Microsoft Azure
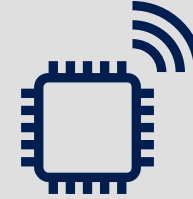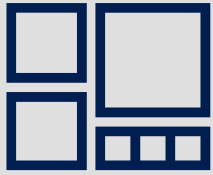
The cloud platform for digital transformation

Microsoft

Microsoft
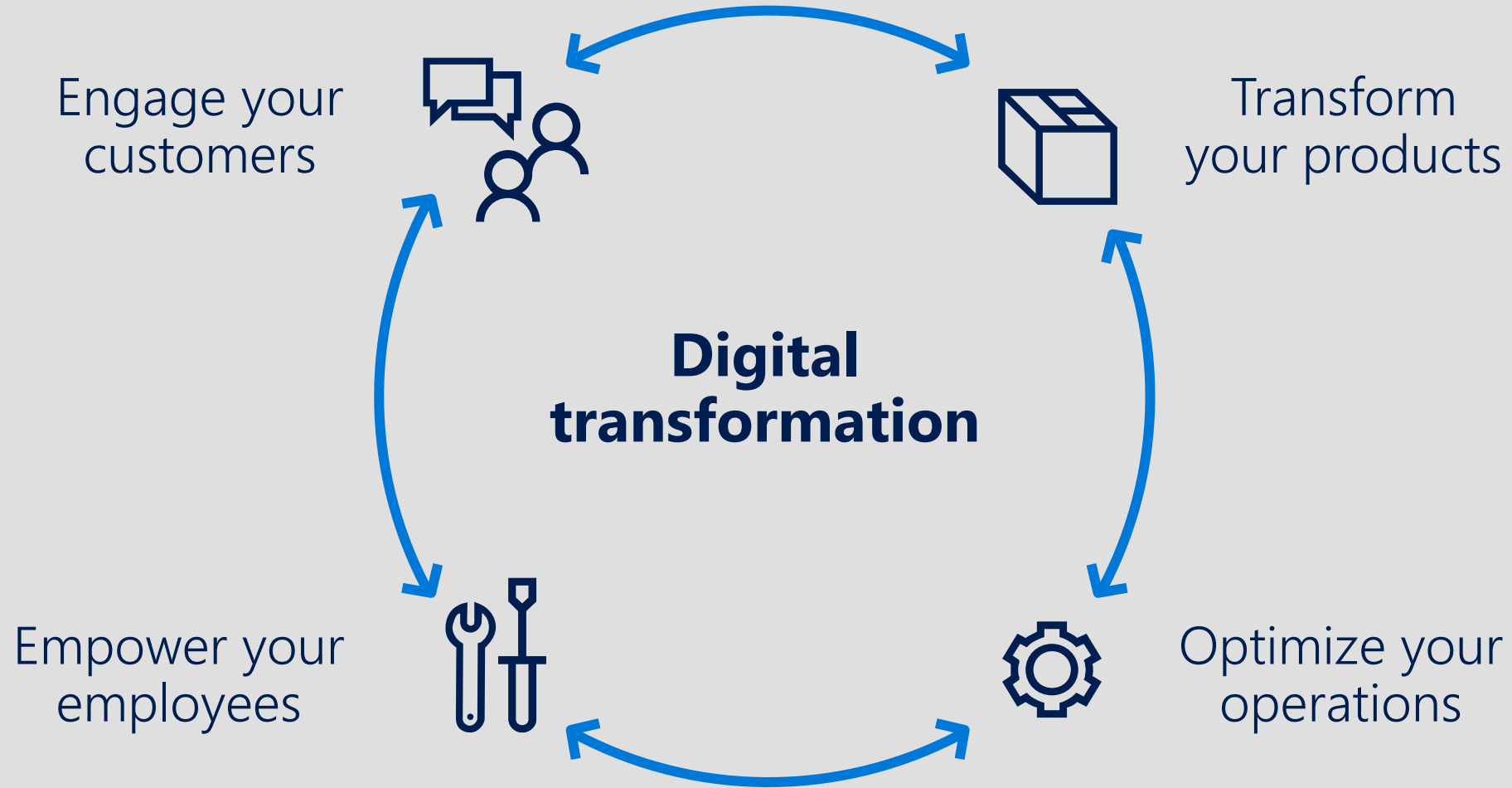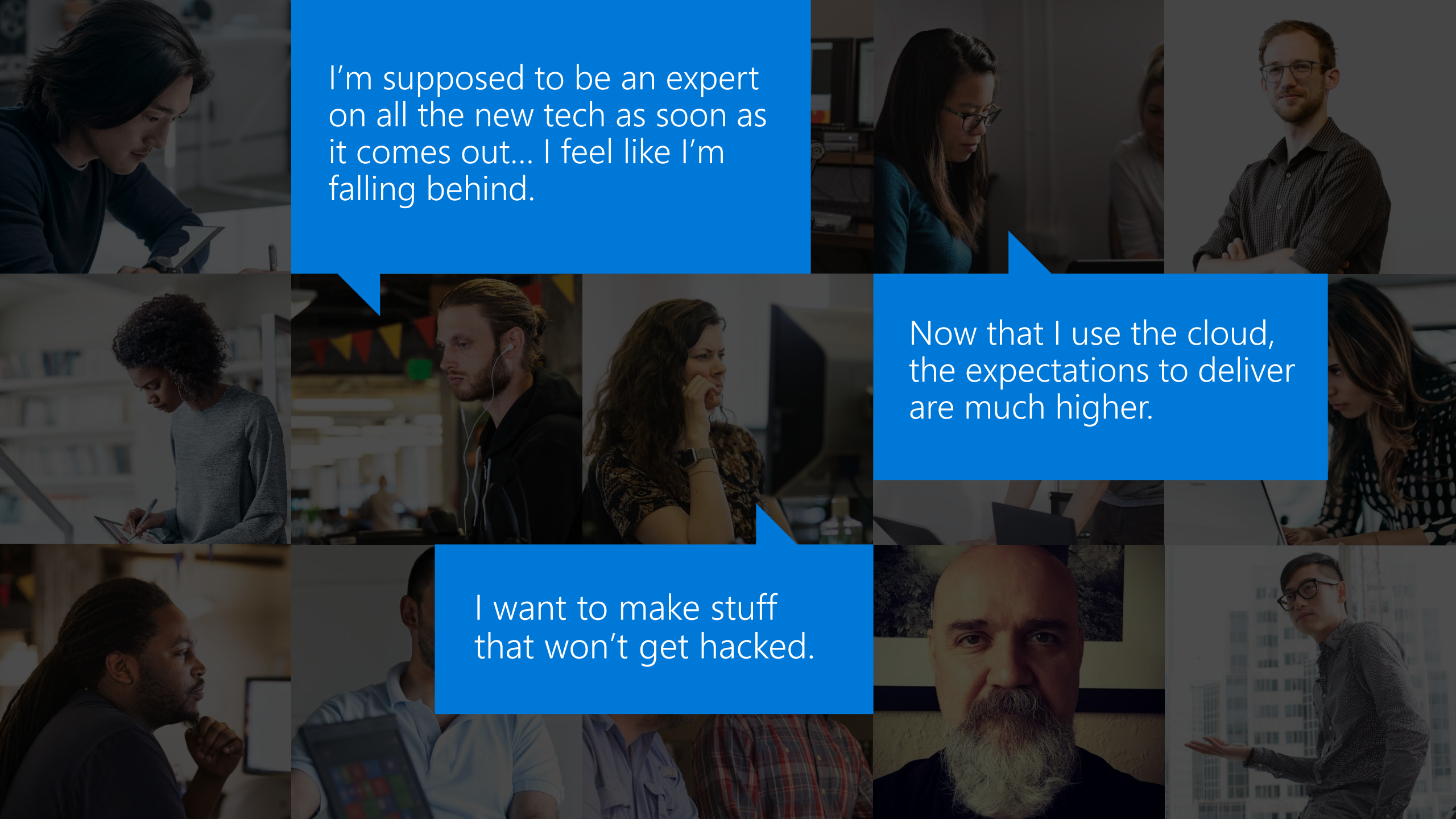
Going digital

1 million/hour
new devices coming
online by 2020

12 years average
age of S&P 500
corporations by 2020

60% computing
in the public cloud
by 2025

Microsoft Azure
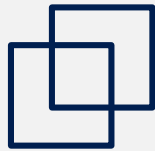
Hybrid   Productive   Intelligent   Trusted

Azure solutions

Dev/Test

SAP on Azure

Internet of Things

RedHat on Azure

BI + analytics

Big data & data warehouse

Backup, Archive, DR

High performance computing

Internal business apps

Customer facing apps

Scenario

"The Walking Dead: No Man's Land" has 16 million installs, requires 120GB of new data each day, and has to handle 11,500 database requests per second.

Maintain availability and performance for users who are not physically close to each other.

Provide more control over the ability to scale workloads in and out, and improve density to do the same amount of work with fewer machines.

Solution

Optimized storage usage and database solution with Azure Service Fabric and Azure Cosmos DB.

Take advantage of new machine sizes and other improvements made with VM Scale Sets.

Impact

"We wanted to make sure Next Games can operate globally with our servers and have more support for a truly globally distributed system, and Service Fabric gives you very good tools for that."

"We want our game data to always reside in the datacenter closest to the player so that we can load the player data as fast as possible. Cosmos DB's replication feature allows us to do this, so that we always have the data close by the player, no matter which datacenter it comes from."

Lufthansa Systems

Scenario

Consulting and IT services

Huge Datacenter – 6800 M2's

3 other global datacenters

Need to leverage current assets for more customers

Solution

Hybrid cloud storage pools

Higher server density

Multi-client-capable cloud

Extend their platform to allow self serving of data

Impact

Achieve standardized, global provision of services

Reduce IT operating and investment costs

Serve more customers without additional investments

Scenario

Sales and delivery application for large distributor network.

Without being chained to desktops or hard-wired internet.

Minimize the mobile learning curve.

Not being tied to a particular platform.

Solution

Xamarin, Visual Studio, Visual Studio Team Services, and Azure to get their Marketplace iPad app.

Integrated with Visual Studio Team Service, Raygun, and Slack.

In just four months by managing the entire DevOps cycle in C#.

Impact

Create apps that users love

Stakeholders love for their impact on sales

Use the app with little or no training

Build and innovate with choice and flexibility

Category									
DevOps	Nagios	VAGRANT	Jenkins	GRUNT	Elephant	Android	iPhone	Xamarin	Robot
Management	CHEF	puppet labs	ANSIBLE	SALTSTACK	mist.io	Datadog	mist.io	libcloud	Terraform	SCALR CLOUD MANAGEMENT
Applications	WordPress	Joomla!	Drupal	GitHub	APPRENDA	Apprenda	Moodle	Colors		
App frameworks & tools	php	nodeJS	Python	JS	Ruby	IJ	eclipse		
Databases & middleware	Hadoop	redis	CLEARDB	cloudera	MySQL	mongoDB	Node	Couchbase		
Infrastructure	Linux	Ubuntu	redhat	SUSE	Debian	bitnami	ORACLE LINUX	freeBSD	docker	

Add a natural, human touch with Cognitive Services

Vision

Computer Vision

Listening... 🎤

Object recognition...
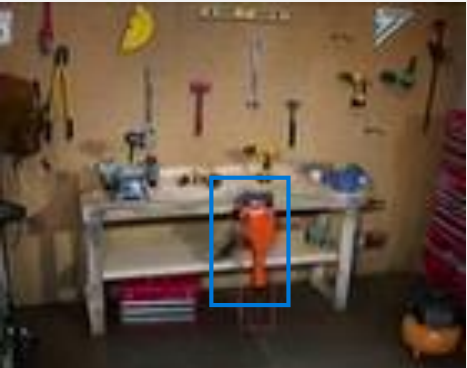
Speech

Speech-to-text and text-to-speech service

Listening... 🎤

Convert this text to speech please...
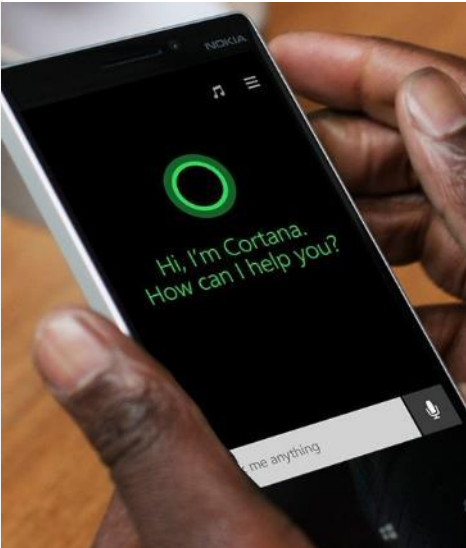
Language

Natural Language Processing

Listening... 🎤

Play today's conference call...

Natural Language Processing

```
Intent: PlayCall
Content: Customer#
DateTime.date: today
```

▶

Now Playing

11/29/2016 Customer Call

Knowledge

Knowledge Exploration Service

Listening... 🎤

Top publications in AI...

Genetic Algorithms in Search, Optimization and Learning
1989, David E Goldberg
Cited 18,910 times

Induction of Decision Trees
1986, Machine Learning
J R Quinlan

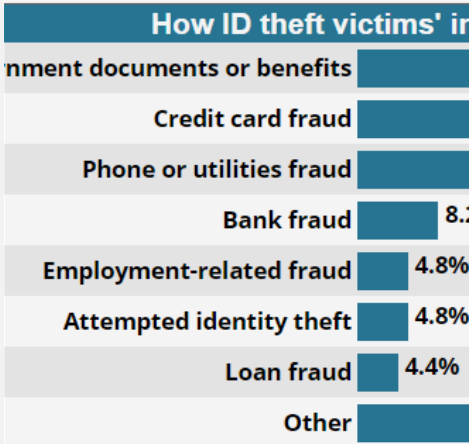decision tree   expert system   machine learning   compute
Cited 4,819 times

Outline of a New Approach to the Analysis of Systems and Decision Processes
1973, IEEE Transactions on Systems, Man, and Cybernetics, issue
Lotfi A Zadeh (University Of California Berkeley)

fuzzy set   complex systems   artificial neural network   com
machine learning   artificial intelligence   computer science
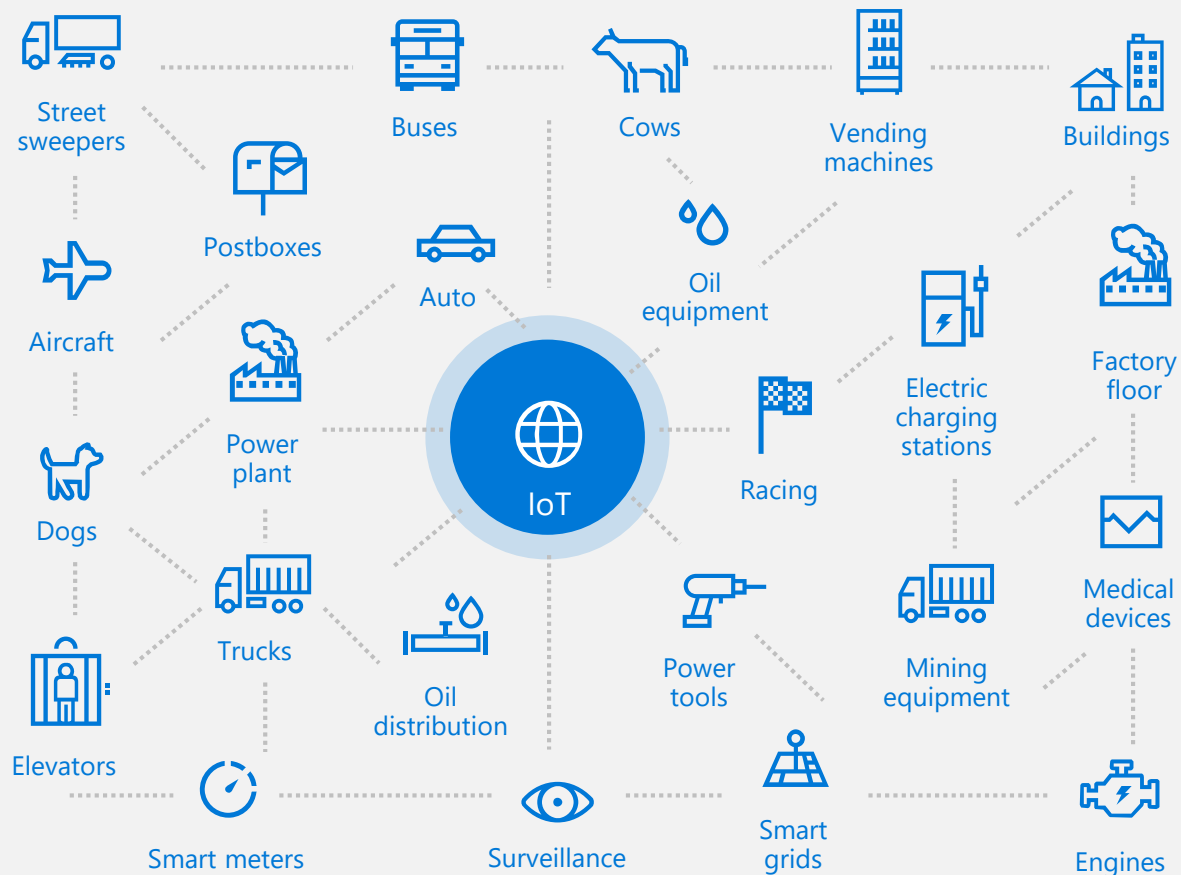Cited 2,602 times

Search

Bing Search

Listening... 🎤

Fraud prevention results...

How ID theft victims' in

nment documents or benefits

Credit card fraud

Phone or utilities fraud

Bank fraud   8.

Employment-related fraud   4.8%

Attempted identity theft   4.8%

Loan fraud   4.4%

Other

sion Consumer Sentinel Network Data Book,

Simplify IoT with preconfigured solutions

Street sweepers

Buses

Cows

Vending machines

Buildings

Postboxes

Auto

Oil equipment

Aircraft

IoT

Factory floor

Power plant

Racing

Electric charging stations

Dogs

Medical devices

Trucks

Oil distribution

Power tools

Mining equipment

Elevators

Engines

Smart meters

Surveillance

Smart grids

Azure IoT Suite

Device connectivity & management

Data ingestion and command & control

Stream processing & predictive analytics

Workflow automation and integration

Dashboards and visualization

Preconfigured solutions

Remote monitoring

Predictive maintenance

Connected factory (new)

Comply with industry and regional requirements

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 | DoD DISA SRG Level 5 | 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 |

Azure Stack + hybrid

Truly consistent hybrid cloud platform

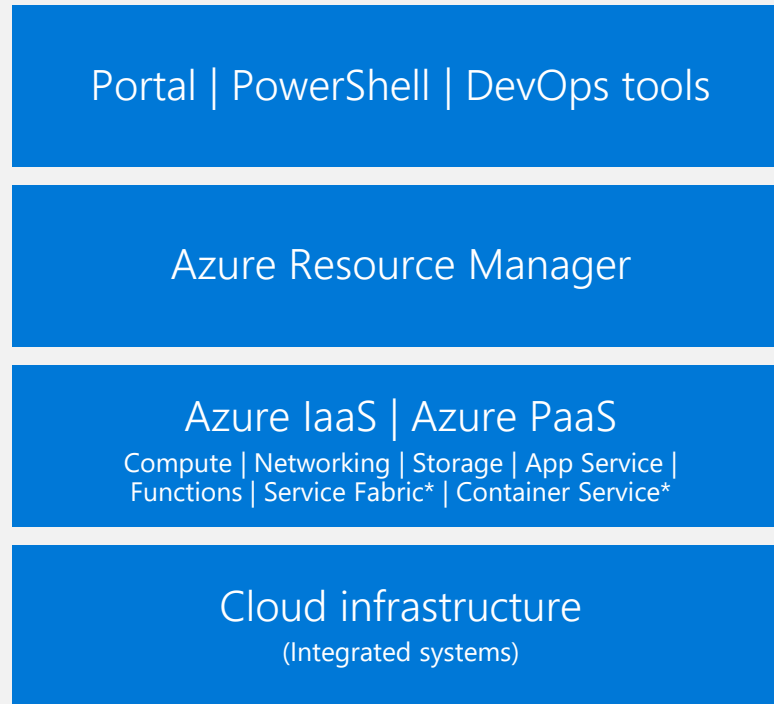Bring the agility and innovation of the cloud to your datacenter
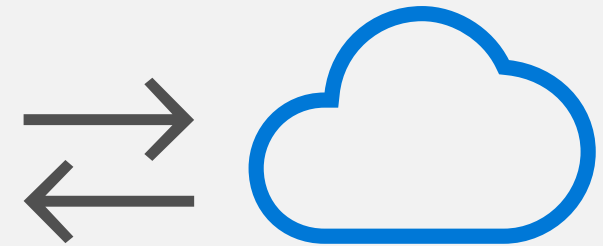
Edge and disconnected solutions

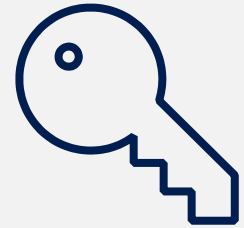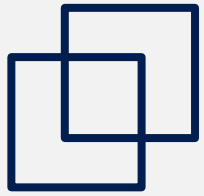Cloud applications that meet every regulation

Modern applications across cloud and on-premises

Portal | PowerShell | DevOps tools

Azure Resource Manager

Azure IaaS | Azure PaaS
Compute | Networking | Storage | App Service | Functions | Service Fabric* | Container Service*

Cloud infrastructure
(Integrated systems)

Azure Stack

Azure
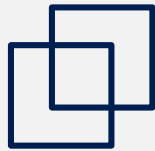
Hybrid · Productive · Intelligent · Trusted

> 90%
of Fortune 500 use
Microsoft Cloud

Thank You!

ευχαριστώ   **Salamat Po**   متشكرم   شكراً   **Grazie**

благодаря   ありがとうございます   **Kiitos**   **Teşekkürler**   谢谢

ขอบคุณครับ   **Obrigado**   شكريه   **Terima Kasih**   Dziękuję

Hvala   **Köszönöm**   **Tak**   Dank u Wel   дякую   **Tack**

Mulţumesc   спасибо   **Danke**   Cám ơn   **Gracias**

多謝晒   **Ďakujem**   תודה   நன்றி   **Děkuji**   감사합니다