



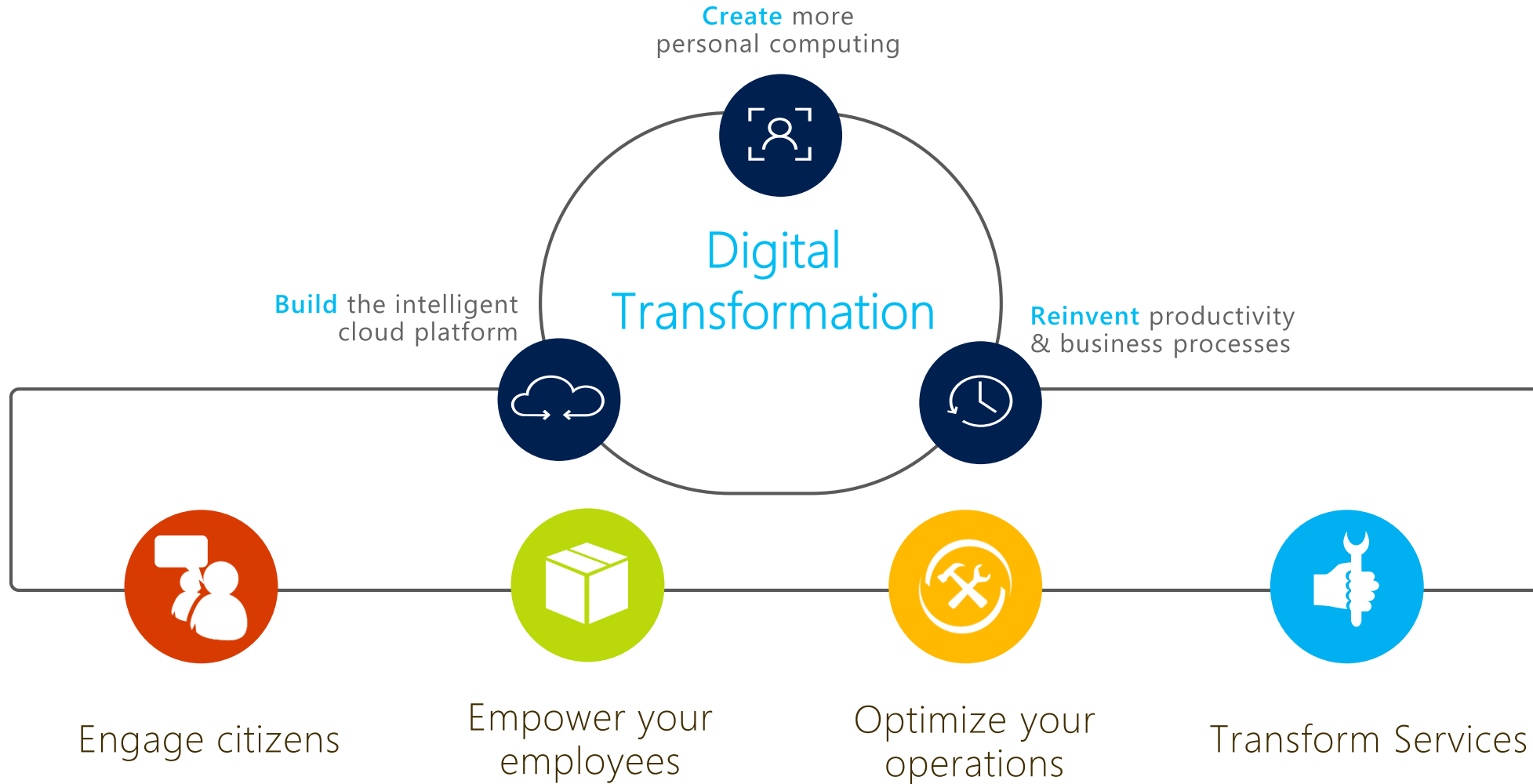
RDW TECHDAYS 2017



Microsoft Azure Modern Application and DevOps
The cloud platform built for business
March 2017

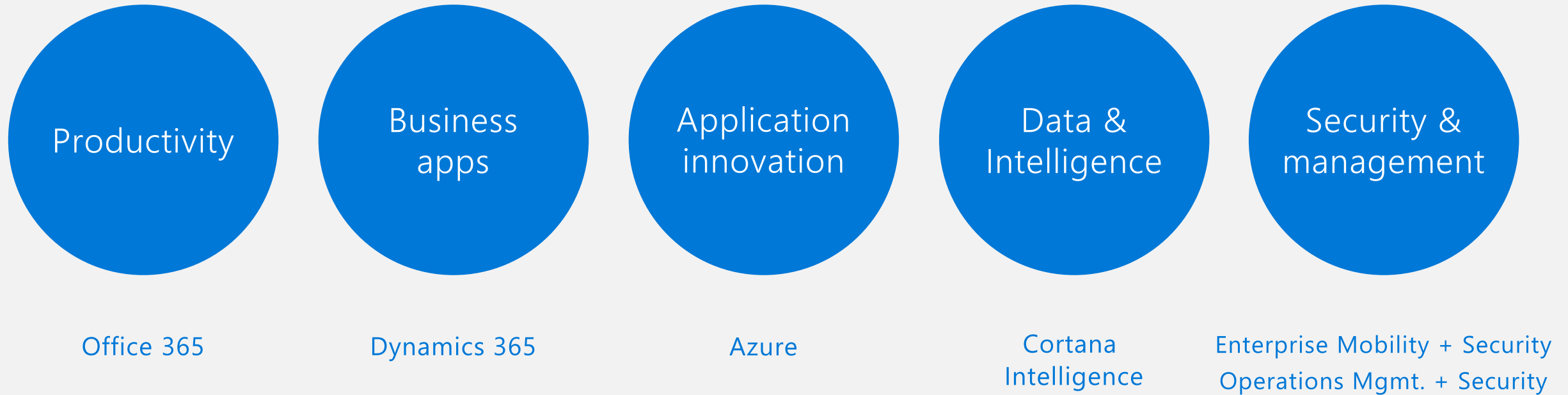
Mathieu Rietman / Microsoft, Cloud solution Architect
Joost-Jan Huls RDW EDS Developer/Architect

Government Digital Transformation

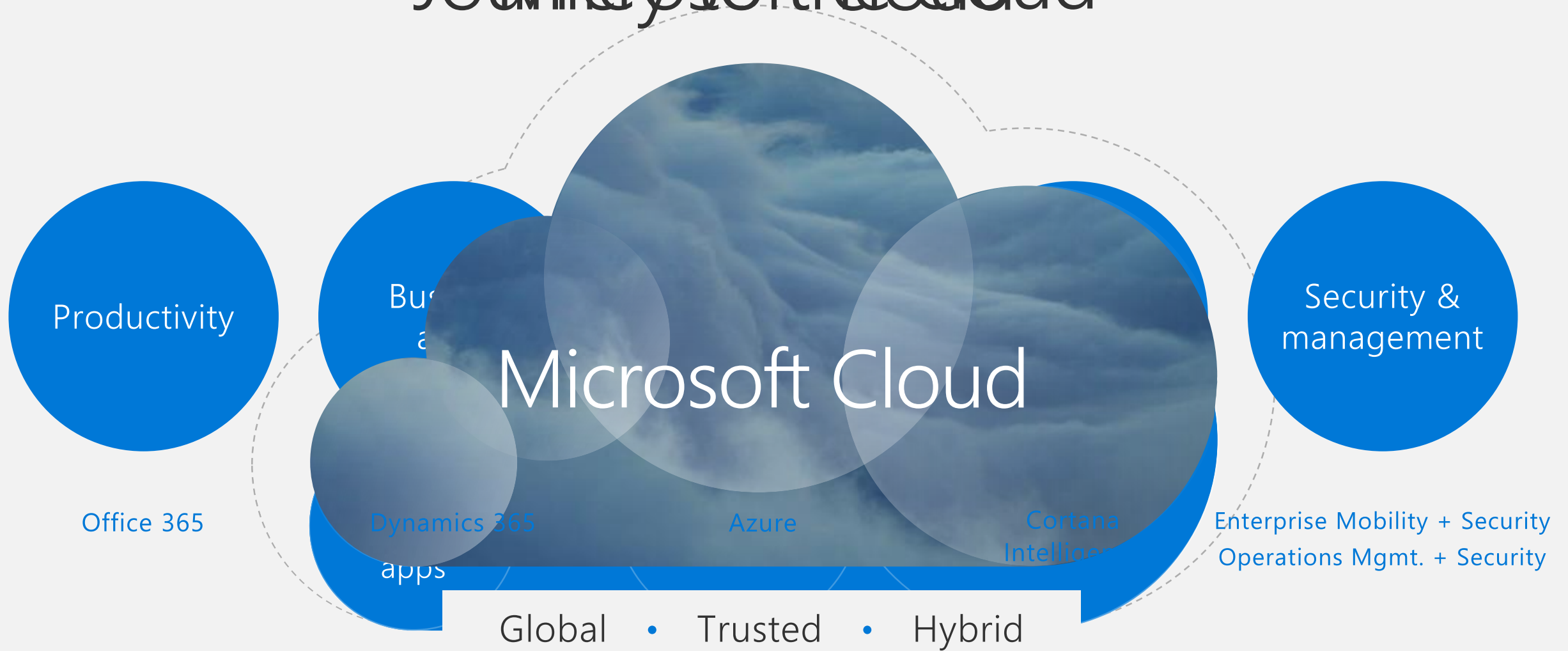


"At Microsoft, we're proud to partner with and empower all our customers around the world with the leading technology to seize the vast opportunities ahead." – Satya Nadella

Journey to the cloud



Journey to the cloud



A world map on a blue background with a white network overlay of dots and lines. Dark blue circles of varying sizes highlight specific regions: a large cluster in North America, a cluster in Europe, several circles in Asia, and a few in Australia and South America.

38

Azure regions

2X the number of
AWS 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

Microsoft Azure



Application innovation

Accelerate innovation with the cloud



Openness and flexibility

Build freely, deploy anywhere



Data and intelligence

Power decisions & apps with insights



Trust and security

Protect your business

Build apps faster and easier



Build on PaaS



Existing frameworks



Web and mobile



Microservices



Serverless Compute

Build on IaaS



Storage

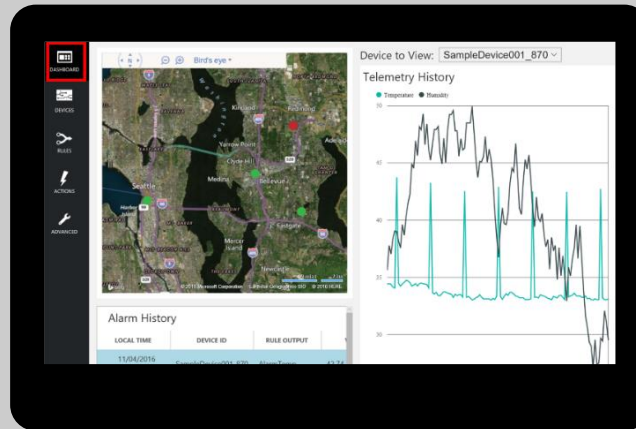


Virtual machines

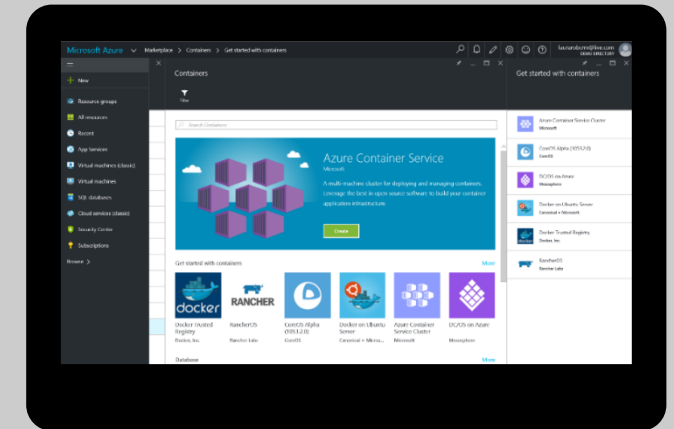


Networking

Azure Internet of Things



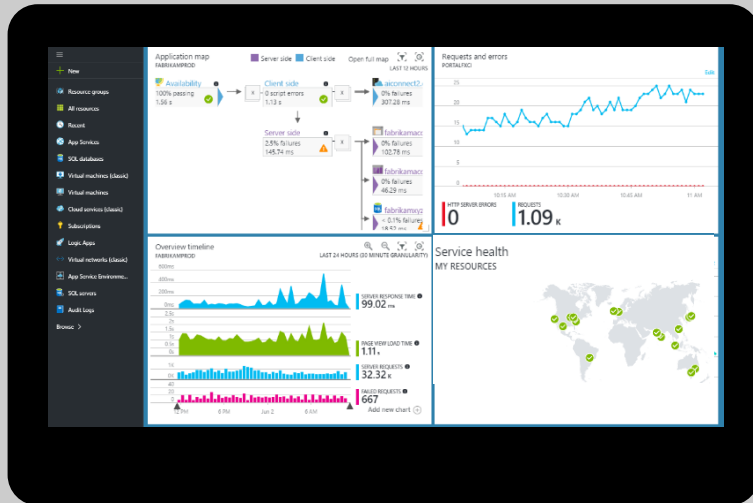
Azure Marketplace



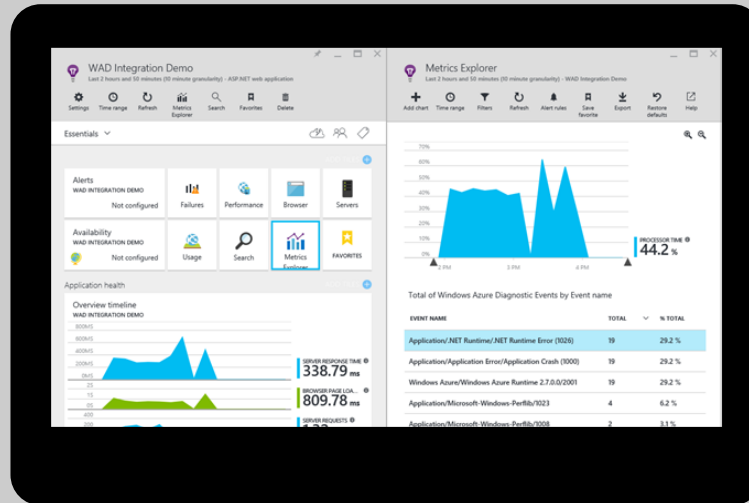
Manage applications proactively



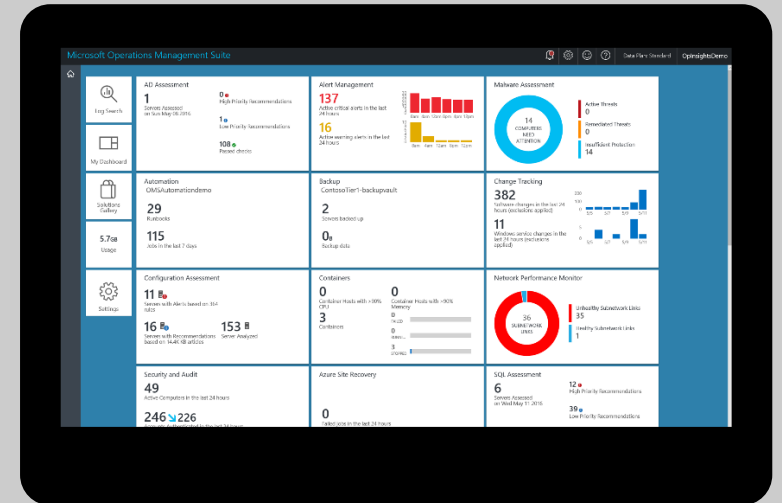
Azure Portal



Application Insights



Operations Management Suite

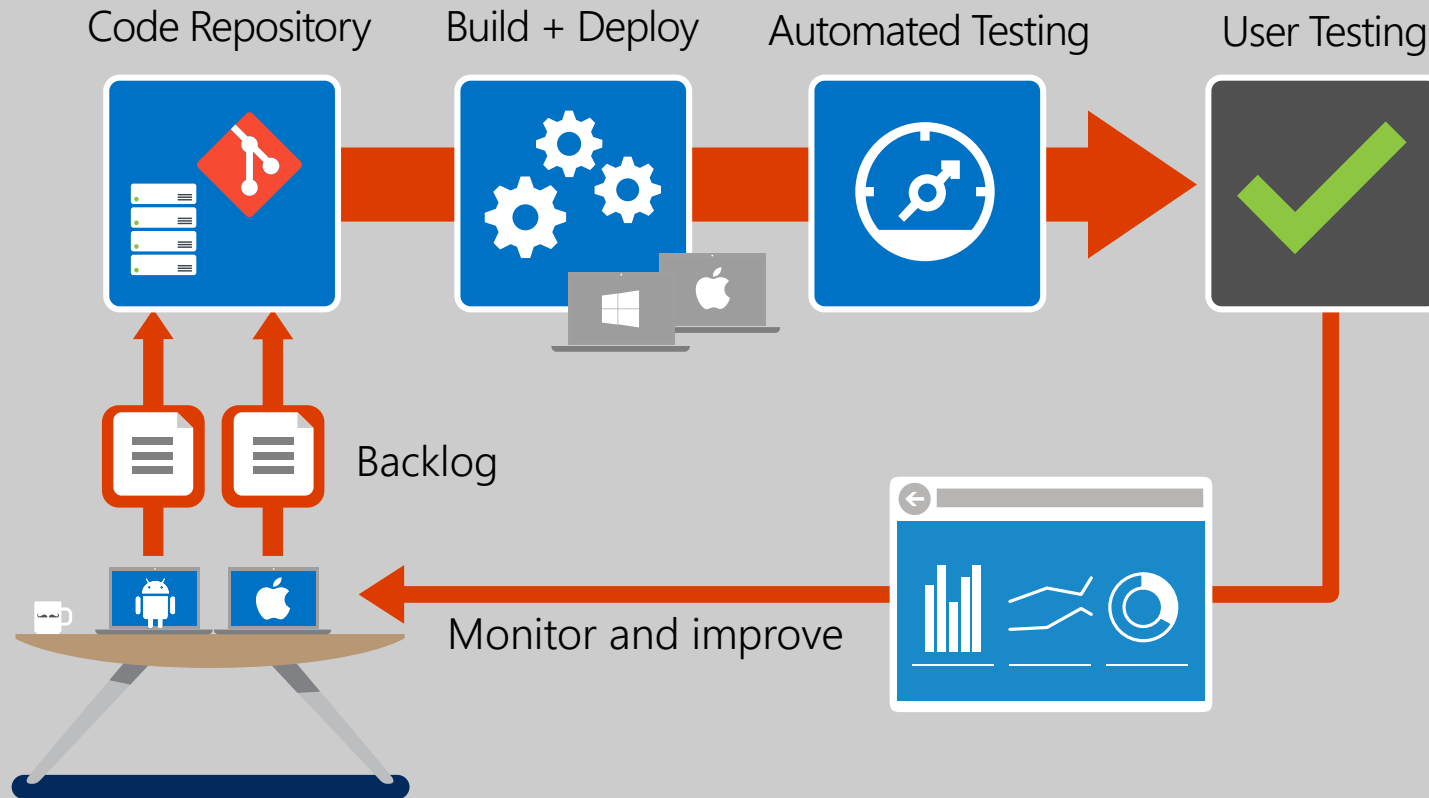


Deliver apps seamlessly



DevOps

Mobile Back-end Services

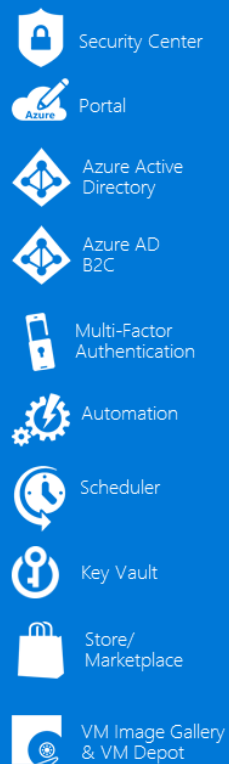


Cloud and
Offline Data

User
Authentication

Push
Notifications

Security & Management



Platform Services

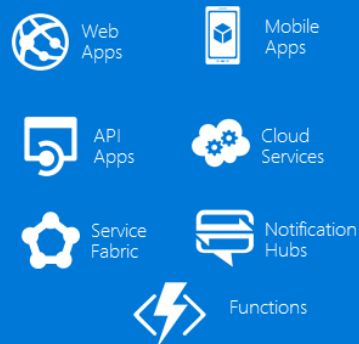
Media & CDN



Integration



Application Platform



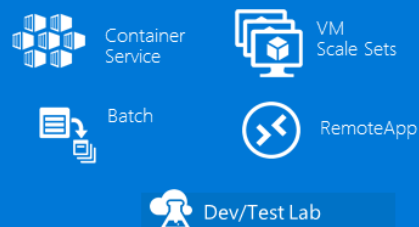
Data



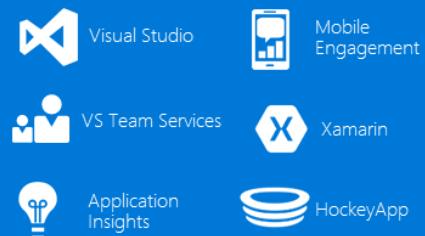
Intelligence



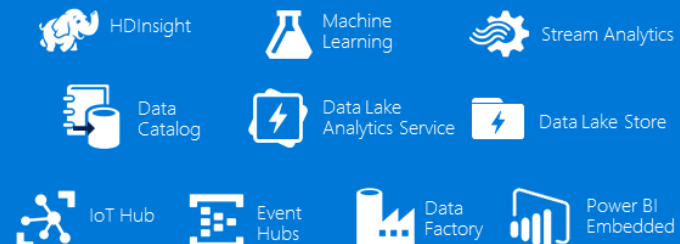
Compute Services



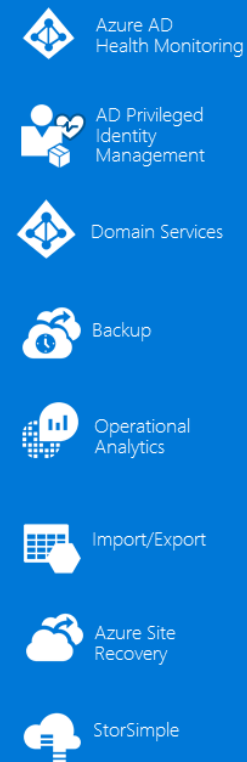
Developer Services



Analytics & IoT



Hybrid Cloud



Infrastructure Services

Compute



Storage



Networking



Datacenter Infrastructure (34 Regions, 30 Online)



Tools



Microsoft Azure

+



Command Line

+



Visual Studio

AZURE RESOURCE MANAGER API

RESOURCE MANAGER



Cloud



On-Premises



ADFS

AAD

RESOURCE PROVIDER CONTRACT

Provider
Rest Points



Build and run open source solutions



DevOps

Nagios



Clients



APACHE CORDOVA™

Management



Applications



PaaS &
DevOps



App Frameworks & Tools



nodeJS



Databases & Middleware



redis



Infrastructure



redhat



Azure Stack

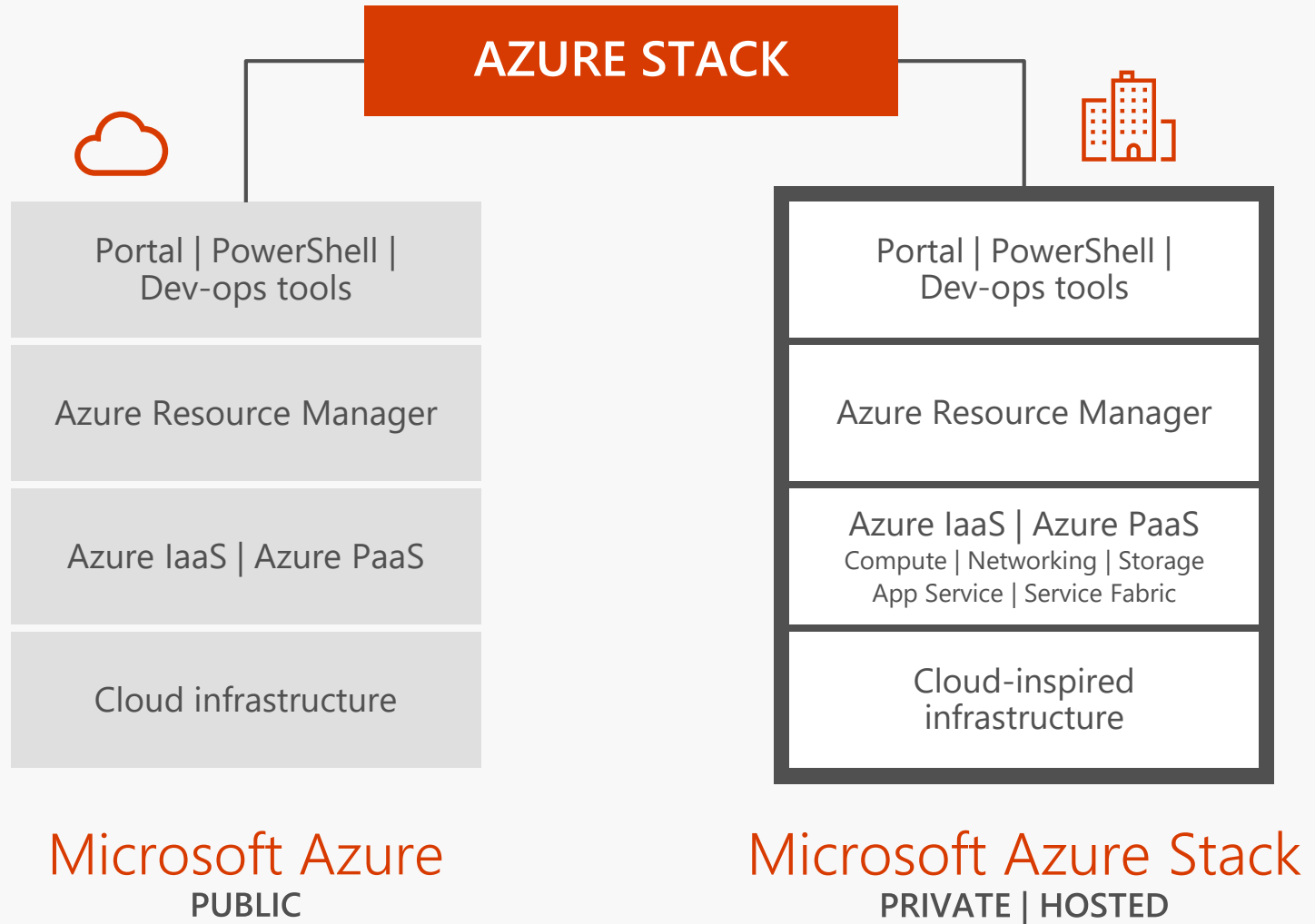
Deploy the cloud on-premises.

One Azure ecosystem.

Unified app development.

Azure services in your datacenter.

TP3 Technical
Preview



<https://azure.microsoft.com/en-us/overview/azure-stack/>

Benefit from relentless business commitment



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	 GxP 21 CFR Part 11	 MARS-E	 FERPA	 GLBA	 FFIEC					
Regional	 Argentina PDPA	 EU Model Clauses G-Cloud	 UK GOV.UK	 China MLPS	 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	 Germany IT Privacy Grundschutz Shield workbook

Zoom into Web Apps



=



Web apps

Web apps that scale with your business



Mobile apps

Build mobile apps for any device



Functions

Serverless event based development accelerator



API apps

Easily build and consume APIs in the cloud

Azure App Service

Build and scale great web and mobile apps



Auto-patching and auto-scale

.NET, Java, Node.js, PHP, Python

Integrate with SaaS and on-premises

Continuous integration with VSTS,
Github, BitBucket, and more



Azure App Service

Enterprise-grade apps



VNET Integration
Not Configured

Securely access resources available in or through your Azure VNET

[Learn More](#)

[Setup](#)



Hybrid Connections
Not Configured

Securely access applications in private networks

[Learn More](#)

[Configure your hybrid connection endpoints](#)

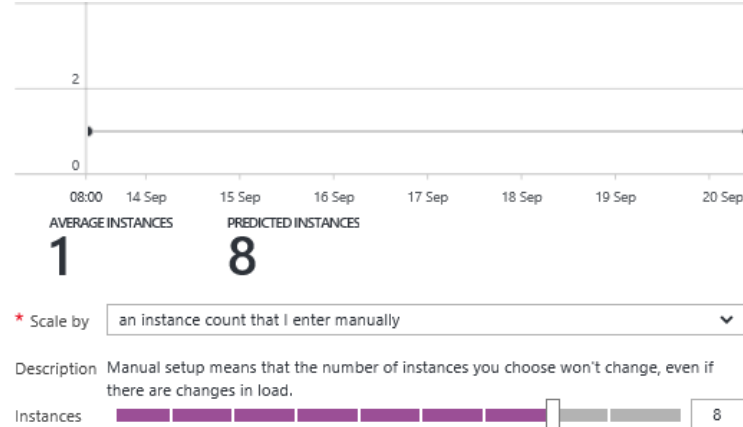


App Service Environment
Not in an ASE

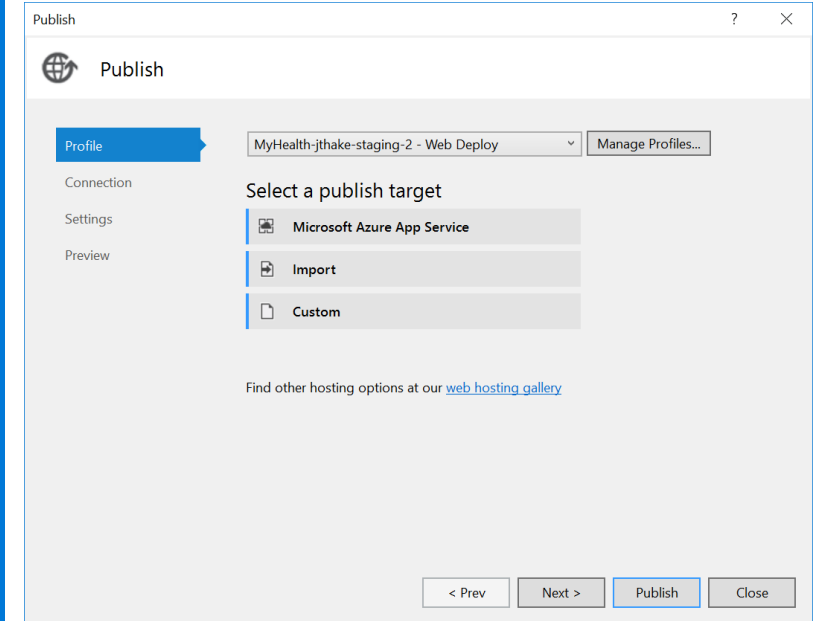
Host your web apps in your own Azure Virtual Network

[Learn More](#)

Fully managed platform



High productivity development



Azure functions

Asynchronous, event-driven,
serverless experience

Respond to events occurring in
other Azure services, SaaS products
(e.g., Office365, Salesforce),
on-premises systems

Only pay while function is executing

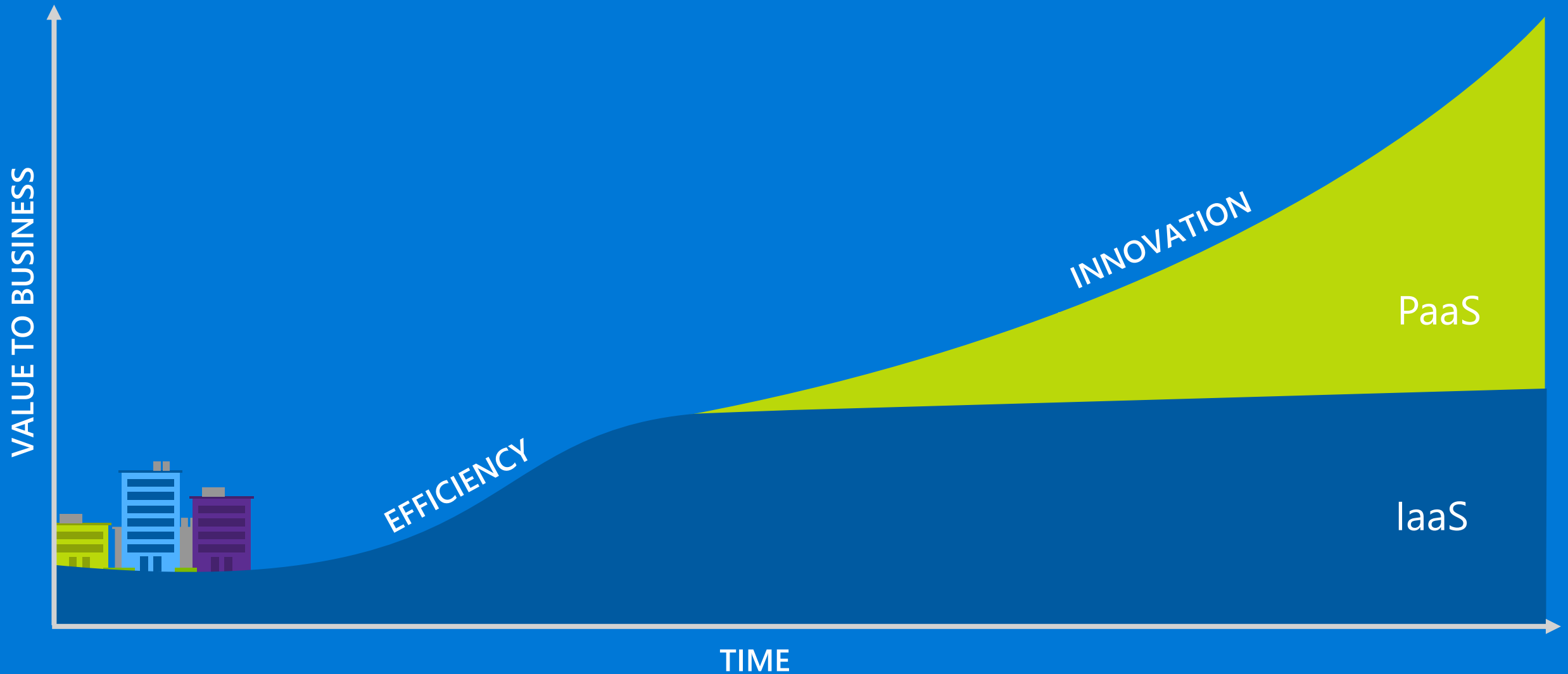
Fully open source

AZURE FUNCTIONS



serverless experience

From infrastructure to innovation



Microsoft Application Platform

Build the next generation of intelligent apps with an open, comprehensive solution for any developer and any platform



Target any platform,
use any technology

- ✓ Custom or template based solutions
- ✓ Multiple languages, frameworks, tools, and databases
- ✓ iOS, Android, Windows, and Linux

Flexible & open



Develop apps with
speed and agility

- ✓ Integrated cloud platform, DevOps, and tools
- ✓ Build, deploy, manage apps faster
- ✓ Work across teams and disciplines

Productive

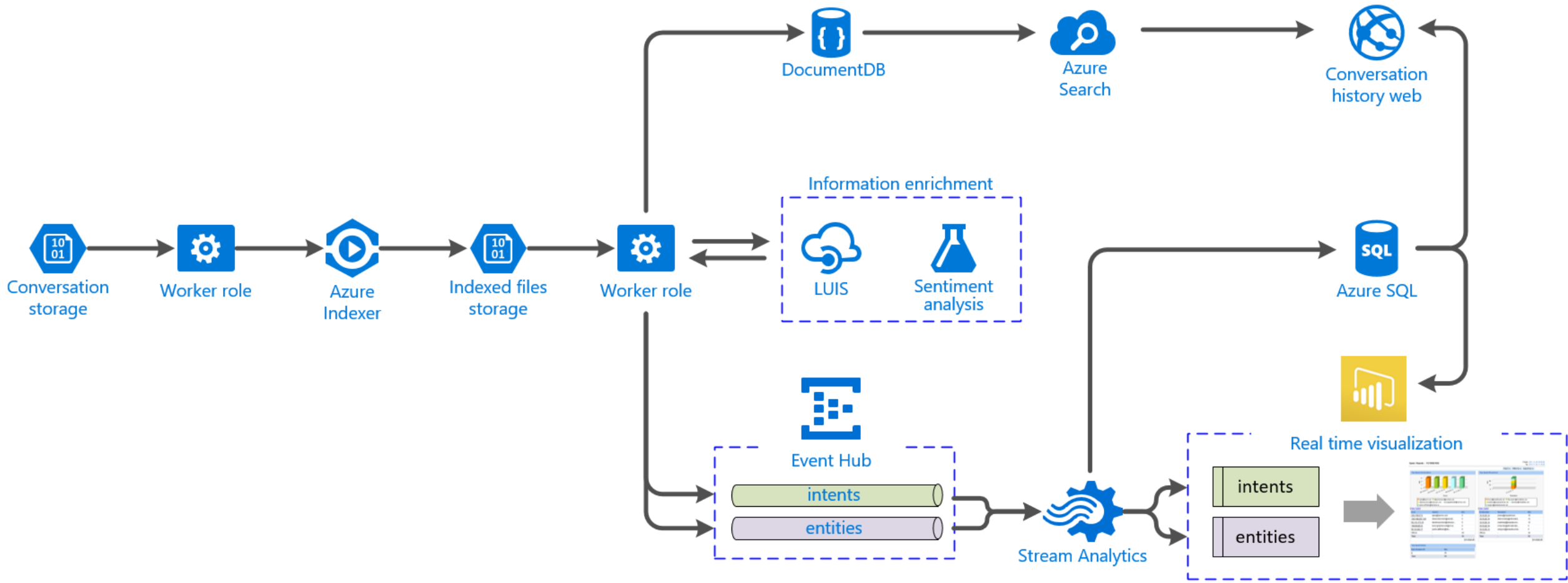


Gain the broadest reach
for every line of code

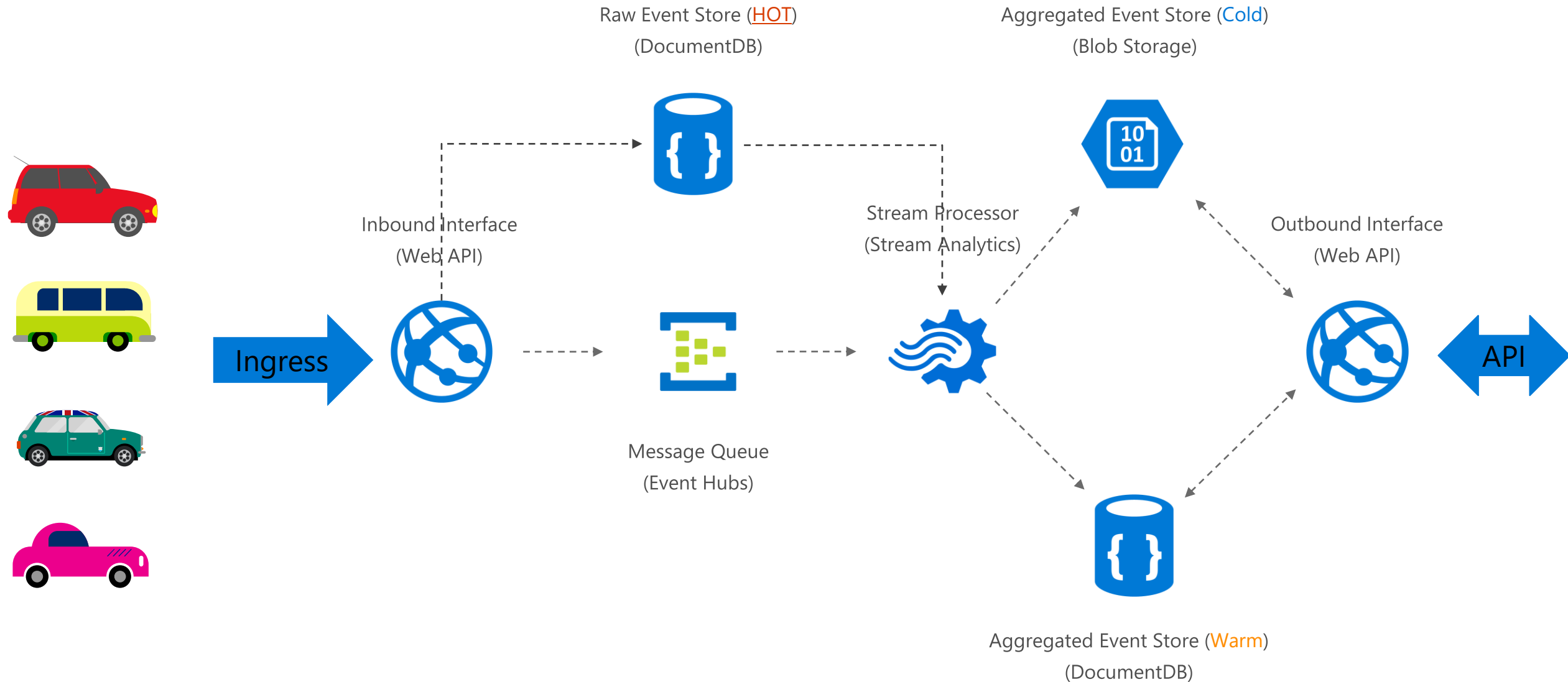
- ✓ Target on-premises, hybrid, cloud, and multi-cloud
- ✓ Write once, run anywhere
- ✓ Leverage 60+ enterprise grade services

Reach

Call center analysis/dashboard solution architecture



IoT : Vehicle Telematics

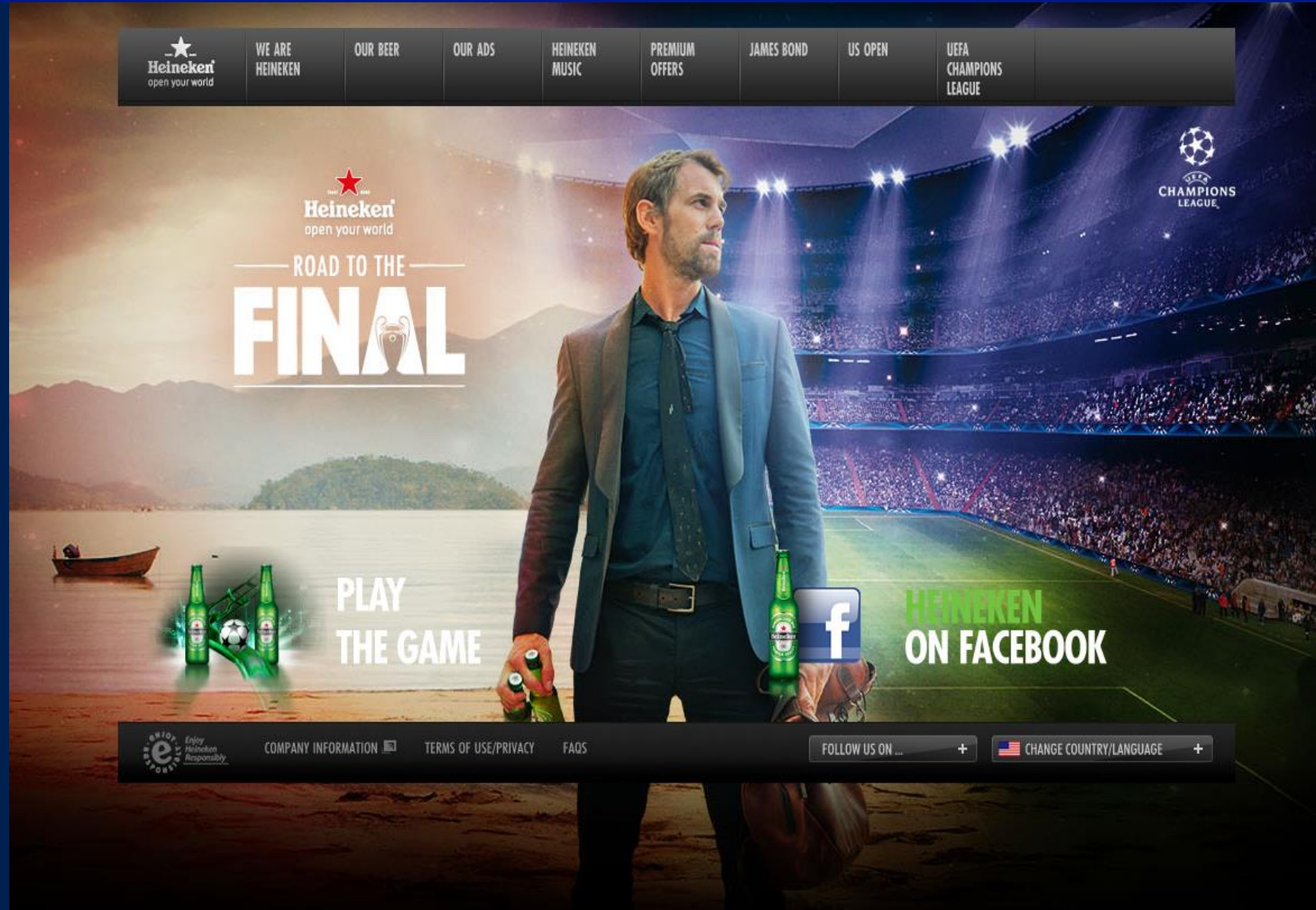


Heineken



Global Marketing Campaign in the Cloud

- 40+Mln bekijkers van online campagne video
- Champions League campagne schaalte tot 1Mln gameplays per uur
- Pas bij succes van de campagne wordt cloud veel gebruikt en zijn er kosten



Demo

General Web App demo

RDW EDS Next Continuous
Integration Continuous Deploy

Three options for leveling up your skills

Free



Training

Access to our full online course catalog of new Azure technical training including Microsoft Azure Fundamentals and Microsoft Azure for AWS Experts

Certification

Digital Certificates of Completion for each course

Benefits

The skills to lift and shift technology to Azure

[Start now >](#)

\$99



Training

Access to our full online course catalog of new Azure technical training, with new courses added monthly

Certification

One Azure certification exam of your choice (one free retake included, exam can be completed online or in person)

One practice test for the Azure exam of your choice

Digital Certificates of Completion for each course

Benefits

Valuable Microsoft Certified Professional status

[Start now >](#)

\$279



Training

Access to our full online course catalog of new Azure technical training, with new courses added monthly

Certification

Three Azure certification exams of your choice (one free retake of each included, exams can be completed online or in person)

Three practice tests for the Azure exams of your choice

Digital Certificates of Completion for each course

Benefits

Evidence of your mastery of Azure cloud skills

[Start now >](#)

<https://azure.microsoft.com/en-us/learn/skills/>



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