Push
Notifications

Microsoft Azure



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App Innovation

Accelerate innovation with the cloud



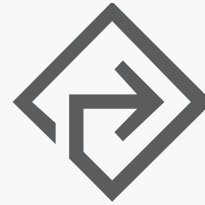
Data-Driven Intelligence

Power decisions & apps with insights

Power decisions & apps with insights



Data-Driven Intelligence



Support business
strategy with
any data

Predict and
respond
proactively

Learn and engage
with artificial
intelligence

Predict and respond proactively



Data-Driven Intelligence

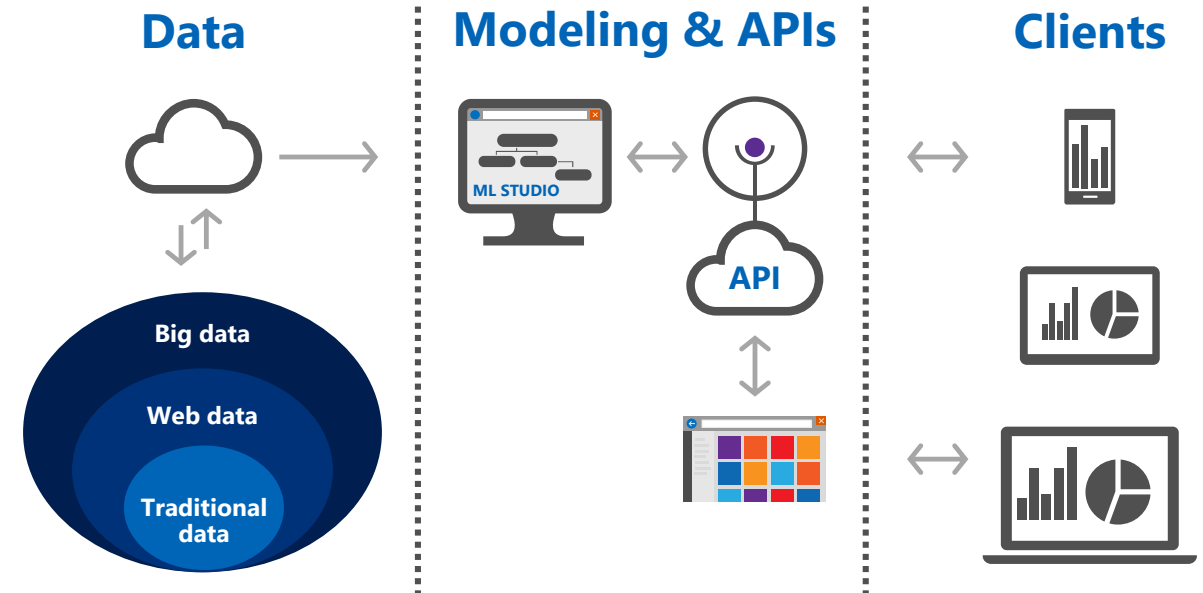
Azure machine learning templates

Demand forecasting

Predictive maintenance

Vehicle telemetry

Azure machine learning service



Learn and engage with artificial intelligence



Data-Driven Intelligence



Interact in personal, natural ways

Smart Recommendations, personalization, immersive experiences

Infuse processes with intelligence

Dynamics CRM

Capitalize on hidden insights beyond your data

Advanced Analytics, Machine Learning, Data Enrichment

Learn and engage with artificial intelligence



Data-Driven Intelligence

VISION

Computer Vision

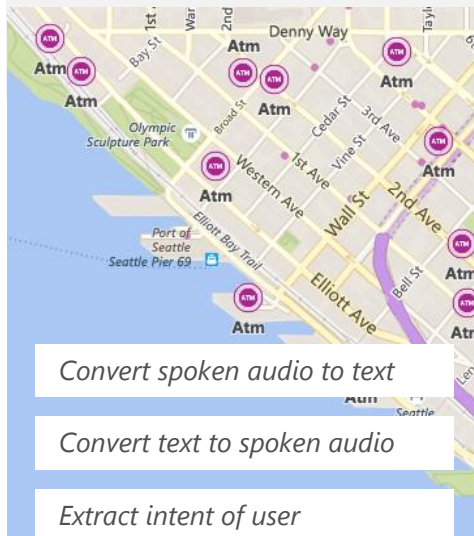
What is in the image?



SPEECH

Speech-to-Text and
Text-to-Speech Service

*Give me
directions to
the closest ATM*



LANGUAGE

Natural Language
Processing

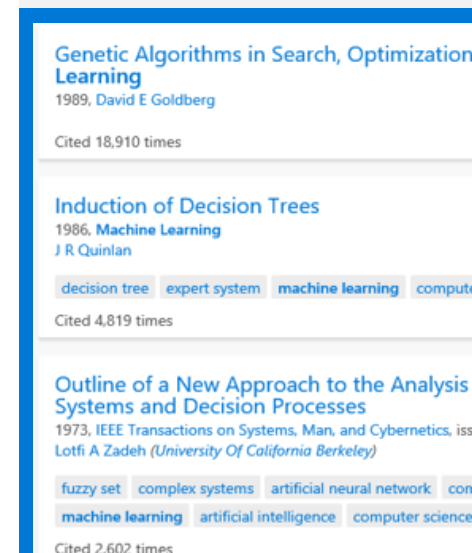
*Play today's
Daily Show*



KNOWLEDGE

Knowledge
Exploration Service

*Top
publications
in AI?*



SEARCH

Bing Search

*Search for
'cute kittens'*





Trust



Open and Hybrid



App Innovation



**Data-Driven
Intelligence**



Azure Portal Demo

Resource Links

- Azure Trial
 - <http://aka.ms/tryazure>

Q&A



Keep in touch!

- Contact Information

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- <http://joeraio.com>
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