

WINDOWS AZURE

Fernando Machado Píriz

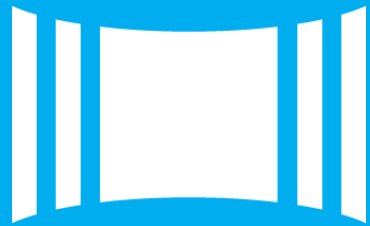
Enterprise Architect
Microsoft LATAM Enterprise Strategy Services

Magdalena Hourcade

Developer Evangelist
Microsoft Argentina & Uruguay



Windows Azure



flexible



abierto



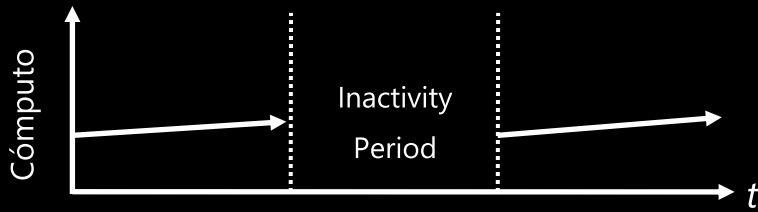
sólido



presencia
global

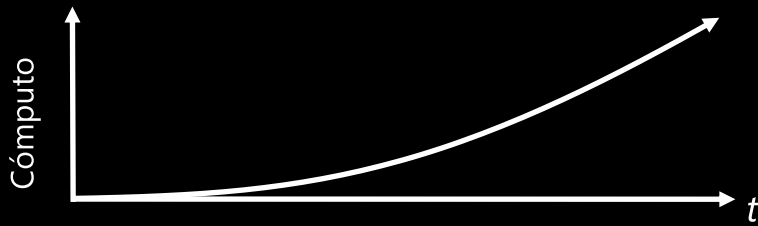
99.95% SLA mensual

pague solo por lo que usa



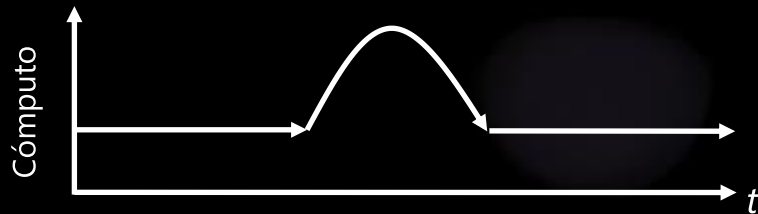
Prender y apagar

Trabajos de corta duración (en lotes)
La capacidad justa evita desperdicio
Llegada al mercado engorrosa



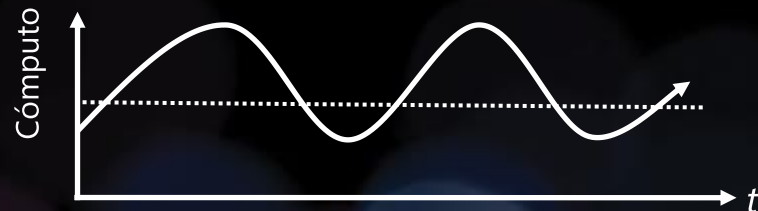
Crecer rápido

Servicios de éxito necesitan crecer/escalar
Gran desafío de TI para crecer y estar al día
Imposible proveer hardware suficientemente rápido



Explosión impredecible

Pico de la demanda inesperado/no planificado
Picos repentinos impactan el rendimiento
Imposible sobredimensionar para casos extremos



Explosión predecible

Servicios con tendencias de estacionalidad
Picos por aumento periódico de la demanda
Evitar complejidad y desperdiciar capacidad

patrones de cómputo en la nube



máquinas virtuales

- ← Windows Server y Linux
- ← Soporte para cargas de trabajo flexibles
- ← Red privada virtual

máquinas virtuales



demo

portabilidad de máquinas virtuales

Windows Azure



Su centro de cómputo



Windows Azure



Su centro de cómputo



Windows Azure



Otros proveedores



Su centro de cómputo



Windows Azure



Otros proveedores

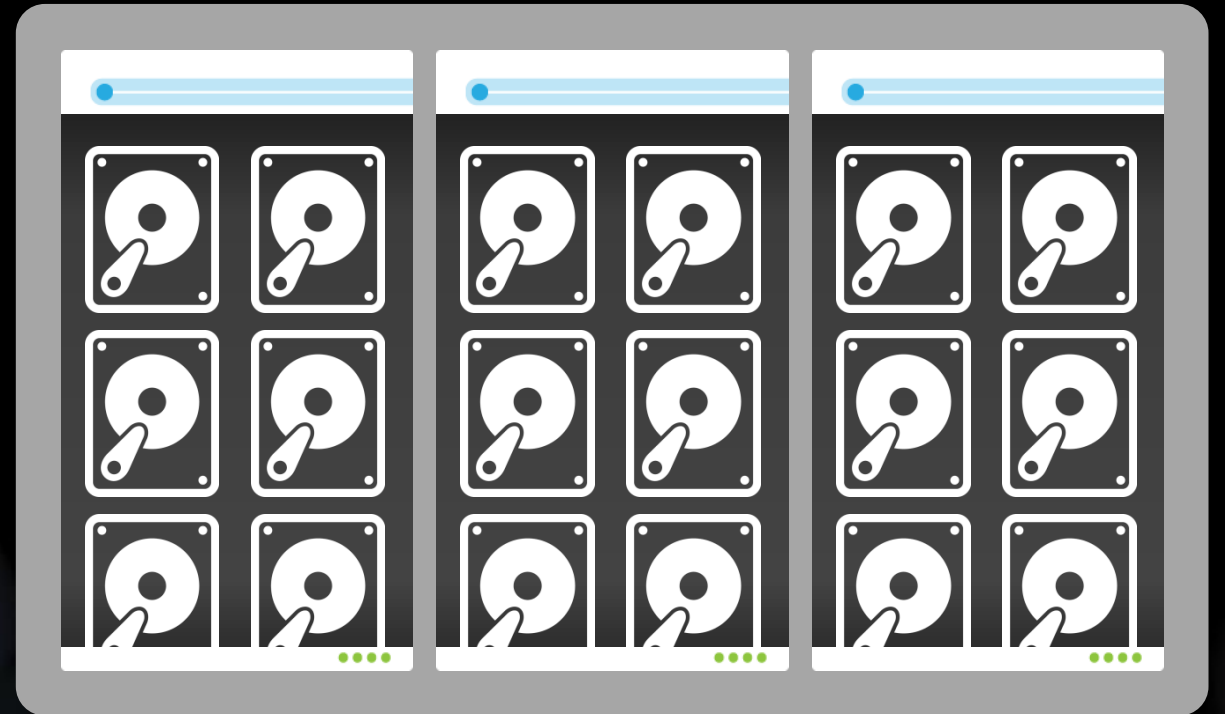


no atado

Su centro de cómputo

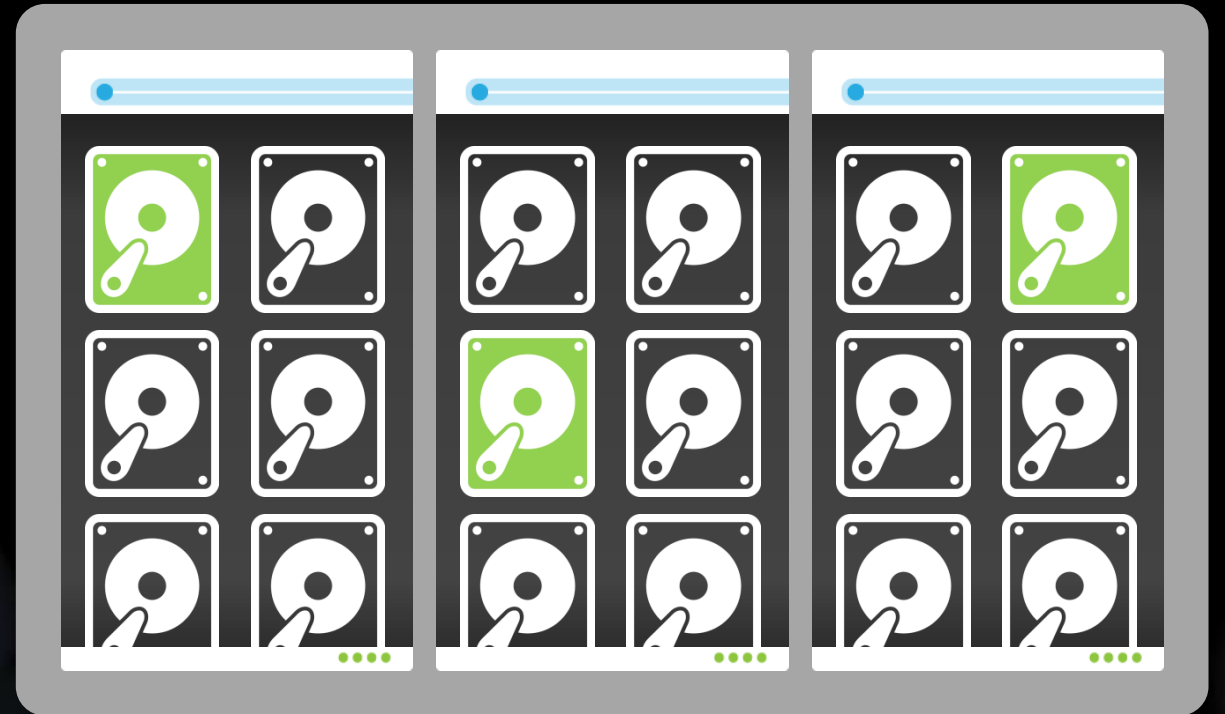


VM con disco persistente



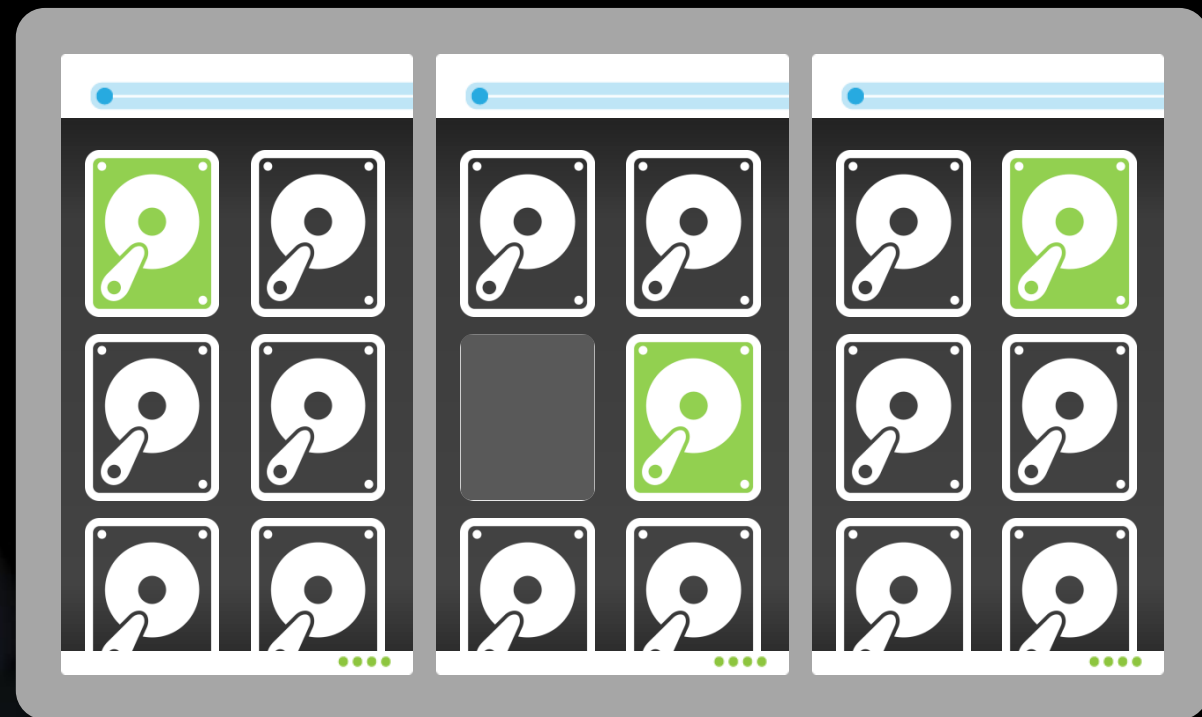
Windows Azure Storage

VM con disco persistente



Windows Azure Storage

VM con disco persistente



Windows Azure Storage

VM con disco persistente

fiable y
continuo



Windows Azure Storage



geo-replicación
continua de storage



Windows Azure Storage



sitios web

- ← Hechos con ASP.NET, node.js o PHP
- ← Desplegados en segundos con FTP, Git o TFS
- ← Comenzar gratis, escalar según el tráfico

sitios web



demo

sitios web

compartida

reservada

compartida



1

INSTANCIAS COMPARTIDAS

A 3x7 grid of browser window icons. Each icon has a blue background and a white border. The icon in the second row, fifth column, is highlighted in green and contains a white smiley face with a dash, :-).

A horizontal row of six server rack icons. Each icon consists of a white rounded rectangle containing a grey server rack graphic and two yellow indicator lights at the bottom.

sitios web

compartida

reservada

compartida



2

INSTANCIAS COMPARTIDAS

A grid of 21 browser window icons arranged in three rows and seven columns. Each icon has a blue background. Two icons are highlighted with a green background and contain a white smiley face with a dash (:-). The first green icon is in the second row, fifth column. The second green icon is in the third row, second column.

A horizontal row of six server rack icons. Each icon consists of a vertical column of four blue circles on the left and a horizontal stack of three grey bars on the right. Two small yellow circles are located at the bottom right of each icon.

sitios web

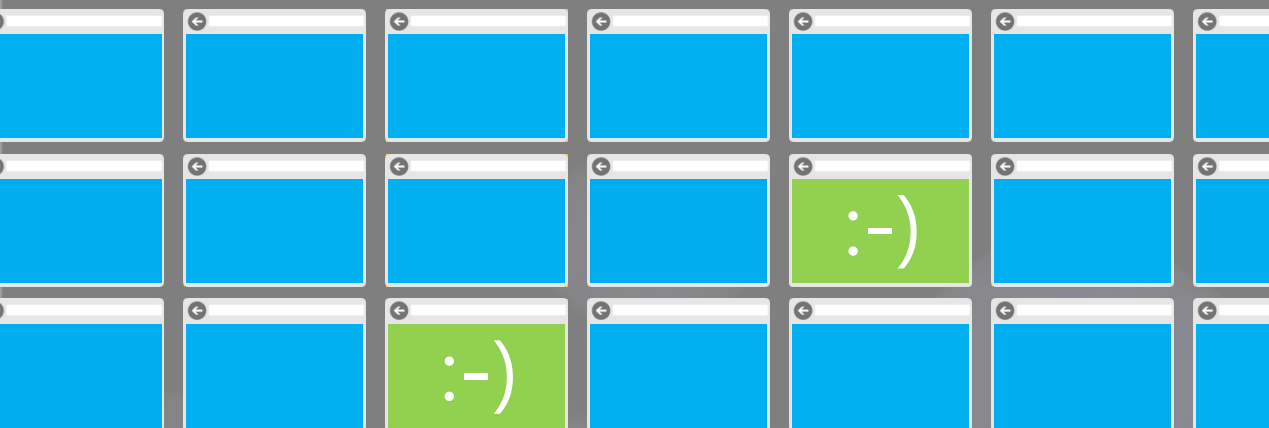
compartida

reservada

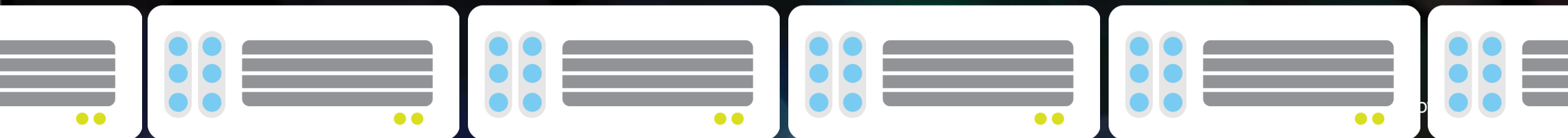
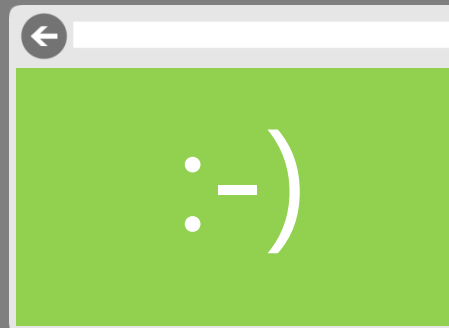
reservada



INSTANCIA COMPARTIDA



INSTANCIA RESERVADA



reservada



2

INSTANCIA RESERVADA

A browser window icon with a grey border and a white back arrow in the top left corner. The main content area is green and contains a white sad face emoticon (:-). The icon is positioned above a row of server icons.



sitios web

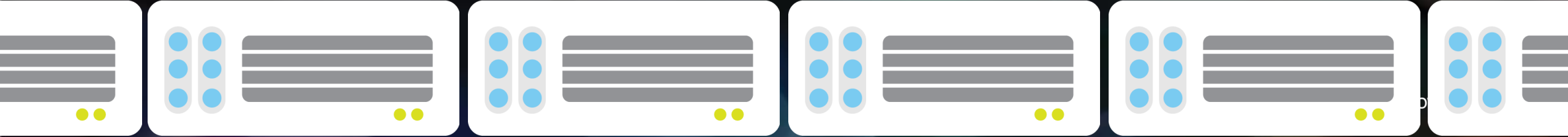
compartida

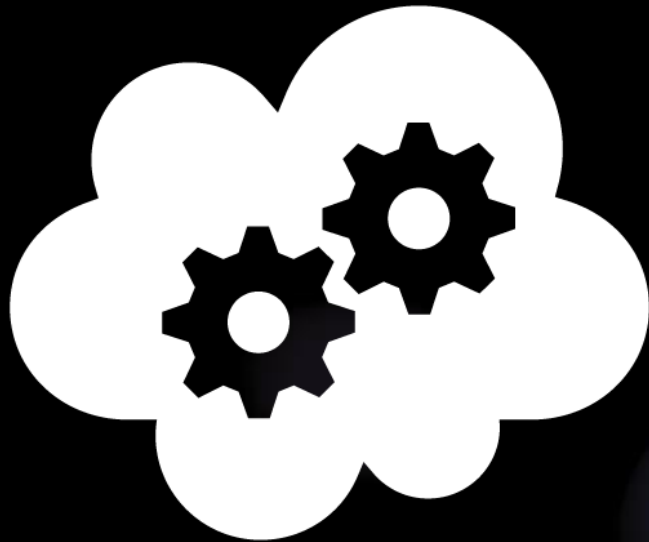
reservada

reservada



2





servicios en la nube

- ← Servicios y aplicaciones escalables al infinito
- ← Soporte para arquitecturas ricas multi-capas
- ← Gestión de aplicaciones automatizada

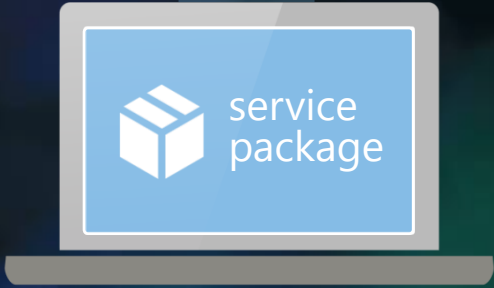
servicios para desarrolladores



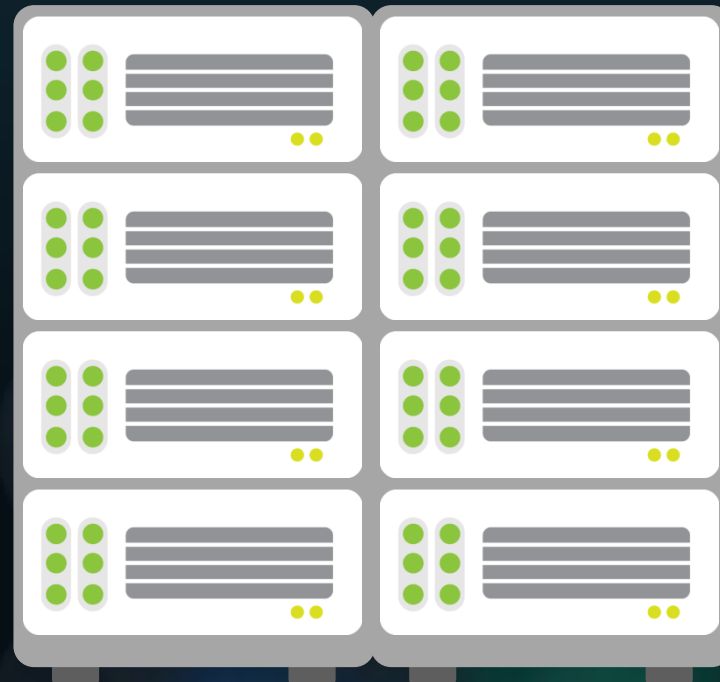
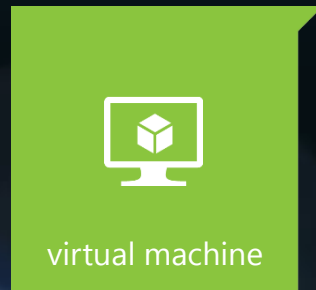
demo



Windows Azure



- Provisionar instancias de roles
- Desplegar código aplicación
- Configurar la red



Server Rack 1

Server Rack 2



- Provisionar instancias de roles
- Desplegar código aplicación
- Configurar la red



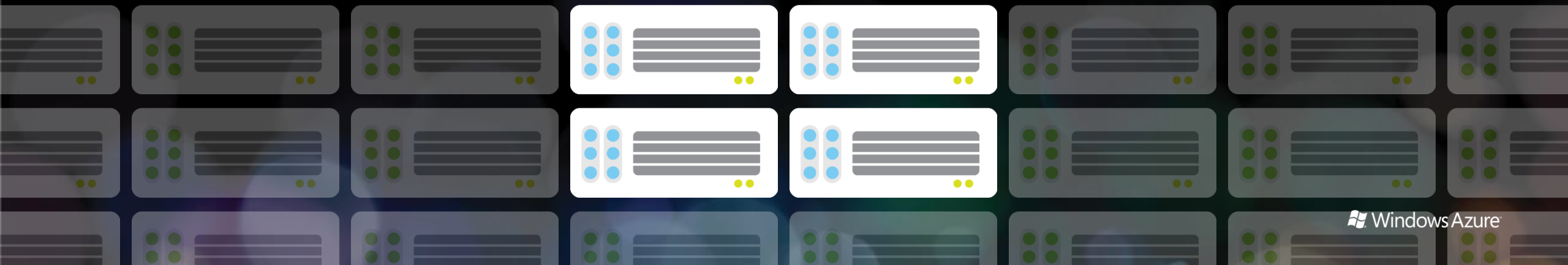
Windows Azure Datacenter



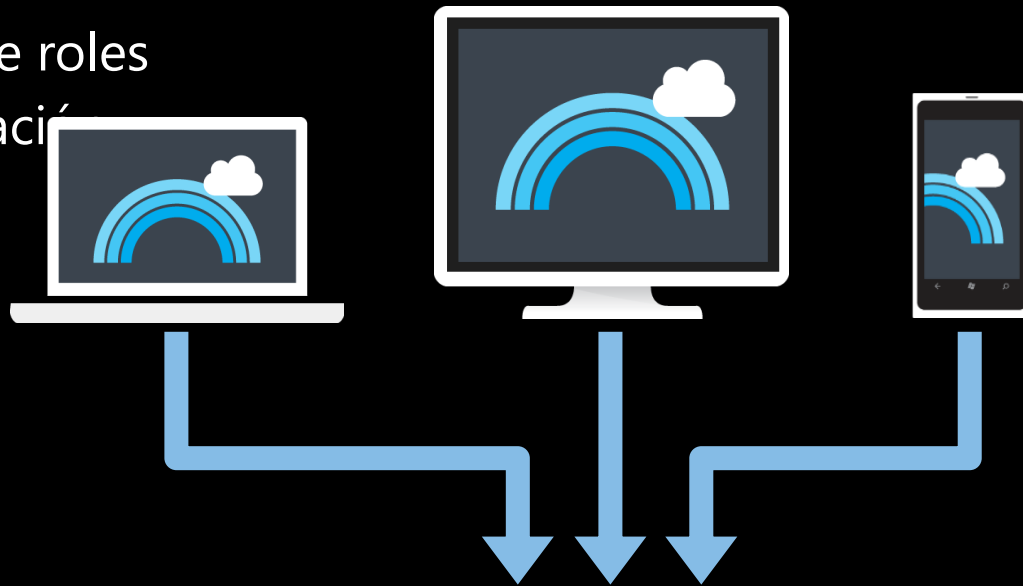
- Provisionar instancias de roles
- Desplegar código aplicación
- Configurar la red



Windows Azure Datacenter



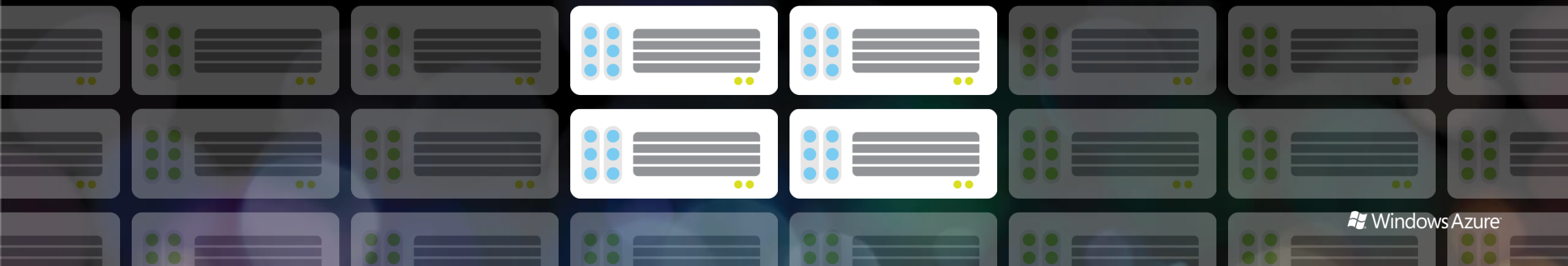
- Provisionar instancias de roles
- Desplegar código aplicaci
- Configurar la red

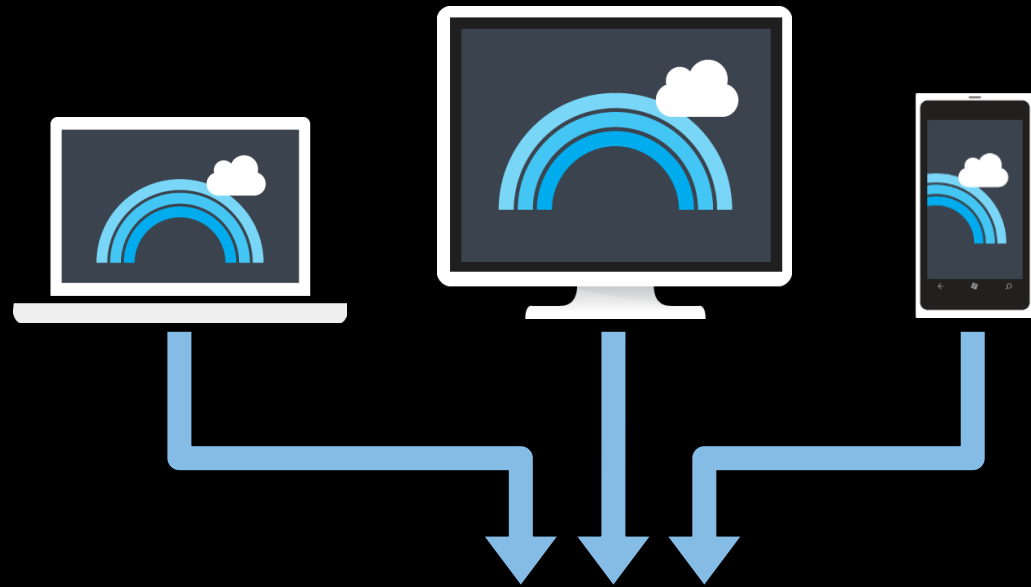


Network Load Balancer

← Network load-balancer configured for traffic

Windows Azure Datacenter





Network Load Balancer

Windows Azure Datacenter



gestión de sitios web



demo

foco en las aplicaciones,
no en la infraestructura



big data



database



storage



traffic

bloques de construcción



caching



messaging



identity



media



CDN



networking

Windows Azure

HOME PRICING **DEVELOP** MANAGE COMMUNITY SUPPORT ACCOUNT

overview .net node.js php java python downloads

Free trial →

Developer Center

Windows Azure is an open cloud platform that enables you to quickly build, deploy and manage applications across a global network of Microsoft-managed datacenters.

You can build applications using any language, tool or framework.

Languages

- .net →
- node.js →
- java →
- php →
- python →
- other →

fundamentals

- Intro to Windows Azure
- Understanding Cloud Storage

featured videos

Meet Windows Azure

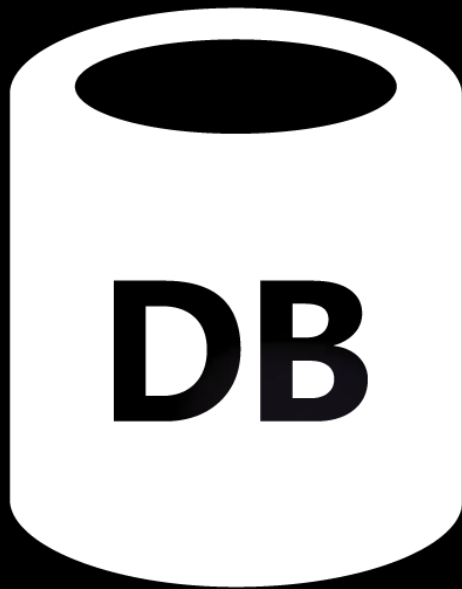
Watch Scott Guthrie and others in videos from the Meet Windows Azure event. Learn what the cloud provides, why you should care, and how you can take

múltiples
lenguajes

The screenshot shows the GitHub profile for the organization WindowsAzure. The page includes the GitHub logo, navigation links (Signup and Pricing, Explore GitHub, Features, Blog, Login), and the organization's name with a logo. Key statistics are displayed: 7 Public Repos and 34 Members. The profile lists two public repositories: 'azure-sdk-for-java' (Java, 95 eyes, 23 forks) and 'azure-sdk-for-net' (C#, 219 eyes, 29 forks). A list of organization members is also shown, including abhisheklal, andrerod, antonba, bennage, blobaugh, BorisMoore, cscrosati, and davidfowl.

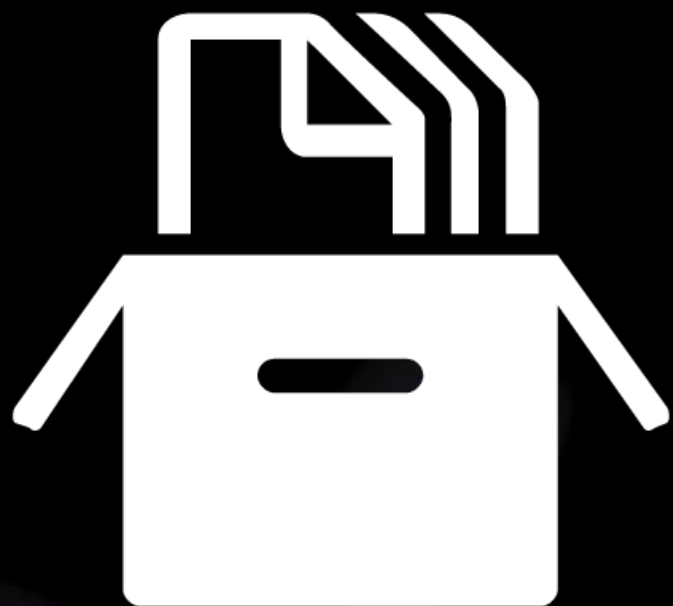
open
source

→ <http://github.com/windowsazure>



SQL database

- ← Motor servidor relacional SQL en la nube
- ← Custerizado para alta disponibilidad
- ← Servicio completamente gestionado
- ← Soporte para reportes SQL



blobs

- ← Sistema de archivos con alta disponibilidad, seguridad y escalabilidad
- ← Pueden exponerse públicamente por HTTP
- ← Geo-replicación continua entre centros de cómputo



← storage

mwstorage1

fabrikamshipping

fabrikamshippingdev

fshippingdemo

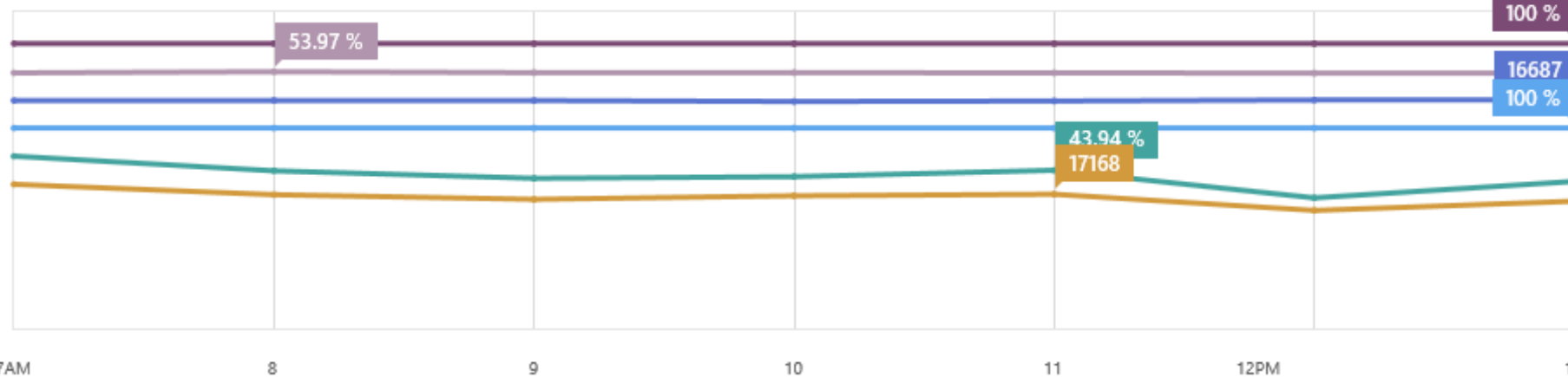
contentinstaller

contentinstaller

DASHBOARD MONITOR CONFIGURE

✓ AVAILABILITY(BLOB) ✓ SUCCESS PERCENTAGE(BLOB) ✓ TOTAL REQUESTS(BLOB) ✓ AVAILABILITY(TABLE) 5 MORE ▾

6 HOURS ▾ ↻



services

SERVICE	ENDPOINT
Blobs	http://contentinstaller.blob.core.windows.net/
Tables	http://contentinstaller.table.core.windows.net/
Queues	http://contentinstaller.queue.core.windows.net/

quick glance

STATUS

Online

GEO-REPLICATION

Enabled

LAST GEO FAILOVER

Never

PRIMARY REGION



NEW



MANAGE KEYS



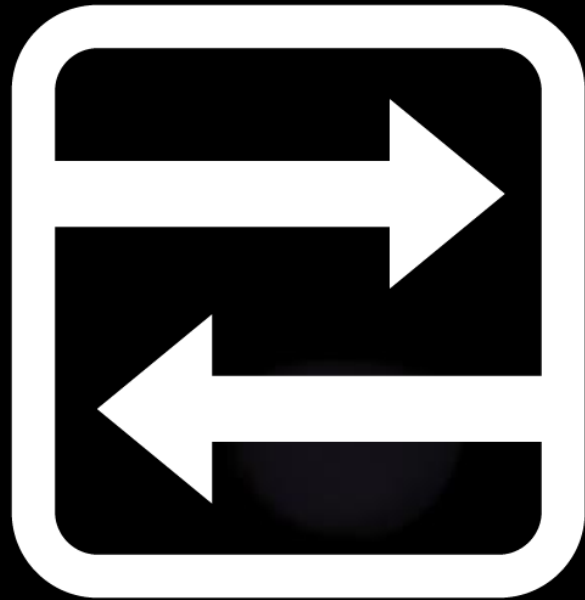
DELETE





identidad

- ← Integración con identidad corporativa
- ← Permite single sign-on en las aplicaciones
- ← API REST
- ← 93% de las Fortune 1000 usan AD



service bus

- ← Capacidades de mensajería y relé seguras
- ← Permite construir aplicaciones híbridas
- ← Habilita soluciones con bajo acoplamiento



Windows Azure

aplicación en la nube



service bus relay

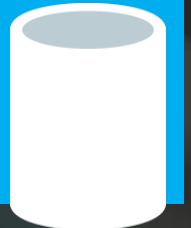


Internet

Empresa



app detrás del firewall





big data



database



storage



traffic

bloques de construcción



caching



messaging



identity



media



CDN



networking

89 países y territorios

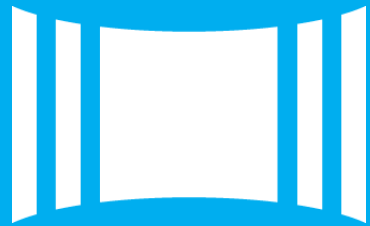
Australia
Austria
Belgium
Brazil
Canada
Chile
Colombia
Costa Rica
Cyprus
Czech Republic
Denmark
Finland
France
Germany
Greece
Hong Kong
Hungary
India
Ireland
Israel
Italy
Japan
Korea
Luxembourg
Malaysia
Mexico
Netherlands
New Zealand
Norway
Peru
Philippines
Poland
Portugal
Puerto Rico
Romania
Russia
Singapore
Spain
Sweden
Switzerland
Trinidad &
Tobago
UK
United States
New Countries:
Algeria

Argentina
Belarus
Bulgaria
Croatia
Dominican Rep
Ecuador
Egypt
El Salvador
Estonia
Guatemala
Iceland
Indonesia
Jordan
Kazakhstan
Kenya

Kuwait
Latvia
Liechtenstein
Lithuania
Macedonia
Malta
Montenegro
Morocco
Azerbaijan
Nigeria
Oman
Pakistan
Panama
Paraguay
Qatar

Saudi Arabia
Serbia
Slovakia
Slovenia
South Africa
Sri Lanka
Taiwan
Thailand
Tunisia
Turkey
UAE
Ukraine
Uruguay
Venezuela
Bahrain

Windows Azure



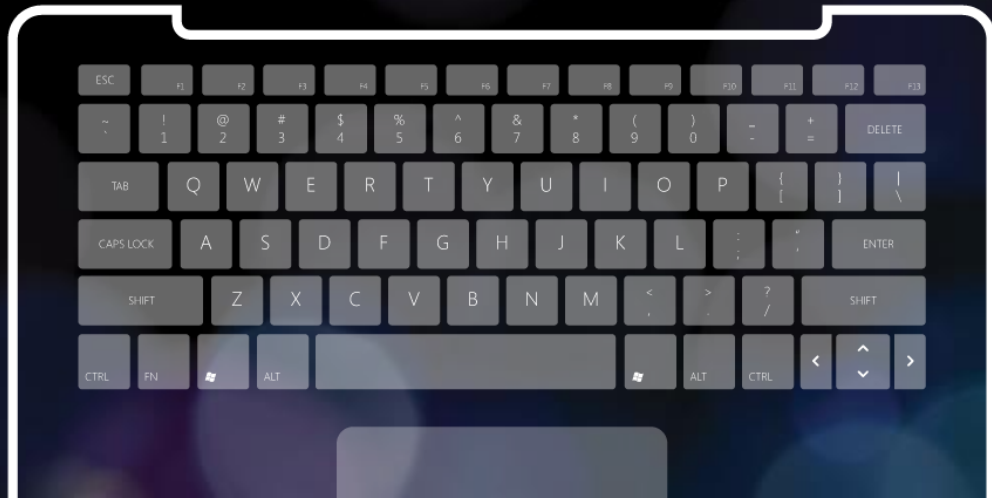
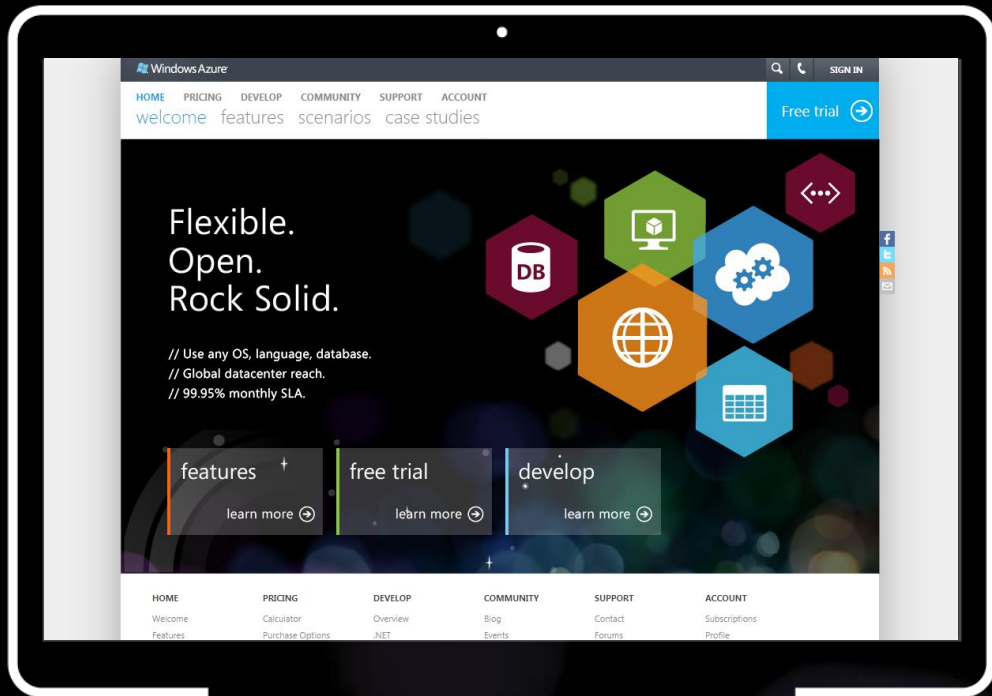
flexible



abierto



sólido



comenzar ya.
<http://WindowsAzure.com>

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