

Herramientas Cloud

Gorka Madariaga Nuñez
Technical Evangelist
@Gk_8 – gorkma@microsoft.com



¿Por qué el cloud?

Creación rápida de entornos para soluciones de negocio

Escalabilidad para gestionar picos de demanda

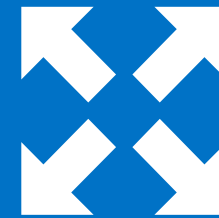
Aumento de actividad diaria, eficiencia y reducción de costes

¿Por qué el Cloud?

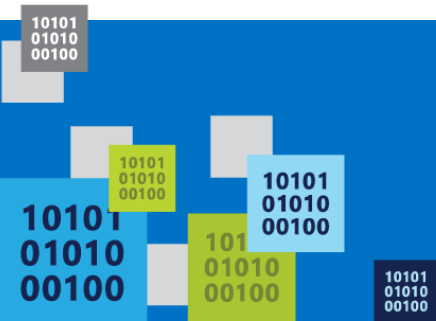
Velocidad



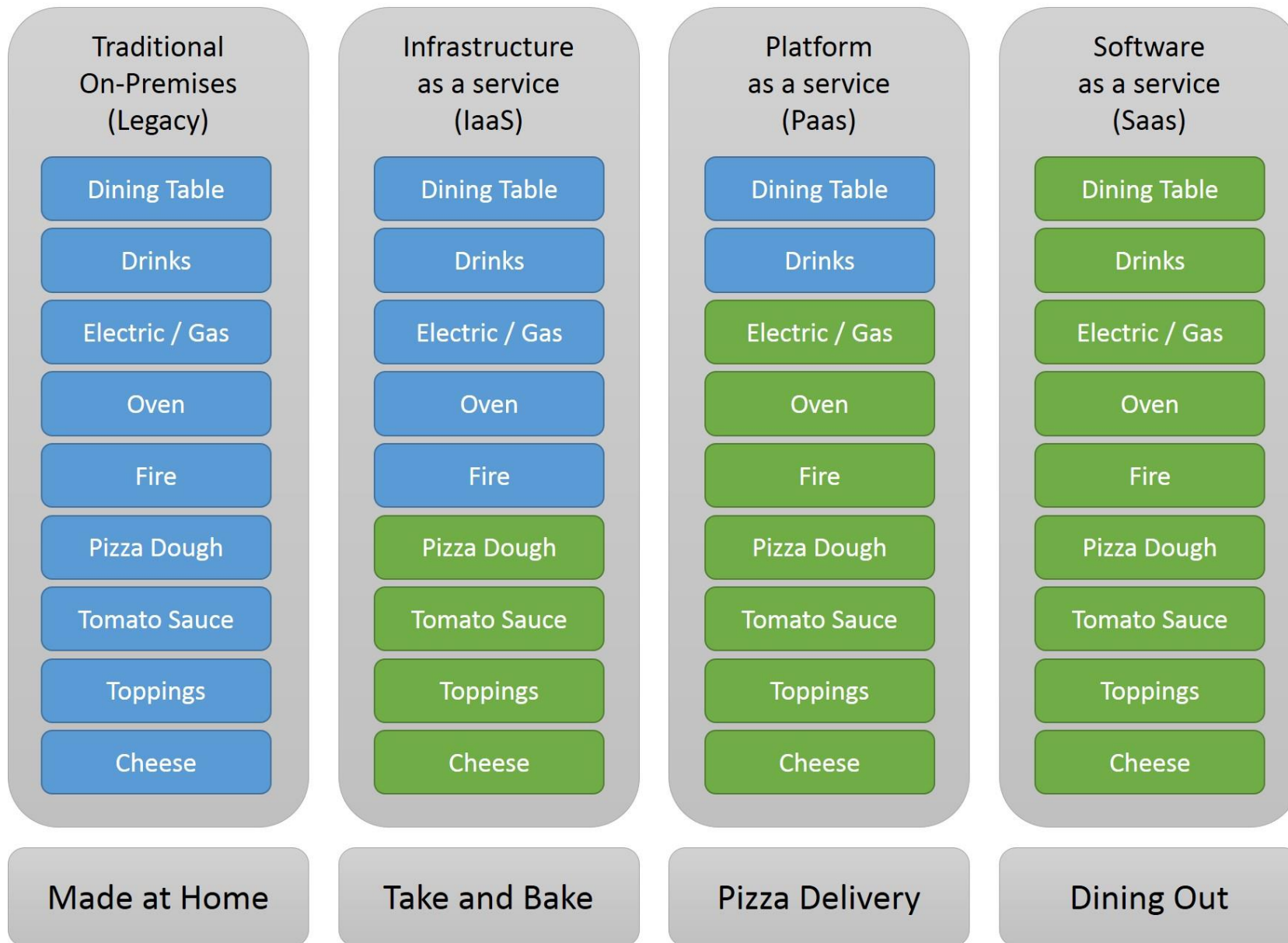
Escalado



Costes



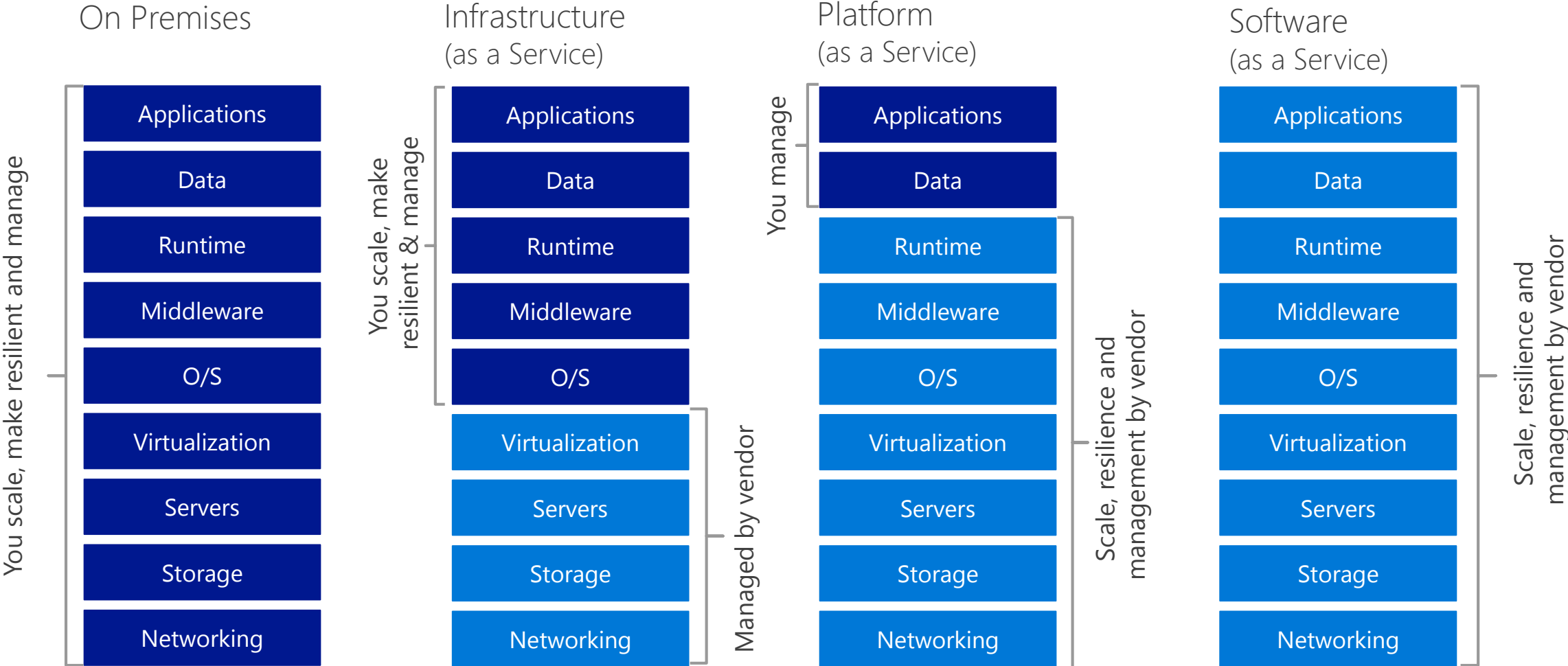
Pizza as a Service



■ You Manage

■ Vendor Manages

IaaS vs PaaS vs SaaS



Microsoft Azure

~~17, 20, 25, 30~~ regiones en todo el mundo en 2015

Microsoft Azure

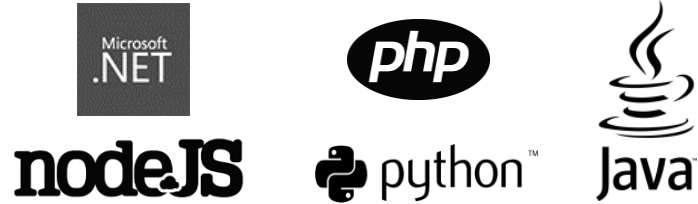
Azure footprint

-  Data Centers
-  Regional Partners



3rd party & Open Source en Azure

Languages



CMS

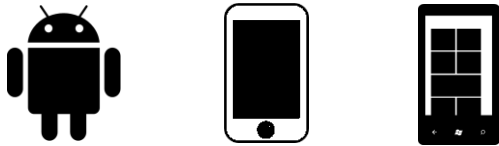


GOBBLER

Engine Yard™

Focus on the music,
not the files

Devices



Databases / Apps



Operating systems

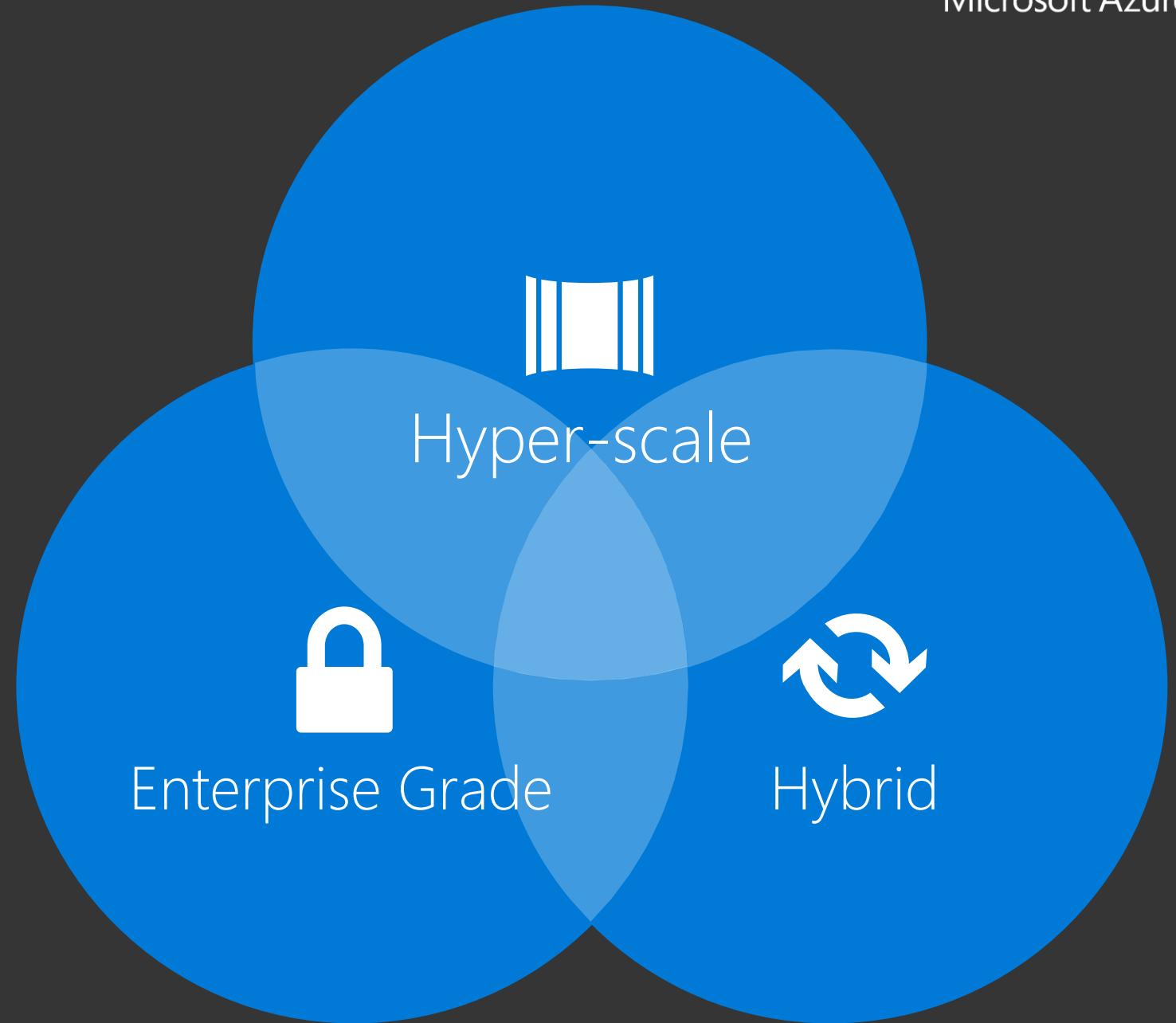


Management



Cassandra










¿Cómo se diferencia Azure?



Azure Services

Microsoft Azure Services

Microsoft Azure

Developer Services	 Visual Studio Online	 Application Insights	Management	 Scheduler	 Automation	 Operational Insights	 Key Vault	Marketplace	   ...				
	 HDInsight	 Machine Learning		 Stream Analytics	 Data Factory	 Event Hubs	Hybrid Integration		 BizTalk Services	 Service Bus	 Backup	 Site Recovery	 Media Services
Web & Mobile	 App Service	 Web App	 Mobile App	 API App	 Logic App	 API Management		 Notification Hubs	 Mobile Engagement	Identity & Access	 Azure Active Directory	 Multi-Factor Authent	Media & CDN
	 Virtual Machines	 Cloud Services	 Batch	 Service Fabric	 RemoteApp	Networking	 Virtual Network	 ExpressRoute	 Traffic Manager		 DNS	 Application Gateway	
Data & Storage	 Storage	 Blobs	 Tables	 Queues	 Files		 SQL Database	 Search	 DocumentDB	 Redis Cache	 StorSimple	 Data Lake	 Data Warehouse

Alojar aplicaciones en Azure

Microsoft Azure



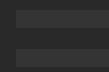
Infraestructura como Servicio
IaaS

Plataforma como servicio
PaaS

PaaS

Azure App Service

Construye aplicaciones que escalan



Web Apps



Mobile Apps

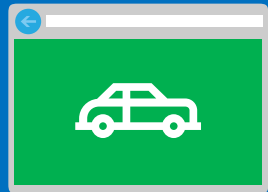


Logic Apps

API Apps



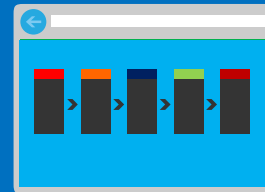
Web Apps



Web para clientes



Logic Apps



Procesamiento de pedidos



Mobile Apps



App de administración



App para clientes



API Apps



IaaS

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

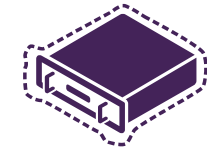
Optimized Compute

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

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 Standar... 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

IoT

Internet of Things



Con los servicios de IoT en Azure, puedes monitorizar tus recursos para mejorar la eficiencia, impulsar la innovación y aprovechar el análisis avanzado de datos para transformar tu compañía con nuevos modelos de negocio y fuentes de ingresos.



Event Hubs



Notification Hubs



Stream Analytics



Machine Learning

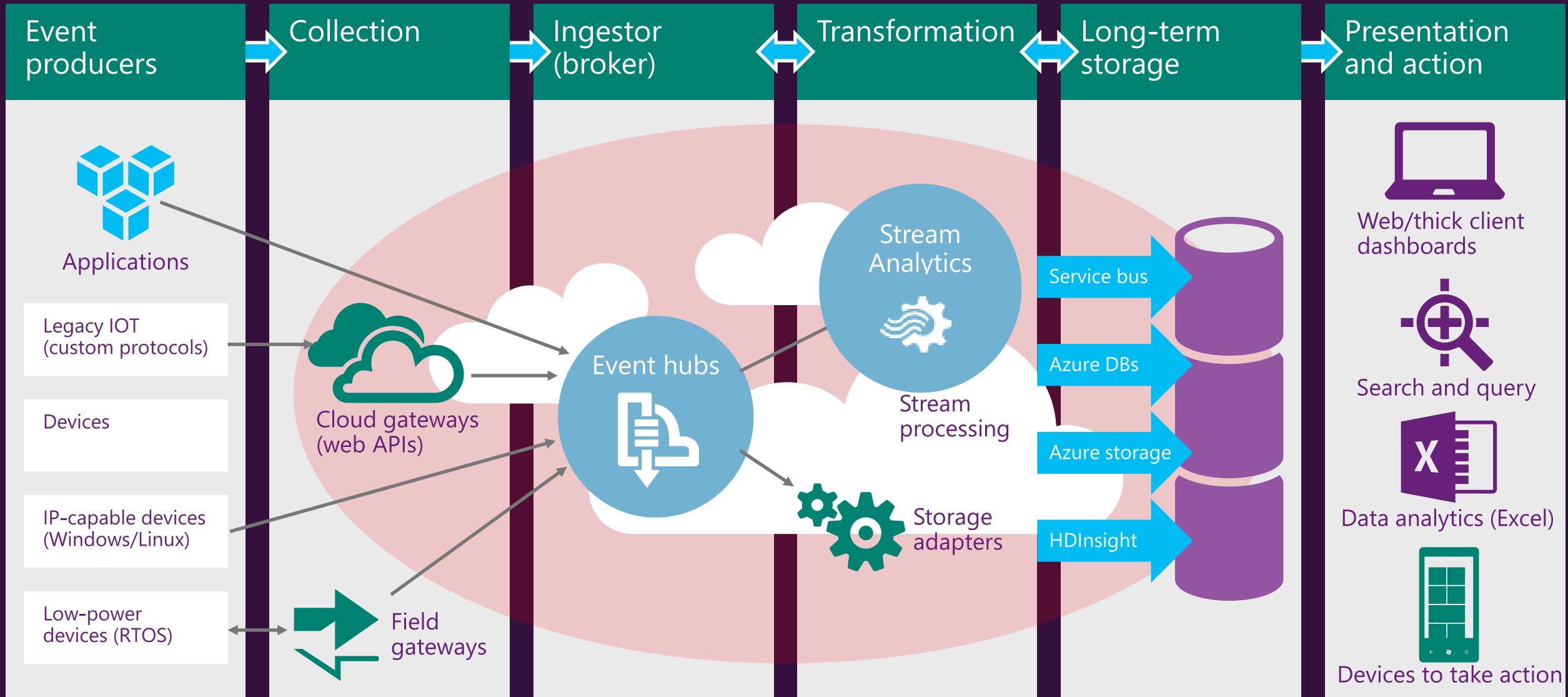


HDInsight



Power BI for Office 365

Azure Stream Analytics



Recursos

¿Cómo obtengo una cuenta Azure?

Azure Pass para uso académico

<https://www.microsoftazurepass.com/azureu>

Azure para investigadores

<http://research.microsoft.com/en-us/projects/azure/>

Azure ML, gratuito para realizar pruebas

<http://studio.azureml.net/>

Formación y materiales

Azure Readiness

<https://github.com/Azure-Readiness>

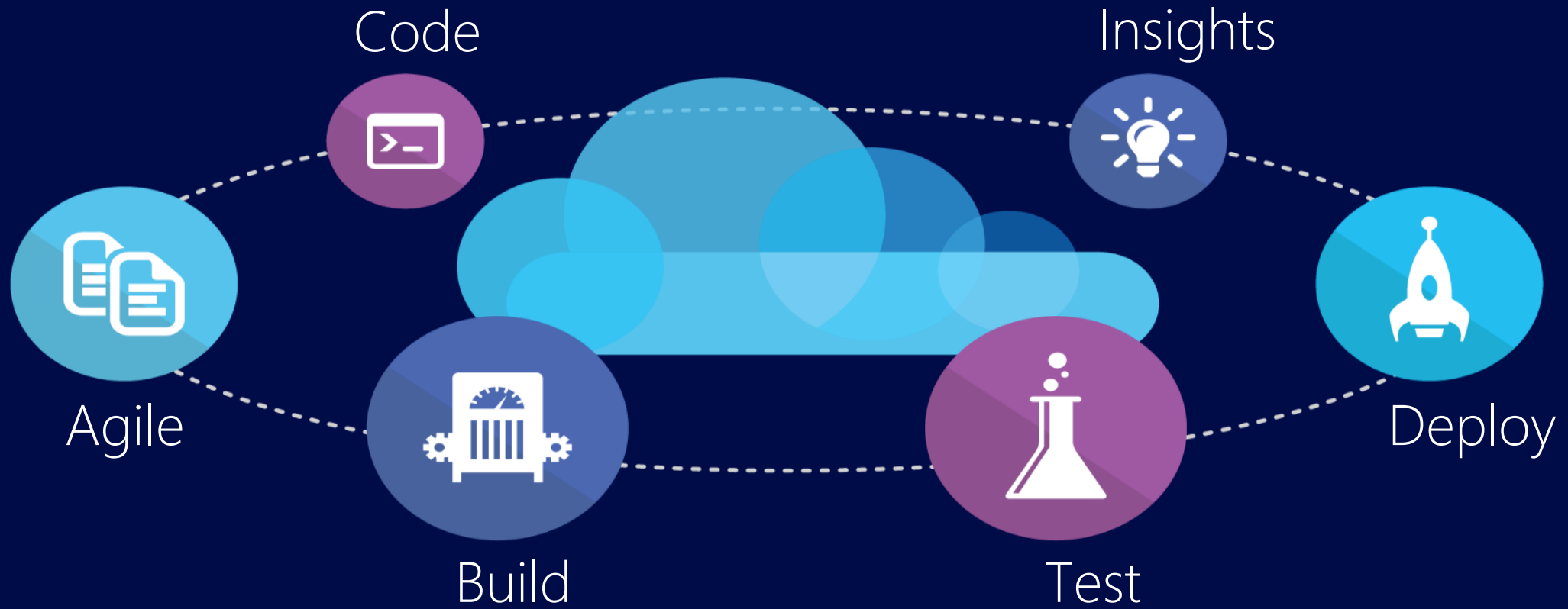
Microsoft Virtual Academy

<http://www.microsoftvirtualacademy.com/>

Microsoft Faculty Spain

<http://aka.ms/PortalProfesores>

Visual Studio Team Services



Integración completa del portal
Abierto a productos de terceros

Q&A

Muchas gracias 😊

esdpe**profesores**@microsoft.com
esdpe**estudiantes**@microsoft.com





¡Empieza ahora!

<http://aka.ms/ProfesoresTecnologia>

[EASY] Crea tu blog gratis en Azure

<http://aka.ms/reto1ch9>

<http://aka.ms/retoestudiantes1>



[MEDIUM] Web app con ASP.NET

<http://aka.ms/reto2ch9>

<http://aka.ms/retoestudiantes2>



[HARD] API Rest con WebAPI

<http://aka.ms/reto3ch9>

<http://aka.ms/retoestudiantes3>



[HARD] Backend con Mobile Apps

<http://aka.ms/reto4ch9>

<http://aka.ms/retoestudiantes4>

