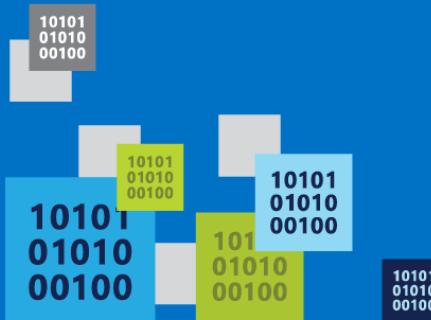


The Cloud for Modern Business

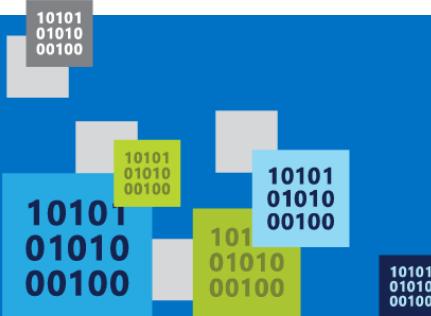
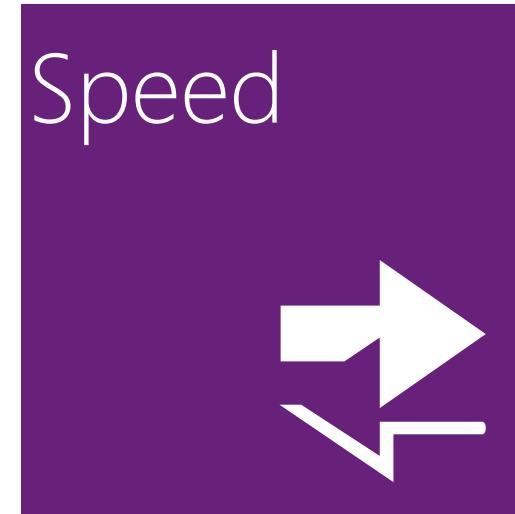
Teerachai Laothong
IMC Institute

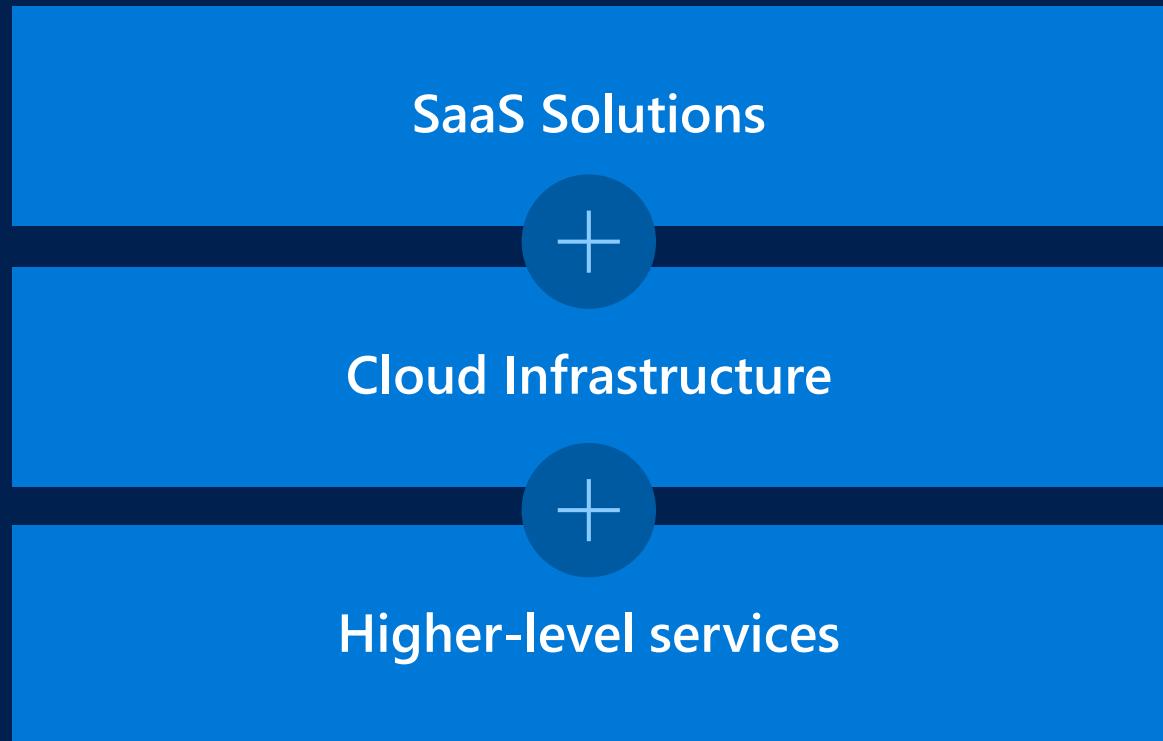


Why the cloud?

- Rapidly setup environments to drive business priorities
- Scale to meet peak demands
- Increase daily activities, efficiency and reduced cost.

Why the cloud?





DIFFERENTIATION
AGILITY
COST

Leading the journey to the Cloud



Microsoft
Dynamics



Microsoft Enterprise Mobility Suite

Leading the journey to the Cloud

SAAS SOLUTIONS



Microsoft Dynamics



ENTERPRISE MOBILITY

Microsoft Enterprise Mobility Suite

Microsoft Azure

DEVELOPER + APP PLATFORM

Visual Studio Family + Azure App Service

DATA + ANALYTICS

Cortana Analytics Suite

INTERNET OF THINGS

Azure IoT Suite

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

28

Azure regions
HyperScale
around the world



India – Central, India – South, India – West

GENERALLY AVAILABLE

6 new regions announced: Canada Central, Canada East, Germany Central,
Germany North East, United Kingdom (2 – regions TBD)

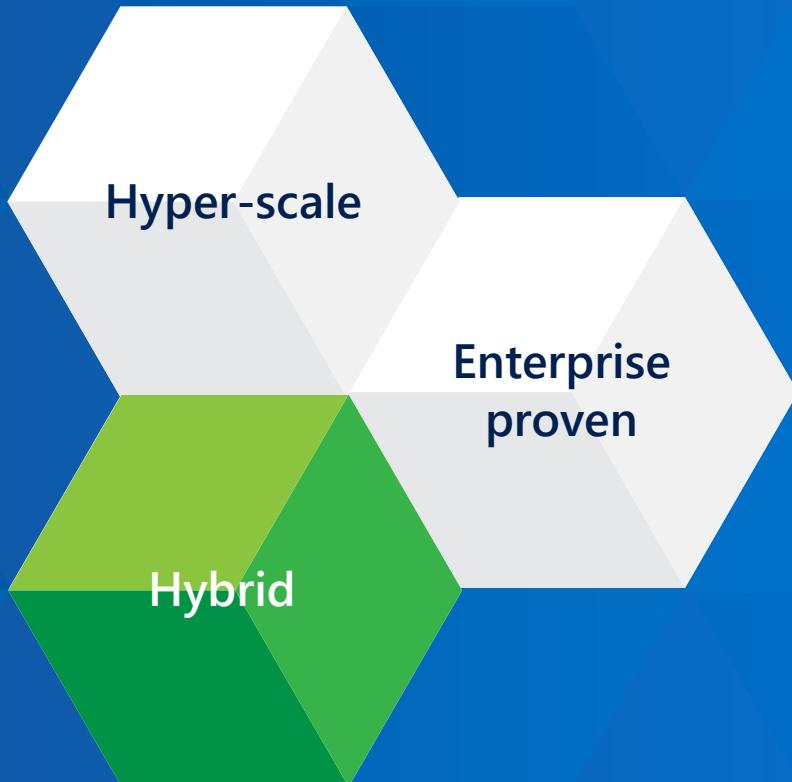


Hyper-scale

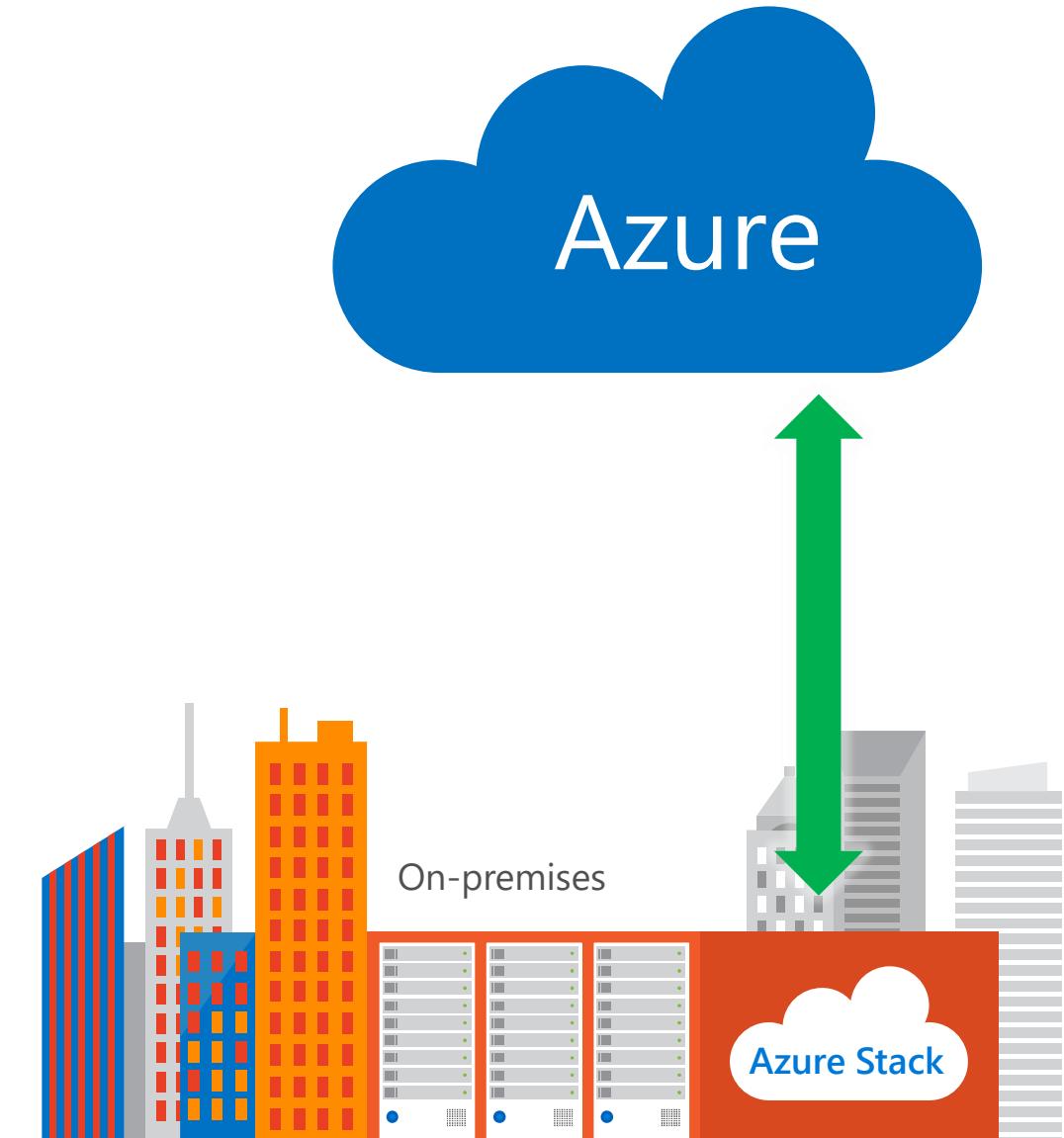
Enterprise
proven

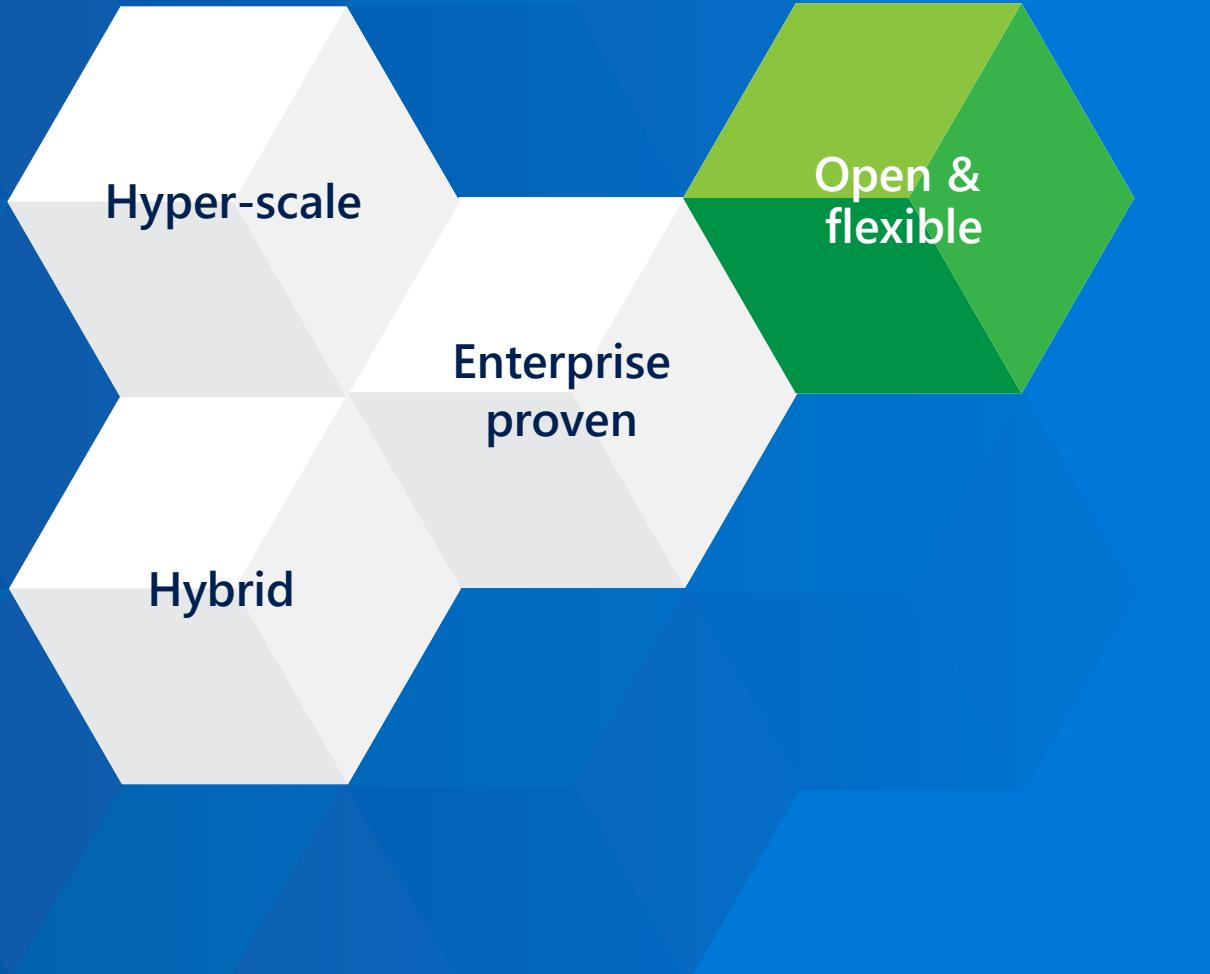
Hybrid

Azure



Hybrid





Open + Flexible

Management



Applications



App Frameworks

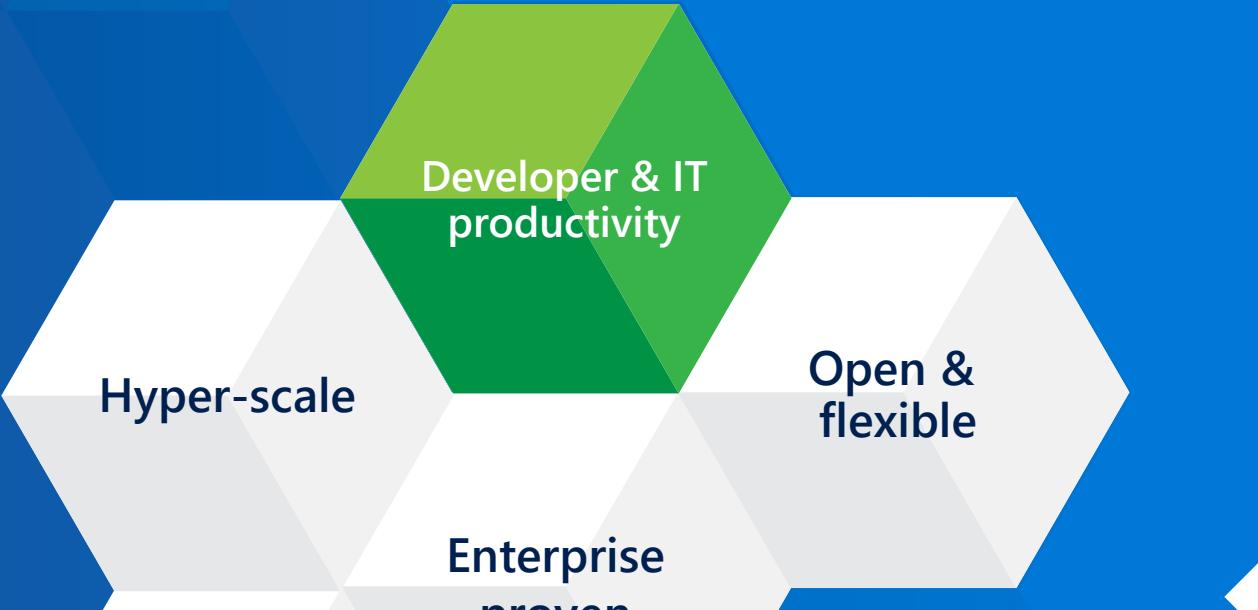


Databases & Middleware



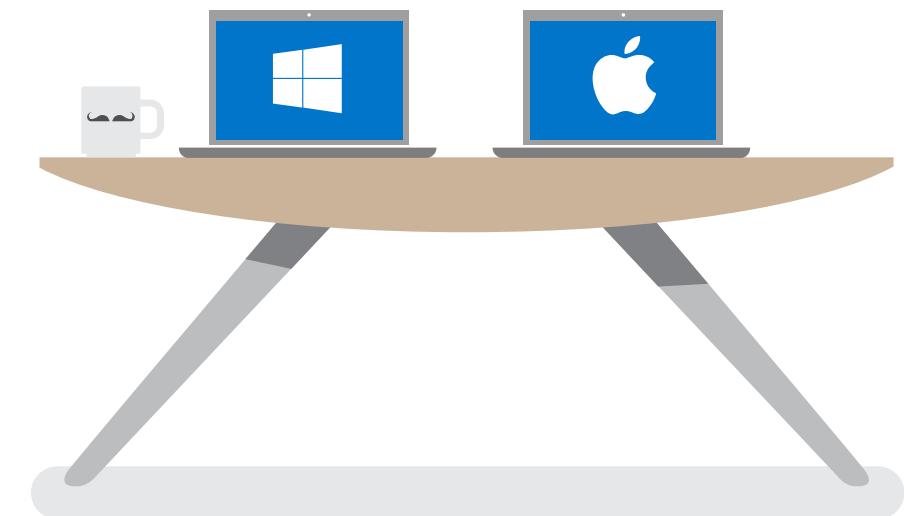
Infrastructure

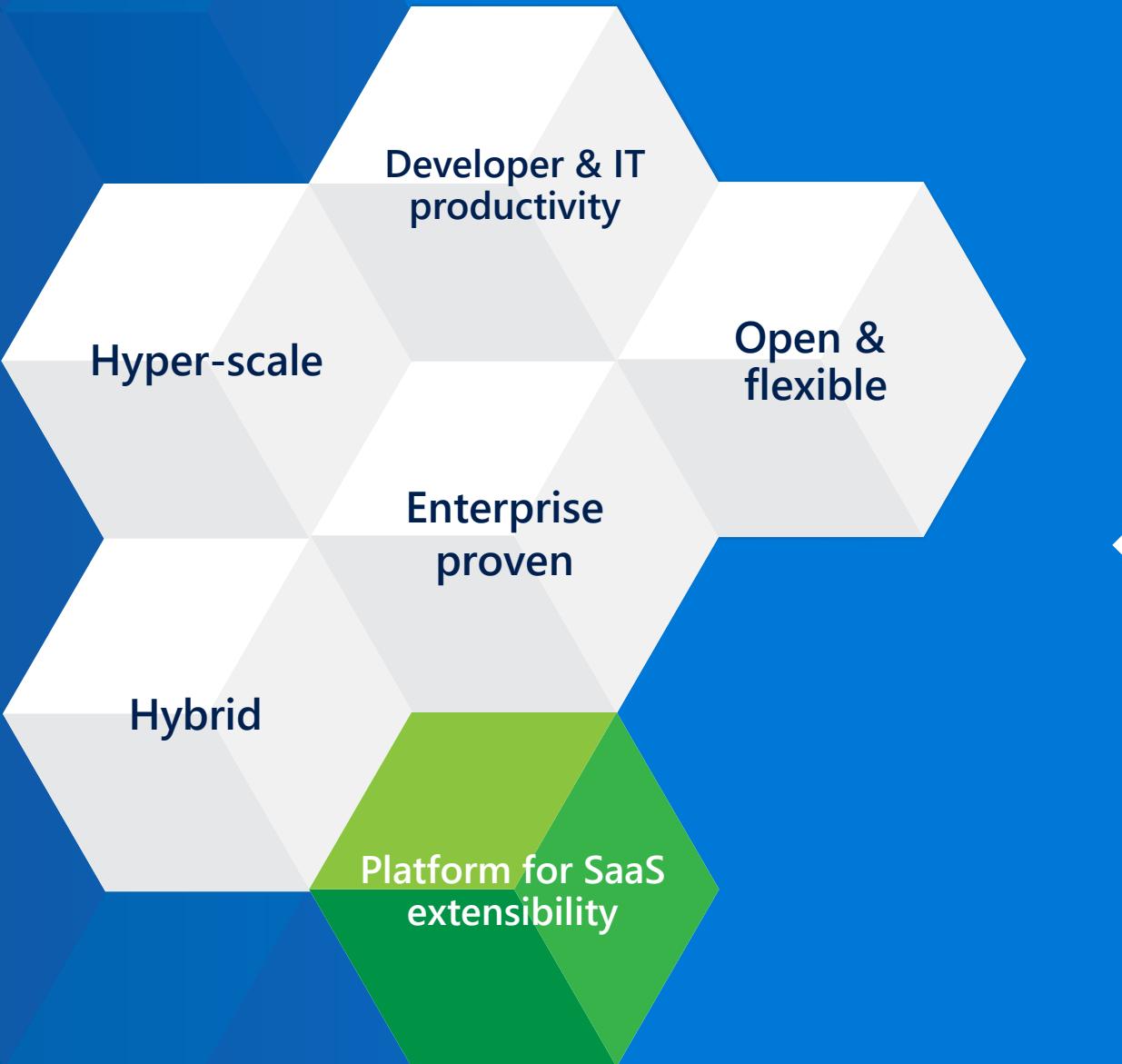




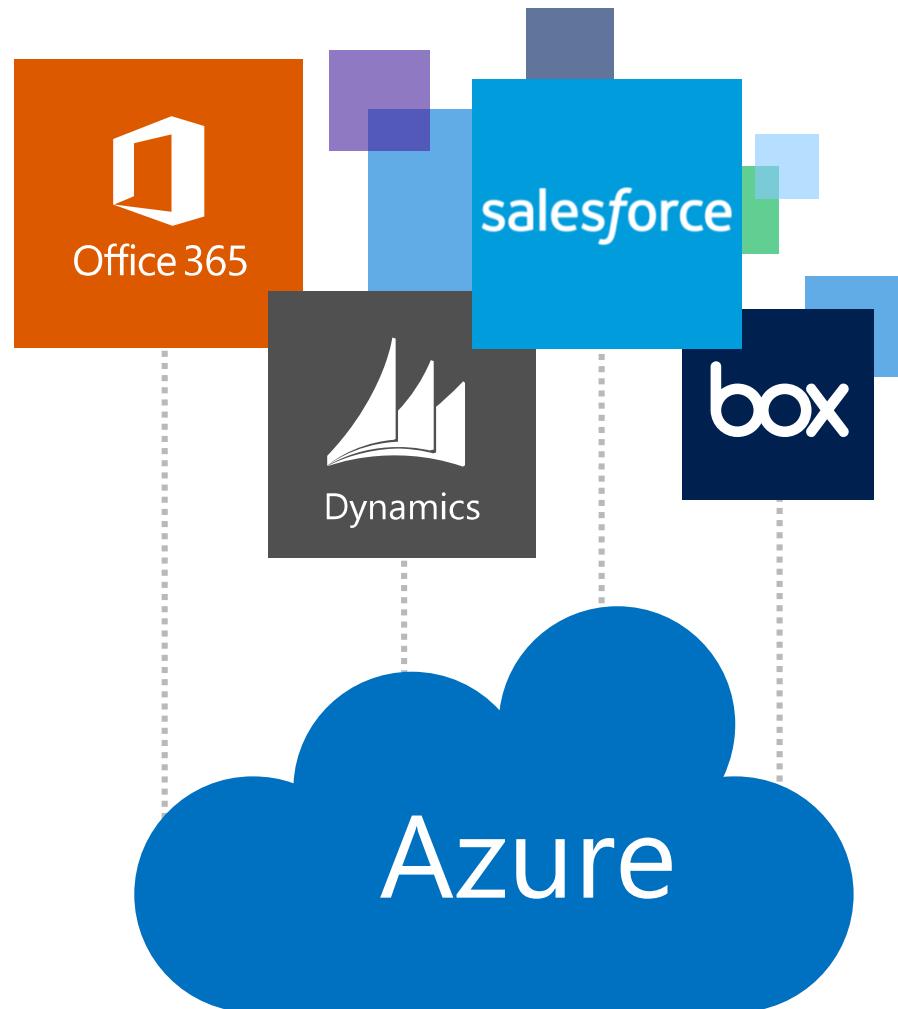
Dev + IT productivity

- Visual Studio
- GitHub
- Eclipse
- Chef + Puppet
- Powershell





SaaS extensibility





Trustworthy

More compliance certifications
than any other cloud



>90,000

New Azure customer
subscriptions/month

>1.5 Million

SQL Databases
running on Azure

>500 Million

Users in
Azure Active Directory

Azure momentum

1.5 Trillion

Messages per month
processed by Azure IoT

777 Trillion

Storage Transactions
per day

>40%

Revenue from
Start-ups and ISVs

>80%
of Fortune 500 use
the Microsoft Cloud



Leading the journey to the Cloud

Microsoft Azure

DEVELOPER + APP PLATFORM

Visual Studio Family + Azure App Service

DATA + ANALYTICS

Cortana Analytics Suite

INTERNET OF THINGS

Azure IoT Suite

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

Microsoft Azure

CLOUD INFRASTRUCTURE

Compute	Security + Management		Networking	Hybrid Operations
 Virtual Machines	 Active Directory		 Express Route	 Azure AD Connect Health
 Containers	 Multi-Factor Auth		 Virtual Network	 AD Privileged Identity Mgmt
 Remote App	 Automation		 Load Balancer	 Backup
 Batch	 Key Vault		 DNS	 Operational Insights
Storage			 Traffic Manager	 Import/Export
 Blob Storage	 Azure Files	 Premium Storage	 VPN Gateway	 StorSimple
			 Application Gateway	 Site Recovery

Getting started



Management portal



Scripting
(Windows, Linux and Mac)



REST API



Comprehensive
Networking

Select image and VM size



Windows Server



Linux

General Purpose

Basic

Standard

Optimized Compute

Performance Optimized

Network Optimized

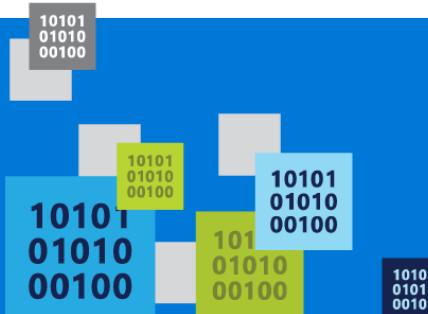
New disk persisted in storage

Boot VM from new disk



Cloud

Virtual Machines



Microsoft Azure Certified

Gallery Virtual machines

Home Virtual machines Web Mobile Developer services Media Data, storage, + backup Identity App + data services

Virtual machines

SharePoint Server Farm By Microsoft

You can now easily deploy a highly available SharePoint server farm in Azure. This is designed to help you achieve new levels of reliability and performance, delivering features and capabilities that simplify administration, protect communications

Create

Recommended

See All

Windows Server 2012 R2... By Microsoft Ubuntu Server 14.04 LTS By Canonical SharePoint Server Farm By Microsoft SQL Server 2014 Enterprise By Microsoft CentOS 6.5 By OpenLogic Oracle Database 12.1.0.1 Standard... By Oracle

Windows based

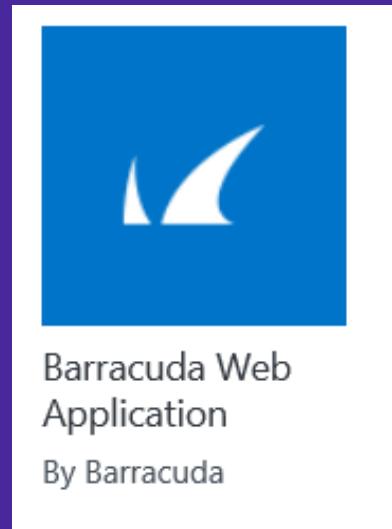
See All

Windows Server 2012 R2... By Microsoft SQL Server 2014 Standard By Microsoft SharePoint Server 2013 Trial By Microsoft BizTalk Server 2013 Enterprise By Microsoft Oracle Database 11g R2 and... By Oracle Oracle Database 11g R2... By Oracle

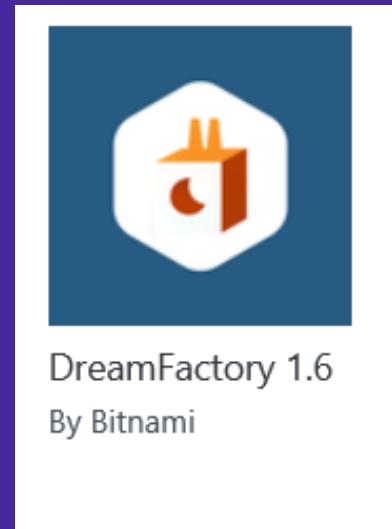
Linux based

See All

Ubuntu Server 14.04 LTS By Canonical Oracle Linux 6.4.0.0.0 By Oracle openSUSE 13.1 By SUSE CentOS 6.5 By OpenLogic Puppet Enterprise 3.2.3 By Puppet Labs Zulu 7 By Azul



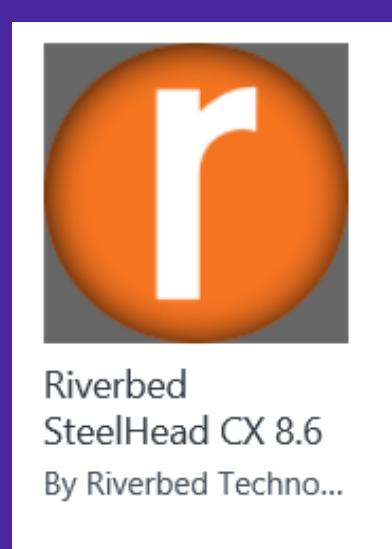
Barracuda Web Application
By Barracuda



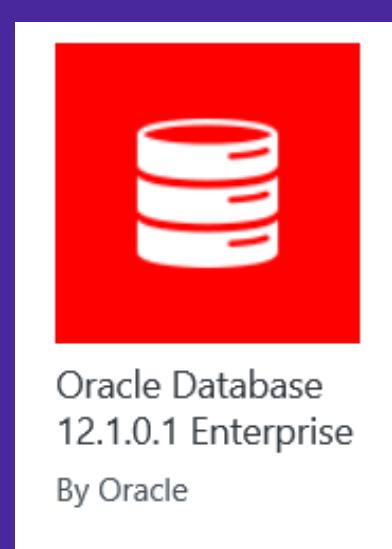
DreamFactory 1.6
By Bitnami



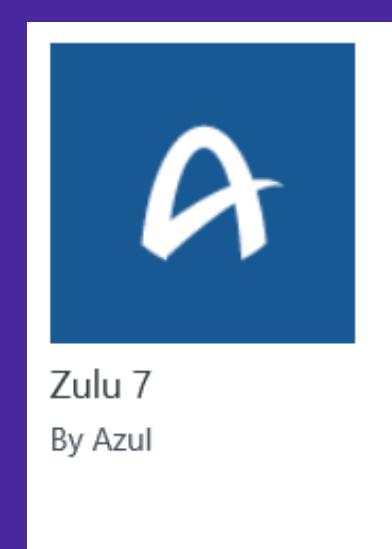
SAP HANA Developer Edition
By SAP



Riverbed SteelHead CX 8.6
By Riverbed Techno...

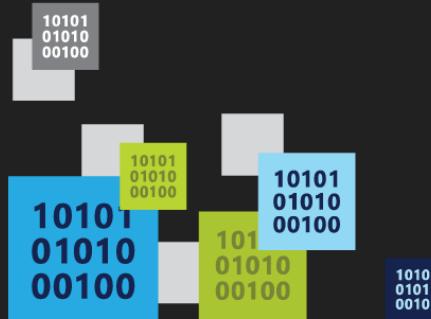


Oracle Database 12.1.0.1 Enterprise
By Oracle

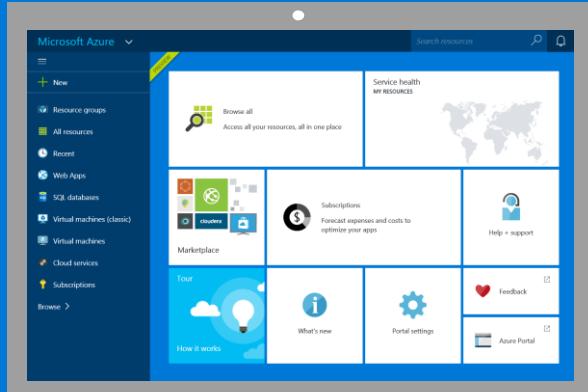


Zulu 7
By Azul

Demo: Azure Portal



Great Infrastructure Enhancements

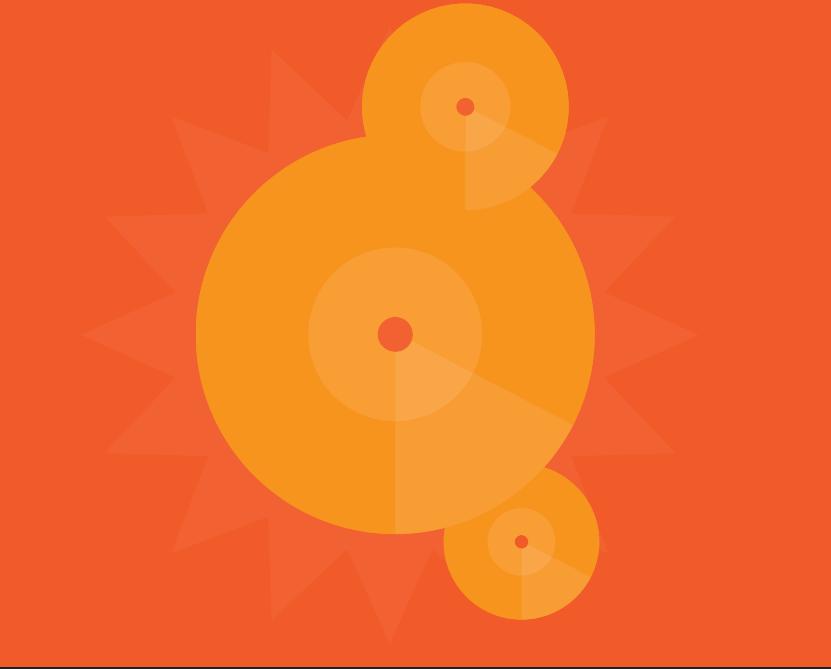


End to End Management

Integrated management portal
Application Templates
Lifecycle Management
Role Based Access Control
Billing API

Premium Storage

Up to 64 TB of storage per VM
>80,000 IOPS per VM
Less than 1ms read latency



Largest VMs in Public Cloud

Optimized for data workloads
Up to 32 CPU cores, 450 GB RAM,
6.5 TB local SSD
Latest generation Intel processor



- Game sessions hosted using Azure
- Hosted using >100,000 Azure Virtual Machines

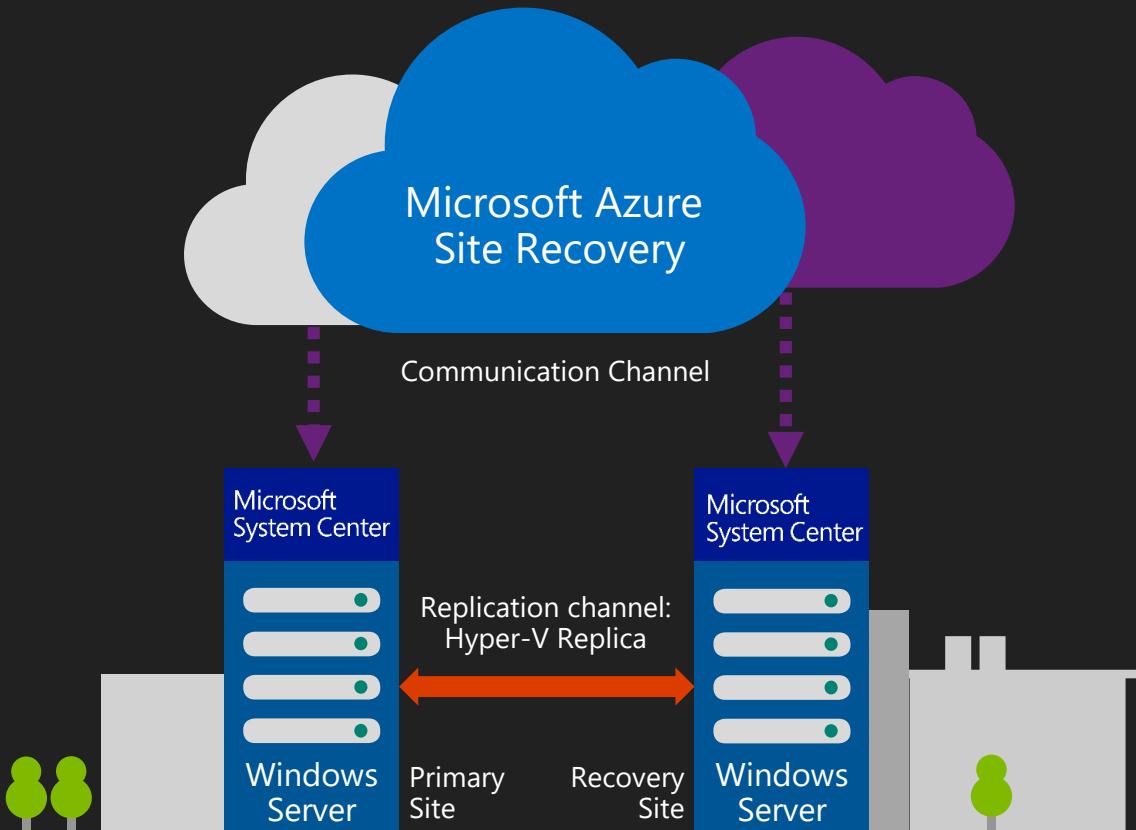


Announcing New **N** family of virtual machines

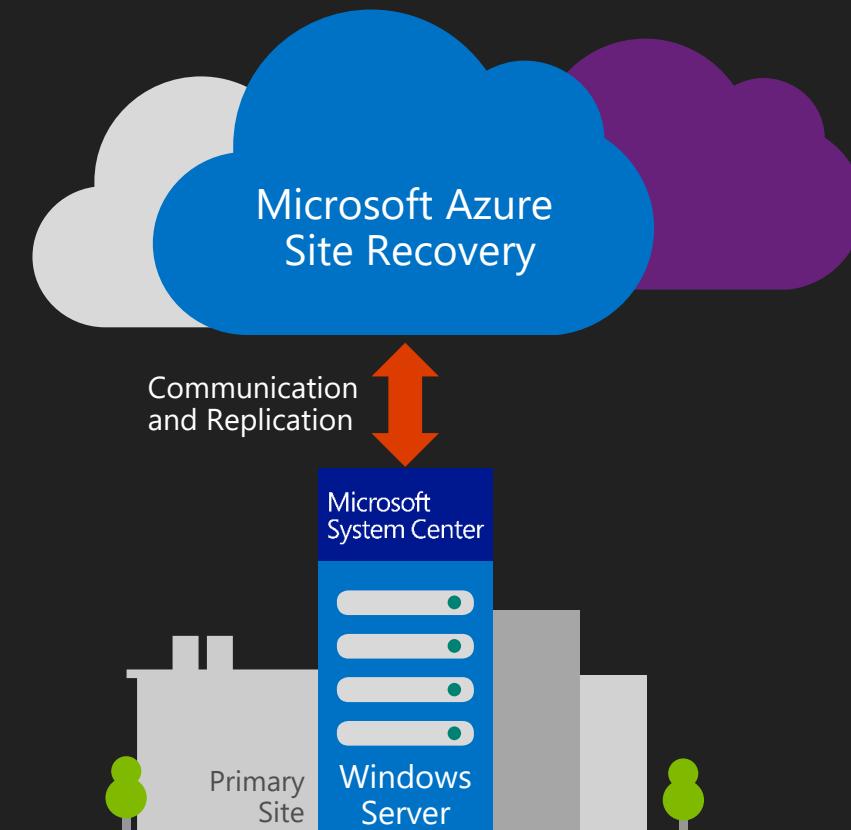
Latest NVIDIA GPU
Superfast RDMA network
High-end remote visualization

Microsoft Azure Site Recovery

Orchestrated disaster recovery to a second site or to Azure



- Automated VM protection and replication
- Remote health monitoring
- Customizable recovery plans



- No-impact recovery plan testing
- Orchestrated recovery when needed

Microsoft Azure: the journey to the Cloud

DEVELOPER + APP PLATFORM

App Platform Services



App Service



Notification Hubs



API Management



Service Fabric



Cloud Services

Integration



Storage Queues



BizTalk Services



Hybrid Connections



Service Bus

Development Tools



Visual Studio



Visual Studio Online



Application Insights



Azure SDK

Media & CDN



Content Delivery Network



Media Services

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

Agility

Visual Studio Online: Code Repository

The screenshot shows a code comparison interface in Visual Studio Online for the file `RoutingFares.cs`. The left pane displays the file's history with a list of commits, and the right pane shows the diff between two specific revisions: `f428c6` and `1030da`.

Left pane (File History):

- Commit `f428c6`:
 - Author: [Redacted]
 - Date: [Redacted]
 - Message: [Redacted]
- Commit `1030da`:
 - Author: [Redacted]
 - Date: [Redacted]
 - Message: [Redacted]

Right pane (Code Diff):

```
diff --git a/MyShuttle.Common/RoutingFares.cs b/MyShuttle.Common/RoutingFares.cs
--- a/MyShuttle.Common/RoutingFares.cs
+++ b/MyShuttle.Common/RoutingFares.cs
@@ -13,34 +13,34 @@ namespace MyShuttle.Common
     var fareExemption = default(uint);
 
     if (employee.Benefits.IncludesAllowance == false)
-    {
+    {
         return fareExemption;
     }
 
-    // Calculate location based allowance for employees
+    // Calculate location based allowance for employees
     uint locationAllowance = default(uint);
 
     switch (employee.Benefits.Location)
     {
         case Location.Metro:
             locationAllowance = Convert.ToInt32(Math.Ceiling(0.5 * employee.AnnualBas
-                break;
+                break;
         case Location.NonMetro:
             locationAllowance = Convert.ToInt32(Math.Ceiling(0.4 * employee.AnnualBas
-                break;
+                break;
         default:
             throw new InvalidLocationException();
     }
 
-    // Calculate default fare allowance for employees only
+    // Calculate default fare allowance for employees only
     var defaultHRA = 12 * employee.Benefits.MonthlyAllowance - Convert.ToInt32(Math.C
-    // uint deafultallowance = default (uint);
+    // uint deafultallowance = default (uint);
     // Calculate the minimum
     fareExemption = defaultHRA;
-    if (locationAllowance < defaultHRA)
+    if (locationAllowance < defaultHRA)
     {
         fareExemption = locationAllowance;
     }
 
-    //Check for maximum allowance for employees
+    //Check for maximum allowance for employees
     if (employee.AnnualTransportAllowance < fareExemption)
-
```

Visual Studio Online: Build + Deploy

The screenshot shows the Microsoft Visual Studio Online interface for managing build definitions. The URL in the address bar is <https://devopsconferences.visualstudio.com/DefaultCollection/>. The main navigation bar includes links for HOME, CODE, WORK, BUILD (which is highlighted in blue), TEST, RELEASE*, and SEARCH*. On the right side of the header, there is a user profile for Sachin Raj and a search bar for work items.

The left sidebar, titled "Explorer", contains sections for "My favorites", "Team favorites", "Build definitions", "XAML definitions", and "All XAML definitions". Under "Build definitions", the "MyShuttle-Android" definition is selected and highlighted with a blue border. The "Build" tab is active in the central content area, showing options for "Build", "Options", "Repository", "Variables", "Triggers", "General", "Retention", and "History".

In the "Build" tab, there is a "Save" button, a "Queue build..." button, and an "Undo" button. Below these buttons, there is a section titled "Add build step..." with a list of available steps:

- Xamarin License
- Activate Xamarin license
- Android Build
- Android Build
- Android Signing
- Signing and aligning APK file(s) \MyShuttle.Android\Myshuttle.apk** (This step is currently selected, indicated by a blue border around its icon and name.)
- NuGet Installer
- NuGet restore ***.sln
- MSBuild
- Build solution ***.sln
- Xamarin License
- Deactivate Xamarin license
- Xamarin Test Cloud
- Test MyShuttle.sln with Xamarin.UITest in Xamarin Test Cloud
- Publish Build Artifacts
- Publish Artifact:j

On the right side of the screen, there are three configuration panels:

- Jarsigner Options**: Includes fields for "Sign the APK" (checked), "Keystore File" (\keystore), "Keystore Password", "Alias", "Key Password", and "Jarsigner Arguments" (-verbose -sigalg MD5withRSA -digestalg SHA1).
- Zipalign Options**: Includes fields for "Zipalign" (checked) and "Zipalign Location".
- Control Options**: Includes checkboxes for "Enabled" (checked), "Continue on error" (unchecked), and "Always run" (unchecked).

At the bottom of the configuration area, there is a link labeled "More Information".

Visual Studio Online: Load Testing

Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Test Load Test Analyze Window Help

Debug Any CPU Start

sampleloadtest [11:24 PM] Completed_LoadTest1.loadtest_346 Completed_SampleLoadTest.loadtest_350 Load Test Manager

Test Completed 40 threshold violations 1001 errors

Counters

- Overall
- Scenario1
 - Tests Running
 - User Load
 - WebTest1
 - Avg. Requests/Test
 - Avg. Test Time
 - Failed Tests
 - Failed Tests/Sec
 - Pages
 - myappreproduction.azurewebsites.net
 - Passed Tests
 - Passed Tests/Sec
 - Requests
 - Tests/Sec
 - Total Tests
 - Computers
 - Errors

Key Indicators

Page Response Time

System under Test

Controller and Agents

Counter Instance Category Computer Color Range Min Max Avg.

Counter	Instance	Category	Computer	Color	Range	Min	Max	Avg.
Key Indicators								
User Load	_Total	LoadTest:Scenario1	ELSCONTROLLE	Red	100	50	50	50
Pages/Sec	_Total	LoadTest:Page	ELSCONTROLLE	Green	1,000	33.7	566	431
Avg. Page Time	_Total	LoadTest:Page	ELSCONTROLLE	Blue	10	0.048	1.11	0.073
Errors/Sec	_Total	LoadTest:Errors	ELSCONTROLLE	Magenta	1,000	0	566	422
Threshold Violations/Sec	_Total	LoadTest:Errors	ELSCONTROLLE	Orange	1	0.27	0.27	0.27
Passed Tests	WebTest1	LoadTest:Test	ELSCONTROLLE	Teal	10,000	505	2,709	2,451
Page Response Time								
Avg. Page Time	myappreprodu...	LoadTest:Page	ELSCONTROLLE	Red	2	0.048	1.11	0.073
System under Test								
Controller and Agents								

Solution Explorer

Solution 'WebAndLoadTestProject2' (1 project)

- Solution Items
 - Local.testsettings
 - WebAndLoadTestProject2
 - Properties
 - References
 - WebTest1.webtest

Solution Explorer Team Explorer Class View

Properties

WebAndLoadTestProject2 Solution Properties

Misc	WebAndLoadTestProject2
(Name)	WebAndLoadTestProject2
Active config	Debug Any CPU
Description	C:\Users\manas\documents\vis
Path	C:\Users\manas\documents\vis
Startup project	WebAndLoadTestProject2

(Name)
The name of the solution file.

Application Insights and Hockey App

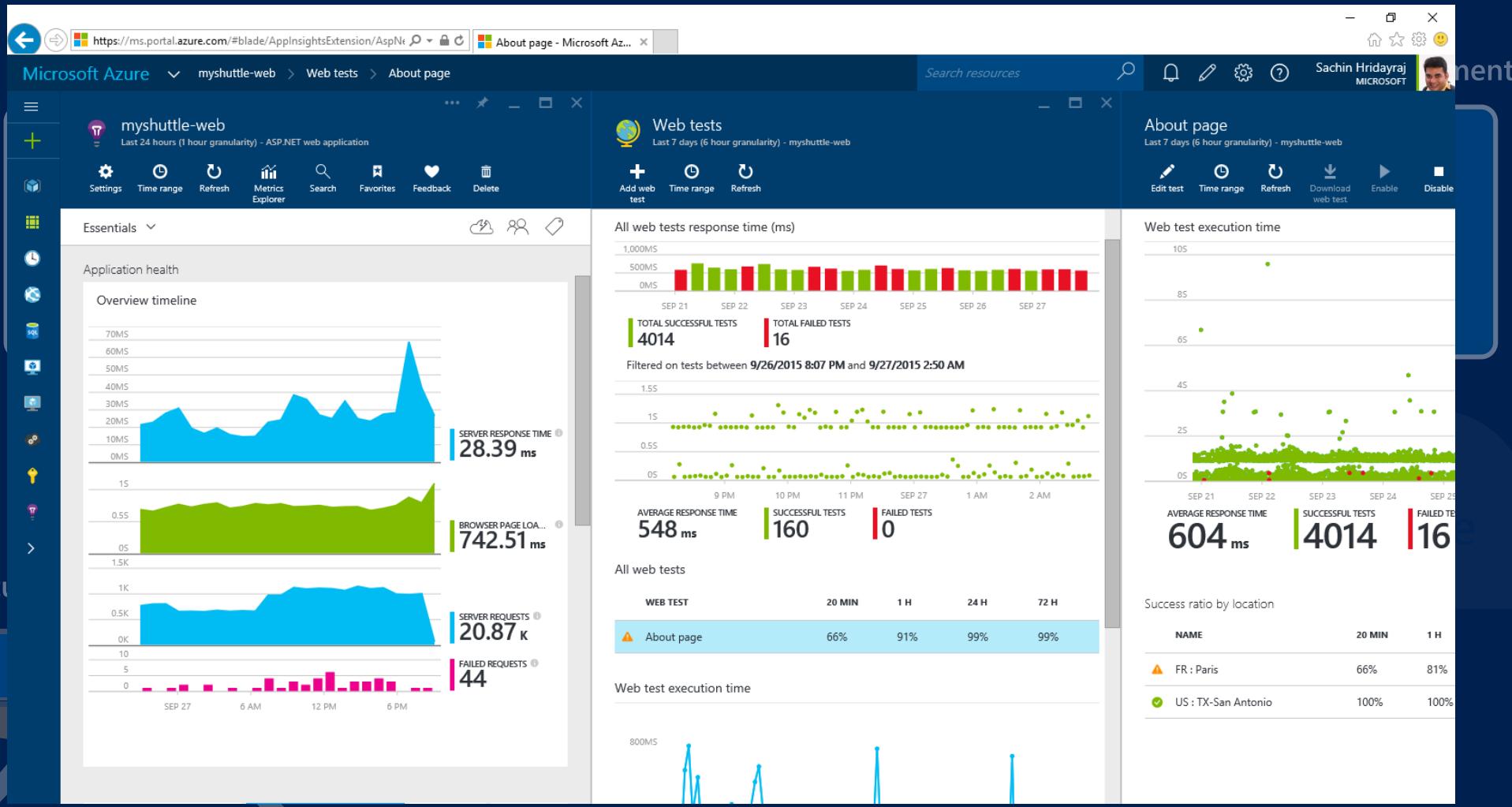
Visual Studio Online: Release Management

The screenshot shows the Microsoft Visual Studio Online Release Management service interface. The top navigation bar includes links for ALM Marketing, ALM Team, Azure, Microsoft, Dog Food Build, StoryMaps - Visual Studio, Windows Azure, Role Guide, Marketing, AI Demo, and Codesigning Service. The main menu bar has options for HOME, CODE, WORK, BUILD, TEST, RELEASE*, and SEARCH *. A user profile for Sachin Raj is visible on the right.

The left sidebar features an 'Explorer' section with a message about the preview version of the service. It lists 'Release Definitions' under 'All release definitions', including MyShuttle CRM, MyShuttle IT, MyShuttle Plat, MyShuttle Web, MyShuttle-Temp, PartsUnlimited, and Tracking Service. Each definition has a summary card showing artifact counts, deployment stages (Dev, QA, Prod), dates, and a bar chart indicating progress or status.

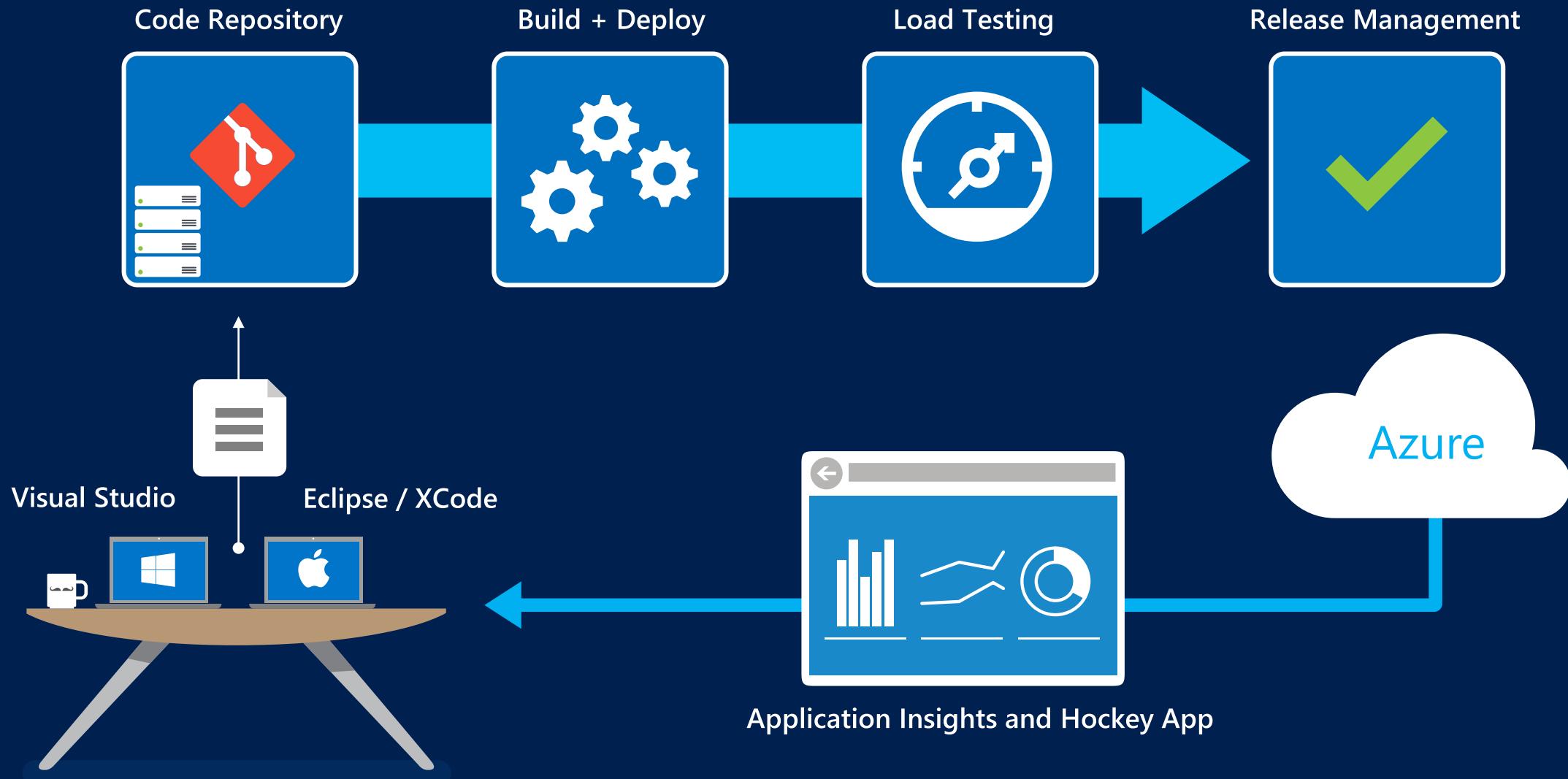
Release Definition	Stage	Name	Date	Status
MyShuttle CRM	Dev	CRM 2.0	4/27/2015	Green (High Progress)
	QA	CRM 1.7	4/27/2015	Green (High Progress)
	Prod	CRM 1.5	4/27/2015	Green (High Progress)
MyShuttle IT	QA	ITWeb 3.4	4/25/2015	Green (High Progress)
	Prod	ITWeb 3.2	4/25/2015	Green (High Progress)
	MyShuttle Plat	Dev	Release.20150915155247	9/15/2015
QA				Grey (No Progress)
MyShuttle Web		Dev	Release.20150529002320	5/29/2015
	QA	Release.20150529002320	5/29/2015	Red (Low Progress)
	Prod	Release.20150527153631	5/27/2015	Green (High Progress)
MyShuttle-Temp	Default Environment	Release.20150714142139	7/14/2015	Red (Low Progress)

Visual Studio Online: Application Insights



Application Insights and Hockey App

Visual Studio Online: DevOps



Azure App Service

Build and scale great cloud apps



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

Auto patching

Auto scale

Integration with existing apps

Continuous deployment

1) Select your App Service



web app



mobile app



API app



logic app

2) Select a template and create your web app

Change language: Default



ASP.NET
Starter
Site



django



ExpressJS



HTML5 Empty Site



Java Coffee Shop



PHP Starter Site

Create

Try App Service Today

Azure App Service Web Apps



Start simple

Easily create and scale your new sites in seconds

Automatically scale your sites that scale with your business

Quickly improve performance and reduce latency with right resources

Built-in web jobs support

Office Blog



Code smart

Leverage existing skills – Languages and databases you know

Start with open source apps and frameworks

Develop with VS and WebMatrix

Supports X-Plat development

ASP.NET site



Go live

Improve developer productivity through continuous automated deployment

Built-in monitoring of perf and usage data

Built-in diagnostics to assist with debugging

Built for DevOps

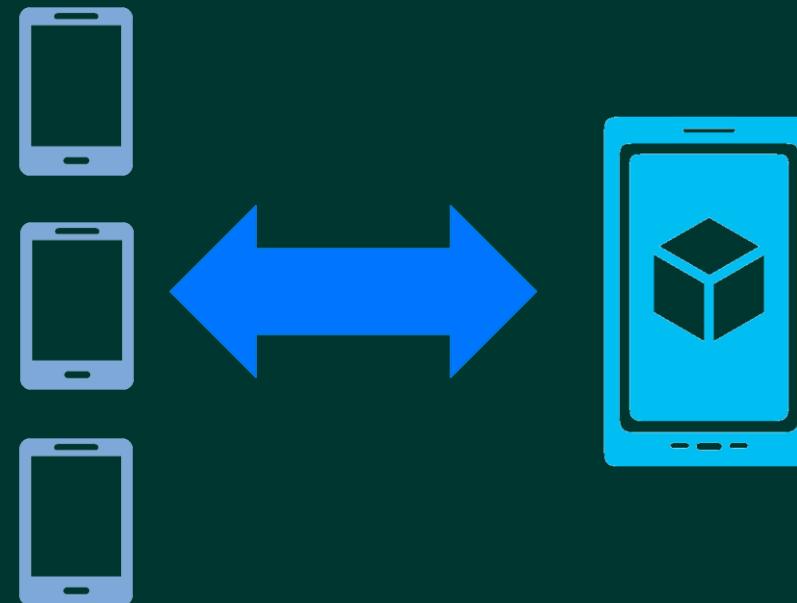
microsoft.com

Azure App Service Mobile Apps

- Provides essential services to support client development

- Client Support

- iOS
- Android
- HTML5/Web
- Xamarin
- Windows
- Windows Phone
- PhoneGap
- Sencha



Storage



Authentication



Logic



Push



Scheduler

Microsoft Azure

DATA + ANALYTICS

Data



SQL Database



SQL Data
Warehouse



DocumentDB



Data Lake



Redis Cache



Tables



Search

Analytics



HDInsight



Data Factory



Machine
Learning



Mobile
Engagement

INTERNET OF THINGS

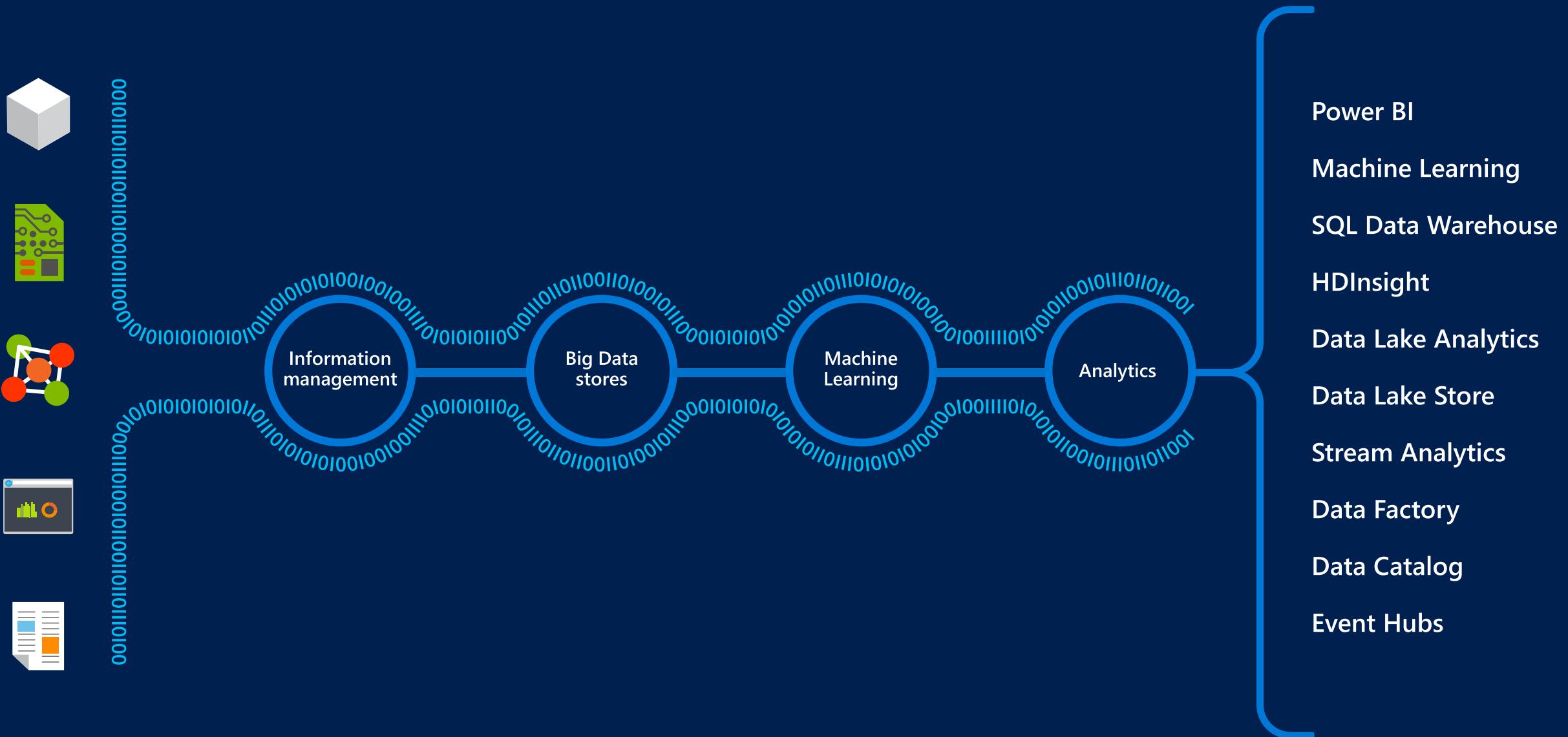
Azure IoT Suite

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite



Intelligent action



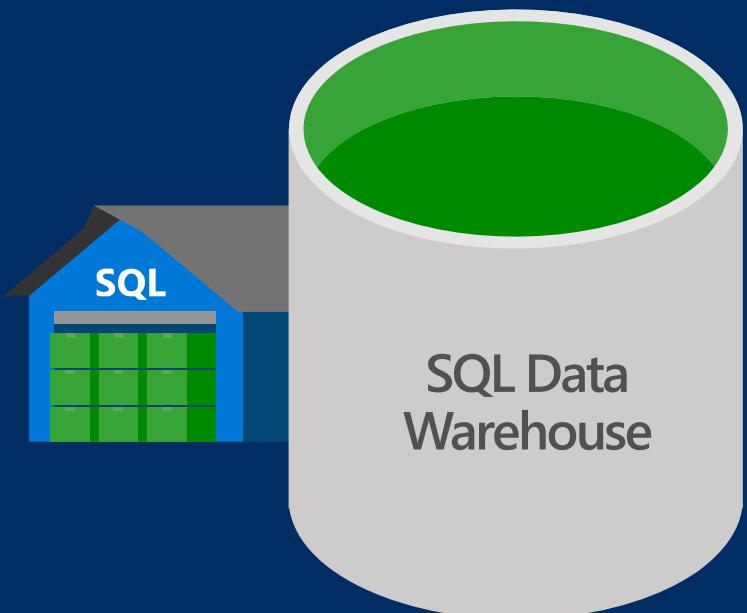
Cortana Analytics Suite



Cortana Analytics Suite

Transform data into intelligent action



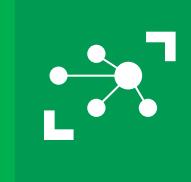


SQL Data Warehouse

Aggregate + store petabytes of data
Interactively query and visualize data
Operationalize machine learning

Microsoft Azure

INTERNET OF THINGS



IoT Hub



Stream
Analytics



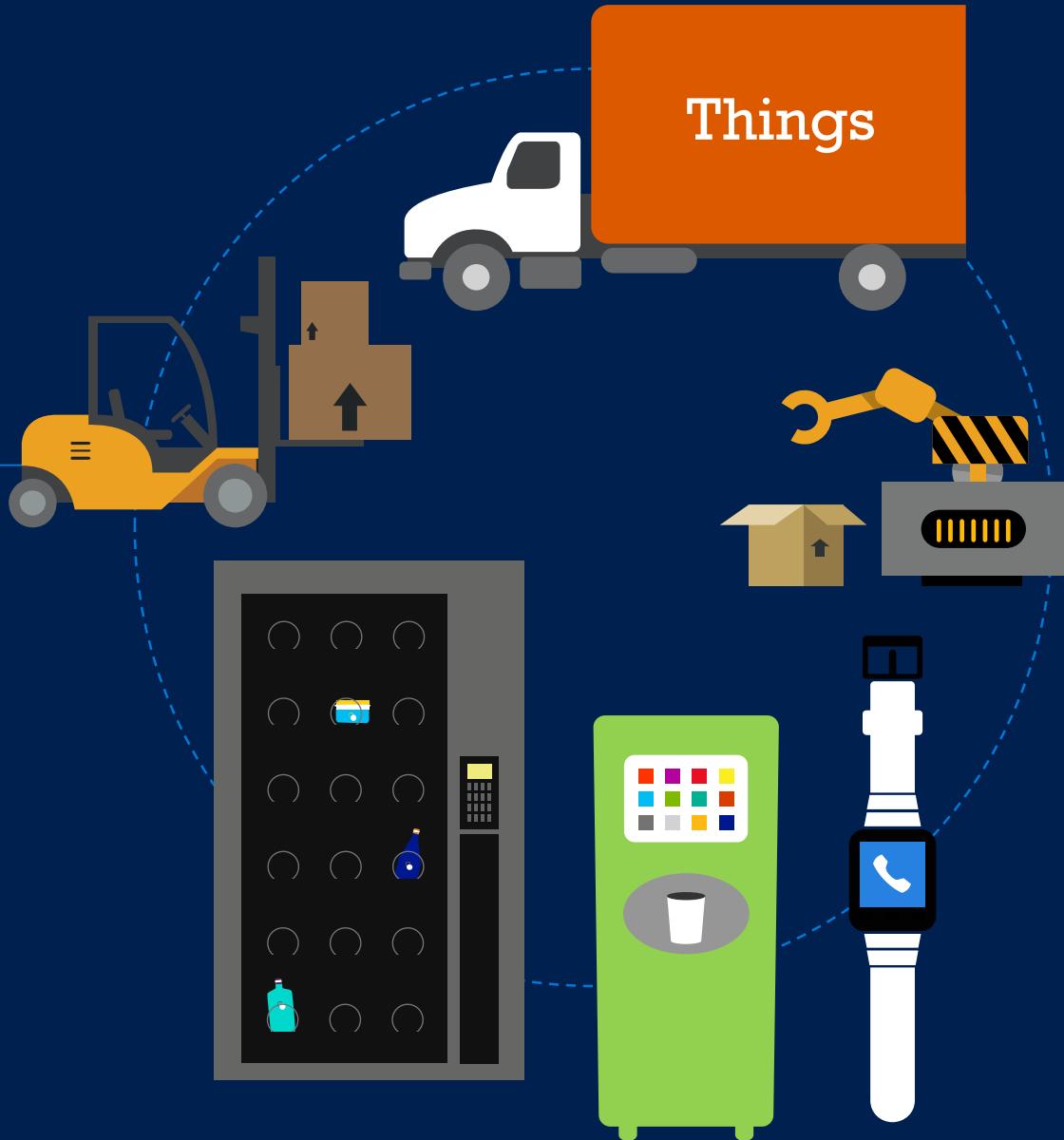
Logic Apps

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

Now Available to Purchase Azure IoT Suite

Device Connectivity and Security
Data Ingestion and Command & Control
Stream Processing & Predictive Analytics
Workflow Automation
Dashboards and Visualization
Preconfigured Solutions



InPrivate IoT Device Portal - Dash +

stevehobiotdemo.azurewebsites.net/Dashboard/Index

Microsoft Azure IoT Suite StevehobTDemo stevehob@iots01.onmicrosoft.com ADMINISTRATOR Sign Out

DASHBOARD

DEVICES

RULES

ACTIONS

ADD A DEVICE

Map showing locations in Seattle and surrounding areas, including Redmond, Kirkland, Bellevue, and Medina.

Device to View: SampleDevice001_967

Telemetry History

Humidity • Temperature

Alarm History

TIME	DEVICE ID	RULE OUTPUT	VALUE
09/26/2015 9:29:01 AM	SampleDevice001_967	AlarmTemp	43.540
09/26/2015 9:29:01 AM	SampleDevice001_967	AlarmHumidity	31.201
09/26/2015 9:27:30 AM	SampleDevice001_967	AlarmTemp	43.848
09/26/2015 9:27:30 AM	SampleDevice001_967	AlarmHumidity	34.283
09/26/2015 9:25:58 AM	SampleDevice001_967	AlarmTemp	43.639
09/26/2015 9:25:58 AM	SampleDevice001_967	AlarmHumidity	32.192
09/26/2015 9:24:26 AM	SampleDevice001_967	AlarmTemp	43.332
09/26/2015 9:24:26 AM	SampleDevice001_967	AlarmHumidity	29.125

Max of device humidity: 41.81

Min of device humidity: 25.88

Average of device humidity: 33.76

Links ▾ 9:30 AM 9/26/2015

IoT Device Portal - Devi X +

stevehobiotdemo.azurewebsites.net/DeviceRules/Index

Microsoft Azure IoT Suite ① StevehobTDemo stevehob@iots01.onmicrosoft.com ADMINISTRATOR Sign Out

DASHBOARD DEVICES RULES ACTIONS ADD A DEVICE

Rules (10)

STATUS	RULE ID	DEVICE ID	DATA FIELD	OPERATOR	THRESHOLD	RULE OUTPUT
Enabled	435a07fd-7897-47ef-abd2-c2d97b83613d	SampleDevice001_750	Temperature	>	42	AlarmTemp
Enabled	c5e59a36-fa2c-4f38-8b2a-a8975e494e6a	SampleDevice001_750	Humidity	>	45	AlarmHumidity
Enabled	444569d9-93b1-4b4f-80b4-92f8c6a1f463	SampleDevice001_967	Humidity	>	48	AlarmHumidity
Enabled	cba47df7-fe4b-4406-ab21-2712279bbf27	SampleDevice001_967	Temperature	>	38	AlarmTemp
Enabled	2870f066-4b2b-40c7-b383-ebd84733d1b5	SampleDevice002_967	Humidity	>	57	AlarmHumidity
Enabled	e3af247f-3111-48d5-9b88-9980749129b2	SampleDevice002_967	Temperature	>	45	AlarmTemp
Enabled	3dfa65c5-6694-4b41-988c-244c2179ab52	SampleDevice003_967	Temperature	>	45	AlarmTemp
Enabled	44c233be-2eb7-420a-b7e8-abafaa5a20e6	SampleDevice003_967	Humidity	>	54	AlarmHumidity
Enabled	5c9ebf03-21b3-48c5-85be-5643ebdf5fbb	SampleDevice004_967	Humidity	>	64	AlarmHumidity
Enabled	d165156b-9068-4df2-84ec-5225795a313b	SampleDevice004_967	Temperature	>	47	AlarmTemp

Properties

Device Properties

DEVICE ID
SampleDevice001_967

Rule Status

Disable Rule

Rule Properties Edit

DATA FIELD
Temperature

OPERATOR
>

THRESHOLD
38

RULE OUTPUT
AlarmTemp

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Internet of Things

**Rockwell
Automation**



 **ThyssenKrupp**



OPENTEXT™

NASDAQ OMX

EASTMAN

 Lufthansa Systems
IT that makes your life easier

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ThyssenKrupp

Delivering secure apps

Announcing Azure Security Center

Gain visibility and control

Integrated security, monitoring, policy management

Built in threat detections and alerts

Works with broad ecosystem of security solutions



All resources - Microsoft X +

ms.portal.azure.com/

Microsoft Azure > Security Center Connor MacLeod

Security Center

Filter

Prevention

Resources health

VIRTUAL MACHINES

NETWORKING

SQL

APPLICATIONS

Recommendations

12 TOTAL

Security policy

QUICKSTART

HIGH SEVERITY 14 MEDIUM SEVERITY 26 LOW SEVERITY 2

Detection

Security alerts

6

4

2

0

27 28 29 30 31 2/1 2 4 5 6 7 8 9 10 11 12 13 14 15

HIGH SEVERITY 1 MEDIUM SEVERITY 13 LOW SEVERITY 15

The dashboard displays various security metrics across different resource categories. In the Prevention section, there are four horizontal bar charts for Virtual Machines, Networking, SQL, and Applications, each showing a breakdown of resources by severity (High, Medium, Low). A circular chart shows a total of 12 recommendations. In the Detection section, a bar chart shows the count of security alerts per day, with a total of 13 medium-severity alerts and 15 low-severity alerts.

All resources - Microsoft X + ms.portal.azure.com/ Connor MacLeod

Microsoft Azure > Security Center > Recommendations > Add a Web Application Firewall

Security Center

Prevention

Resources health

VIRTUAL MACHINES: 7 (High: 3, Medium: 4, Low: 0)

NETWORKING: 8 (High: 2, Medium: 3, Low: 3)

SQL: 8 (High: 3, Medium: 5, Low: 0)

APPLICATIONS: 8 (High: 2, Medium: 3, Low: 3)

HIGH SEVERITY: 14 | MEDIUM SEVERITY: 26 | LOW SEVERITY: 2

Recommendations

12 TOTAL

Security policy

QUICKSTART

Detection

Security alerts

6

4

2

0

27 28 29 30 31 2/1 2 4 5 6 7 8 9 10 11 12 13 14 15

HIGH SEVERITY: 1 | MEDIUM SEVERITY: 13 | LOW SEVERITY: 15

Recommendations

PREVENTION STEPS

Filter

DESCRIPTION	RESOURCE	STATE	SEVERITY
Enable Data Collection	subscription1	Resolved	High
Enable Antimalware	4 Virtual Machi...	Resolved	High
Add a Web Application Firewall	retail.contoso.c...	Open	High
Enable Network Security Groups	4 Subnets	Open	High
Enable Auditing on 3 SQL servers	5 SQL servers	Open	High
Enable Transparent Data Encryption on 7 SQL d...	7 SQL Databases	Open	High
Restrict access through public external endpoint	2 Subnets	Open	High
Apply 5 security updates	5 Virtual Machi...	Open	High
Resolve 7 baseline rules mismatch	5 Virtual Machi...	Open	High
Enable multi factor authentication	5 Users	Open	High
Configure ACLs for 6 endpoints	4 Virtual Machi...	Open	Medium
Reroute traffic through Web Application Firew...	2 Web Apps	In Progress	Medium

Add a Web Application Firewall

CHOOSE THE WEB APPLICATION FIREWALL YOU WANT TO USE

Use existing web application firewall

contoso-waf F5 BIG-IP WAF BYOL >

- Or -

Create new web application firewall

Barracuda Web Application F... Barracuda Networks Inc >

F5 BIG-IP WAF BYOL F5 Networks >

iMPERVA iMPERVA Networks >

INCAPSULA Incapsula Networks >

Cloud Flare Cloud Flare Networks >

All resources - Microsoft X + ms.portal.azure.com/ Connor MacLeod

Microsoft Azure > Security Center > Security alerts > Brute Force attempts were detected

Security Center

Prevention

Resources health

VIRTUAL MACHINES: HIGH SEVERITY 14, MEDIUM SEVERITY 26, LOW SEVERITY 2

NETWORKING: HIGH SEVERITY 14, MEDIUM SEVERITY 26, LOW SEVERITY 2

SQL: HIGH SEVERITY 14, MEDIUM SEVERITY 26, LOW SEVERITY 2

APPLICATIONS: HIGH SEVERITY 14, MEDIUM SEVERITY 26, LOW SEVERITY 2

Recommendations: 12 TOTAL

Security policy

QUICKSTART

Detection

Security alerts

HIGH SEVERITY 1, MEDIUM SEVERITY 13, LOW SEVERITY 15

Security alerts

Filter

High Severity: 1
Medium Severity: 13
Low Severity: 15

Brute Force attempts were detected

ATTACKER IP: 90.150.112.27
ATTACKER LOCATION: Russia

RDP activity per hour

Threat map

World map showing threat activity with a dashed line and markers.

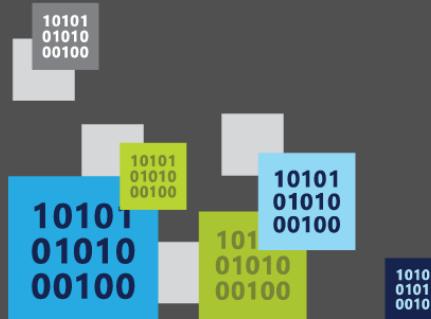
Infrastructure

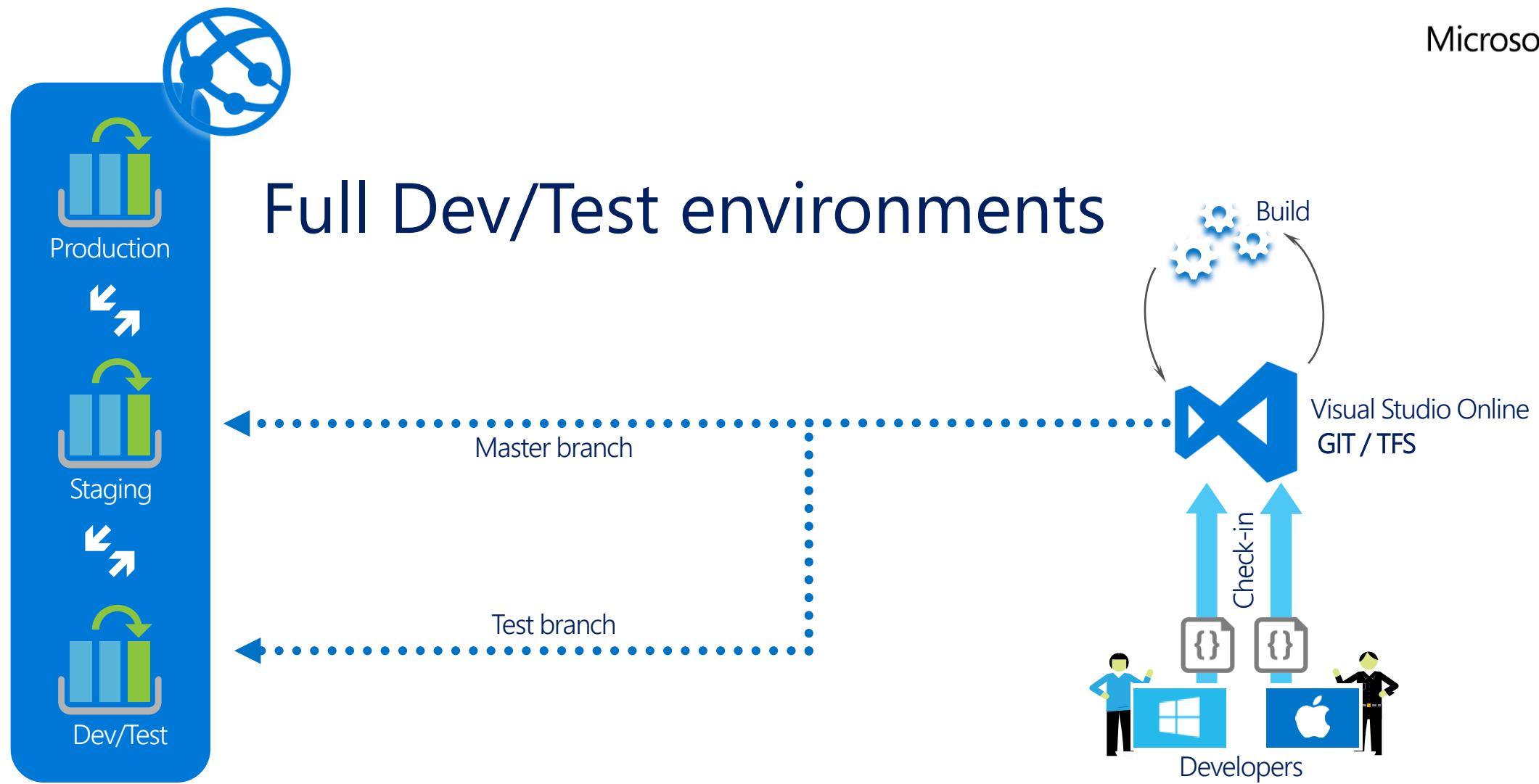




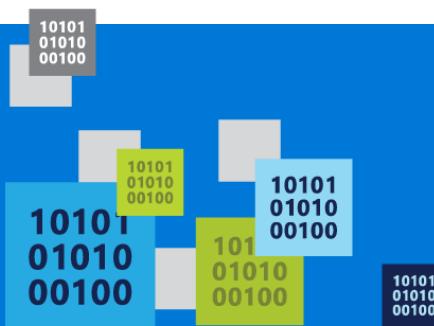
United Nations

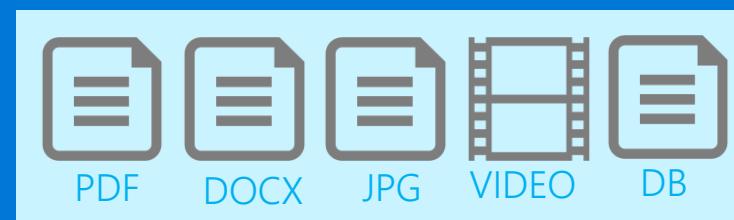
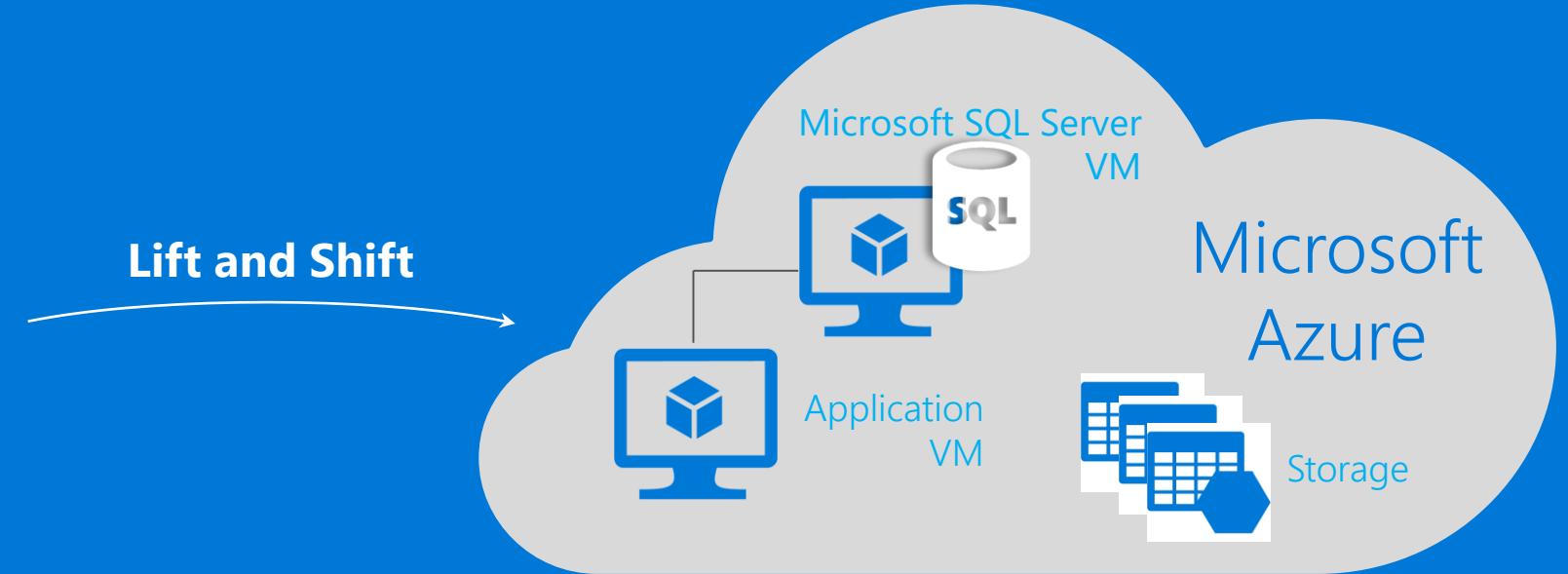
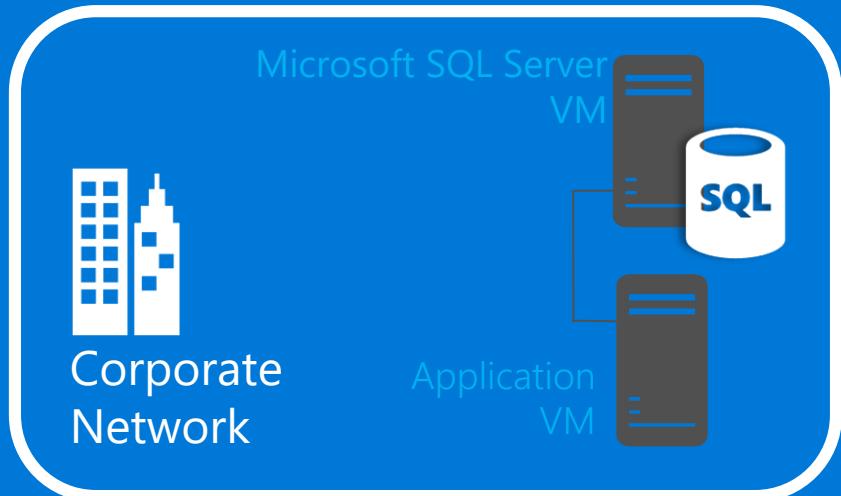
Key Scenarios to Get Started with Microsoft Azure



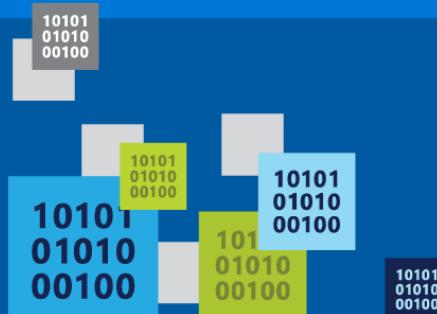


Key Scenarios to get started with
Microsoft Azure

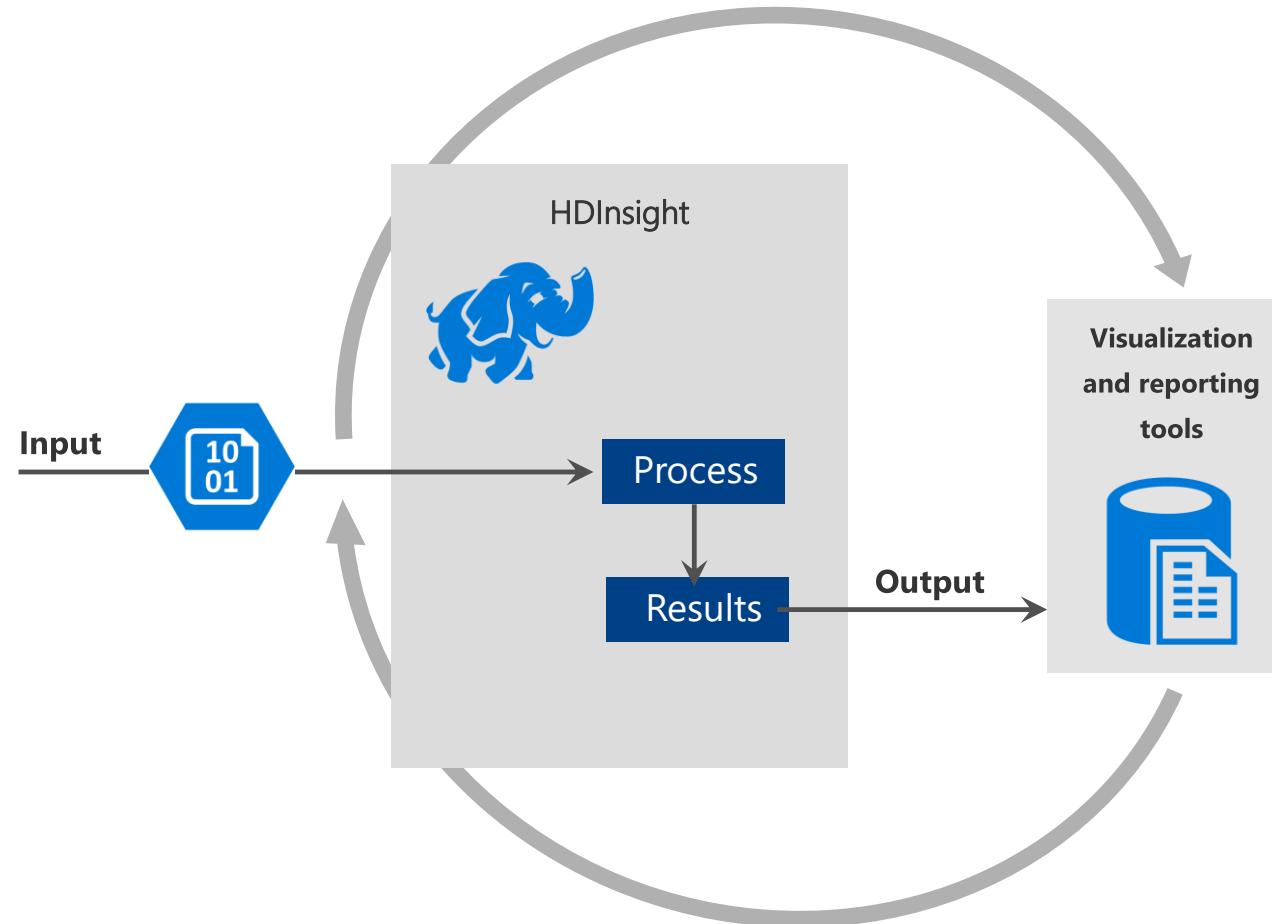




Archive
key data inexpensively

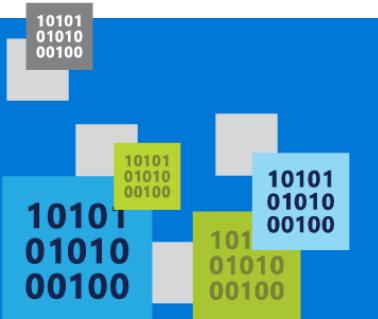


Key Scenarios to get started with Microsoft Azure

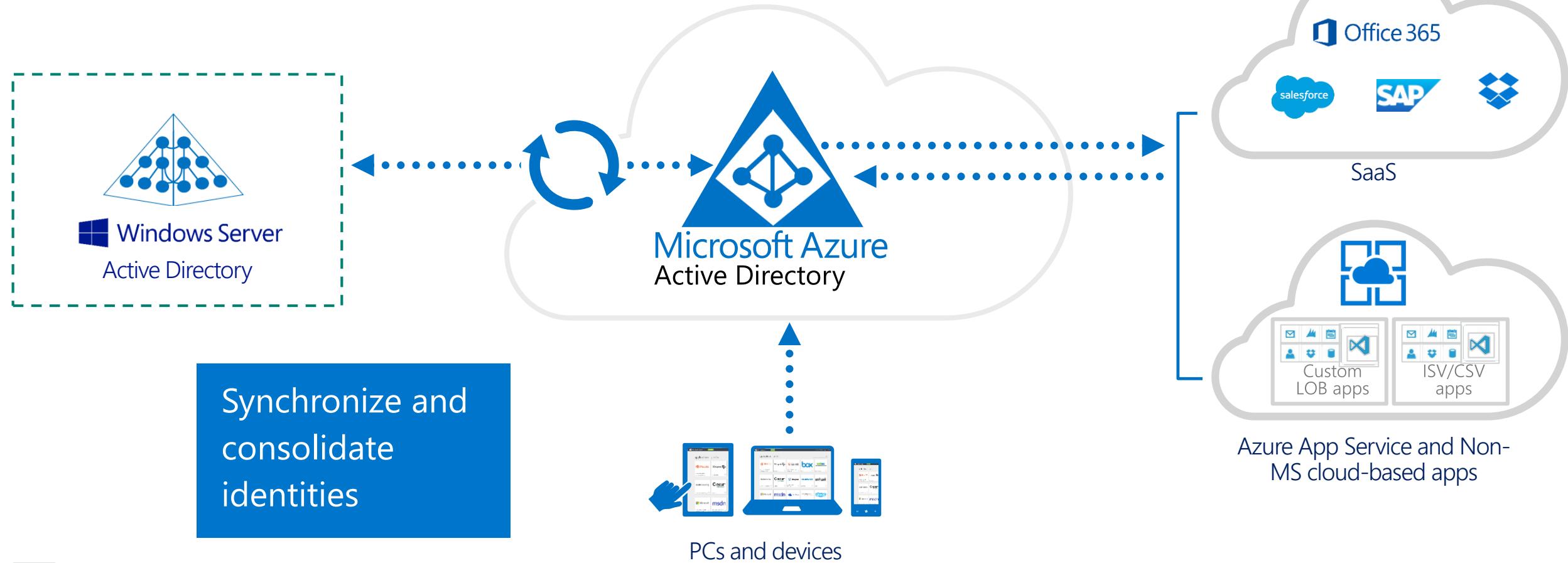


Iterative exploration - Process key data into business intelligence using Hadoop

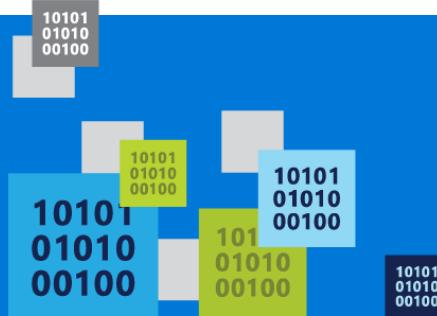
Key Scenarios to get started with
Microsoft Azure

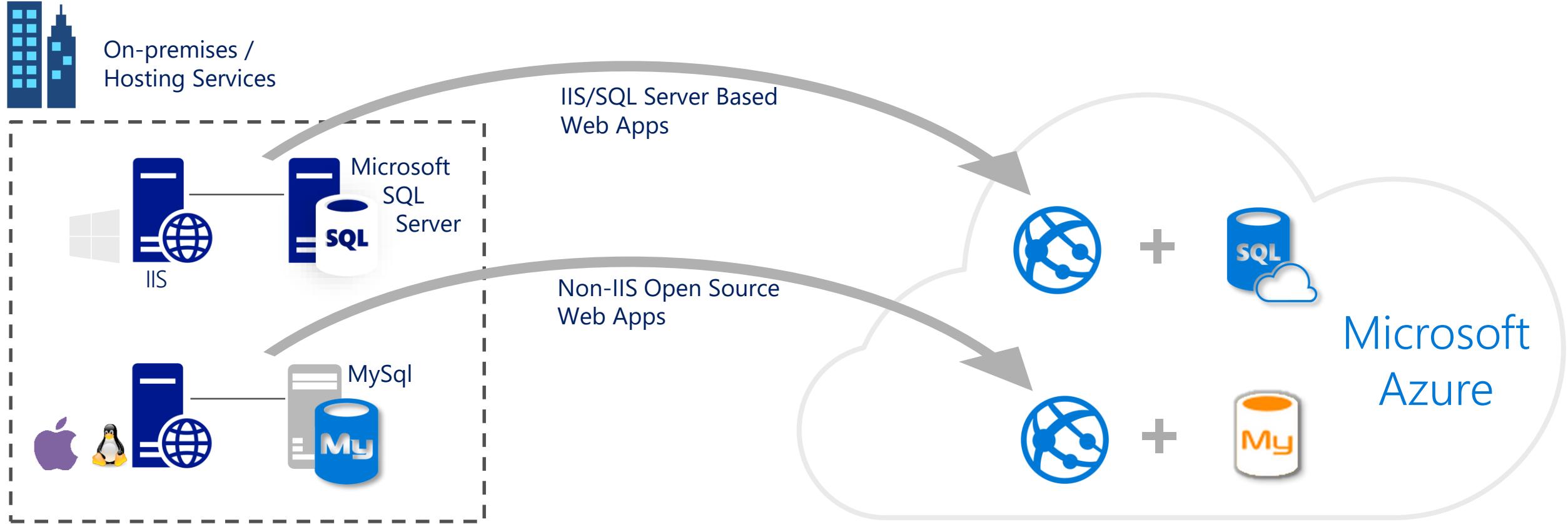


Identity as a Service



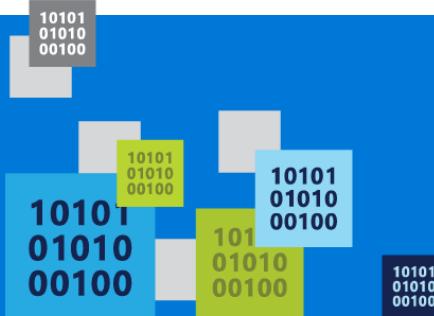
Key Scenarios to get started with
Microsoft Azure



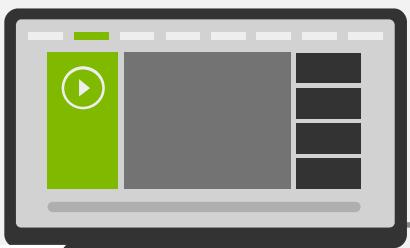


Web Apps - Take your web apps to the cloud using inexpensive App Service Web Apps

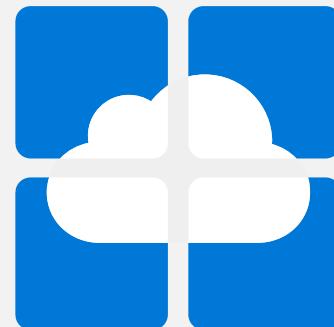
Key Scenarios to get started with Microsoft Azure



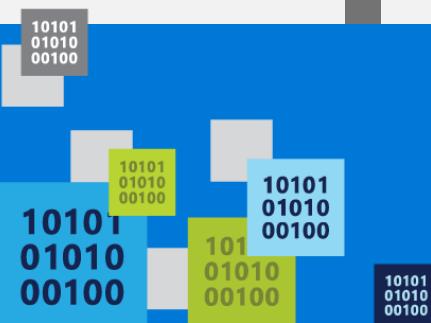
Azure

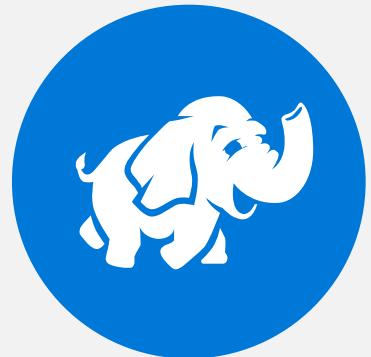


Key Scenarios to get started with
Microsoft Azure



App Service





Hadoop



SQL

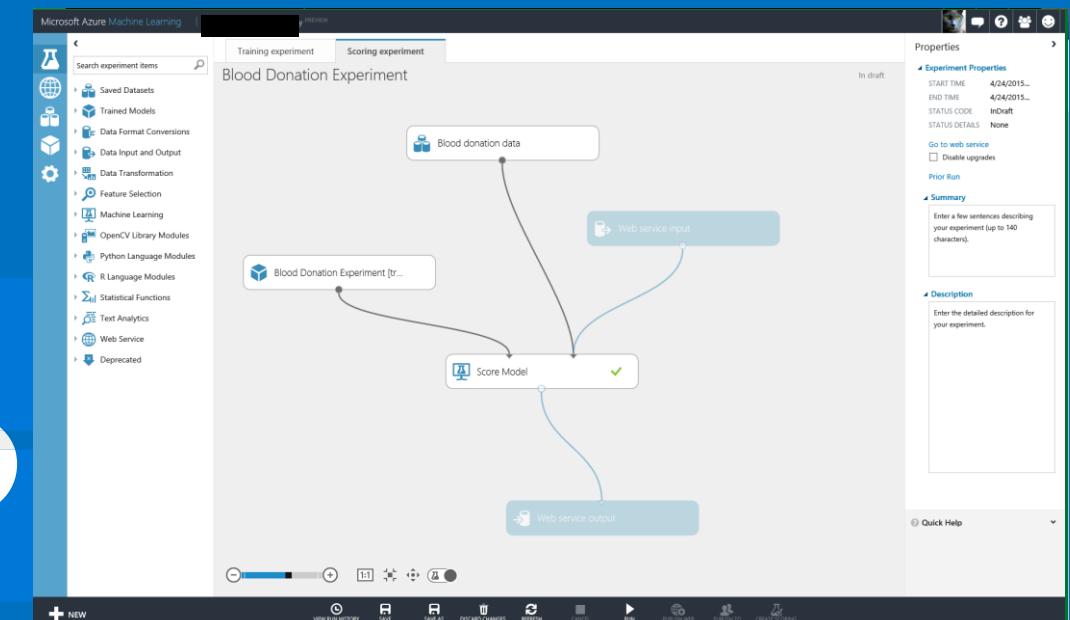
SQL Data
Warehouse

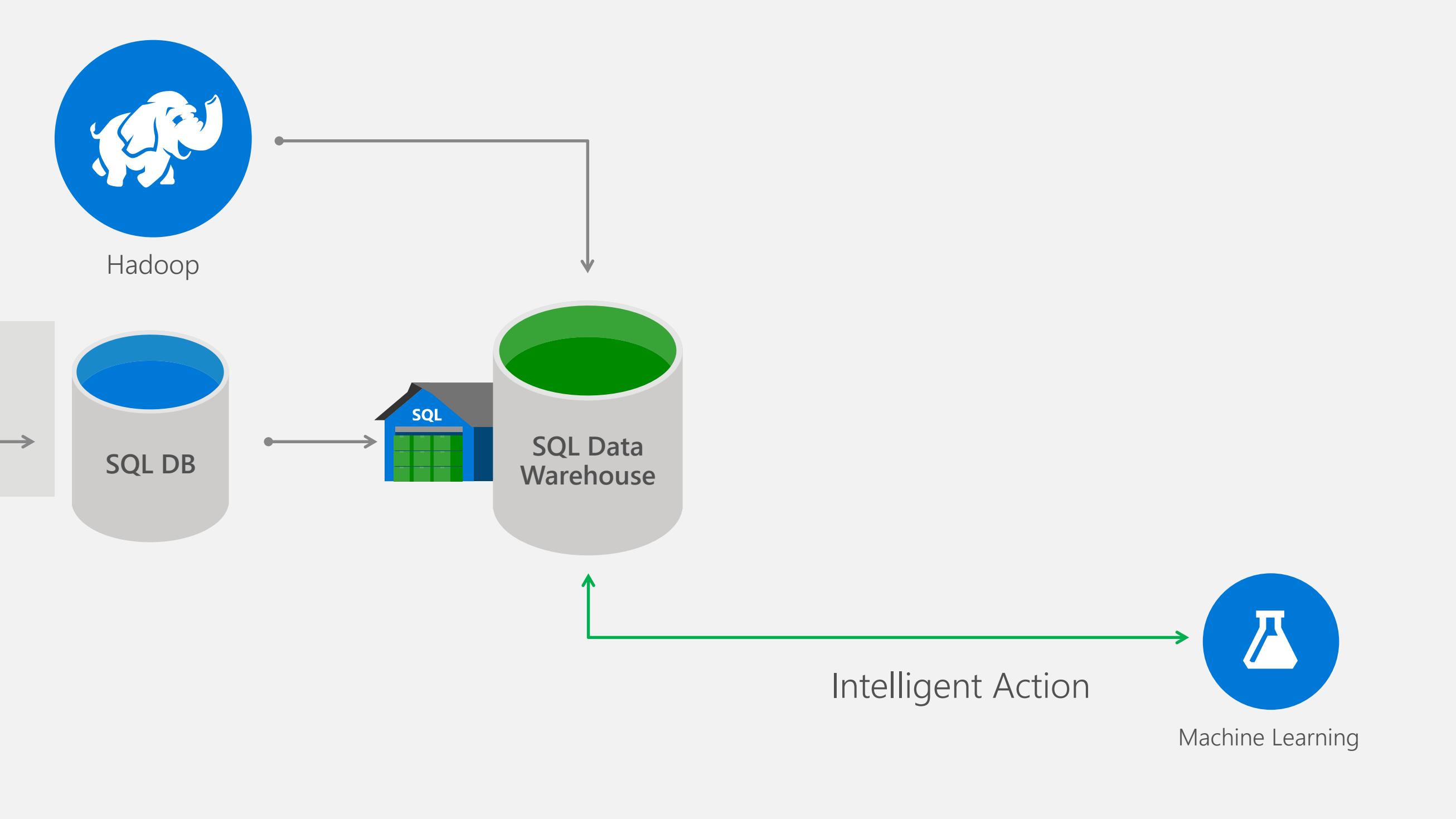


On-Premises
SAP
Oracle
Dynamics

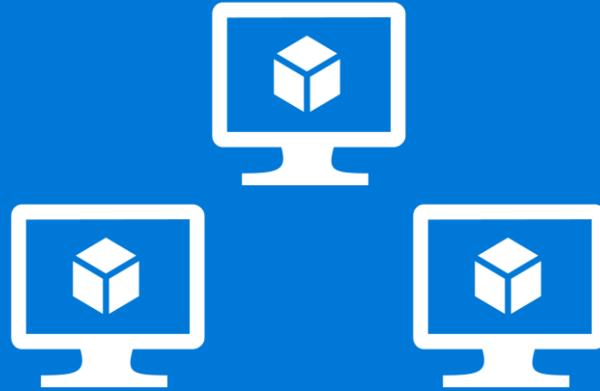
App Service

Data Ingestion

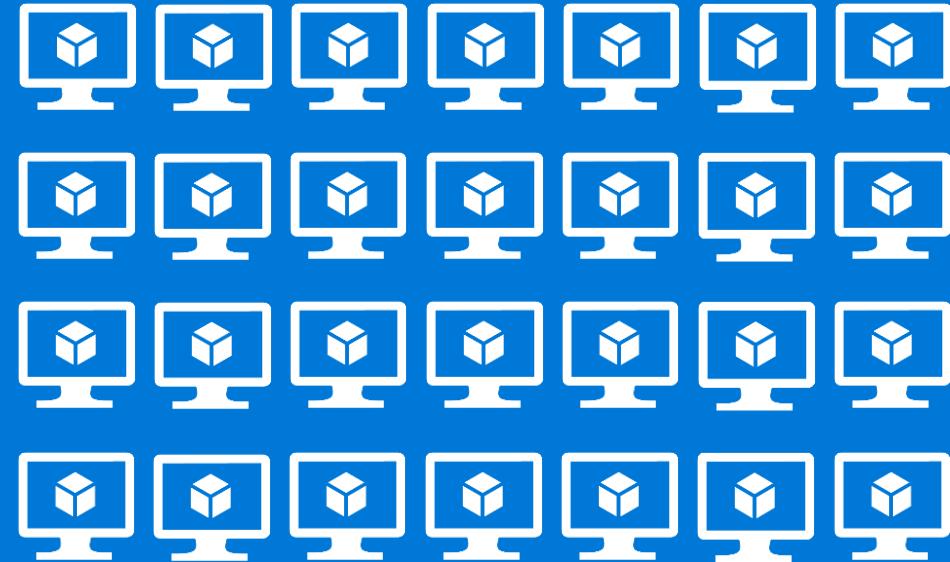




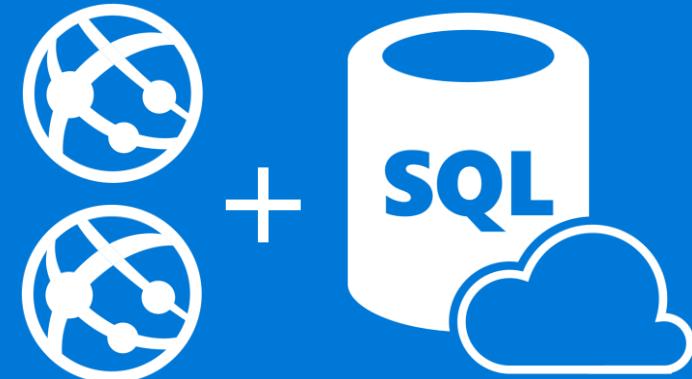
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