FUJITSU

shaping tomorrow with you



Fujitsu expert4you "Willkommen im Zoo der Hybrid IT-Lösungen"

Azure Stack Hybrid Cloud Strategie HCI in Windows Server 2019

Microsoft

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Partner Development

The digital feedback loop



A new era of computing



1970s

Mainframe era

One computer per many users



1980s

Personal computer era

One computer per user



2000s

Mobility era

Several computers per user



2010s

Cloud era

Several computers per user



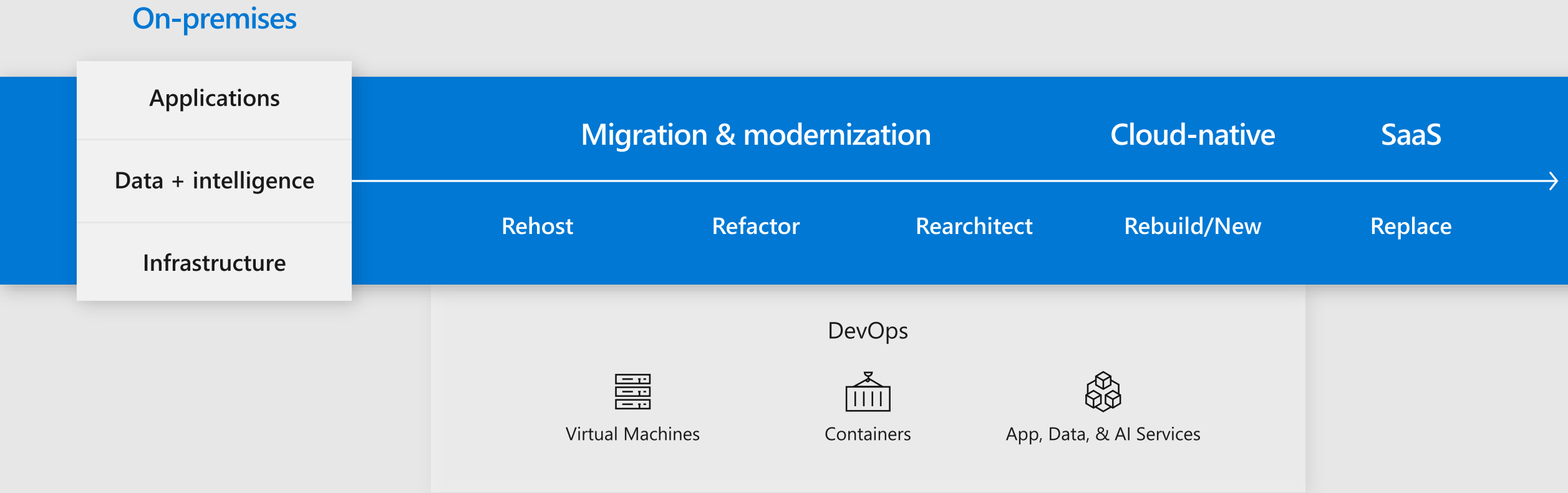
2020 and beyond

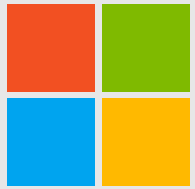
Ubiquity era

Thousands of computers per user

Source: Being Human: Human-Computer Interaction in the year 2020, Microsoft Research, April 2008
http://research.microsoft.com/en-us/um/cambridge/projects/hci2020/

Customer cloud journey

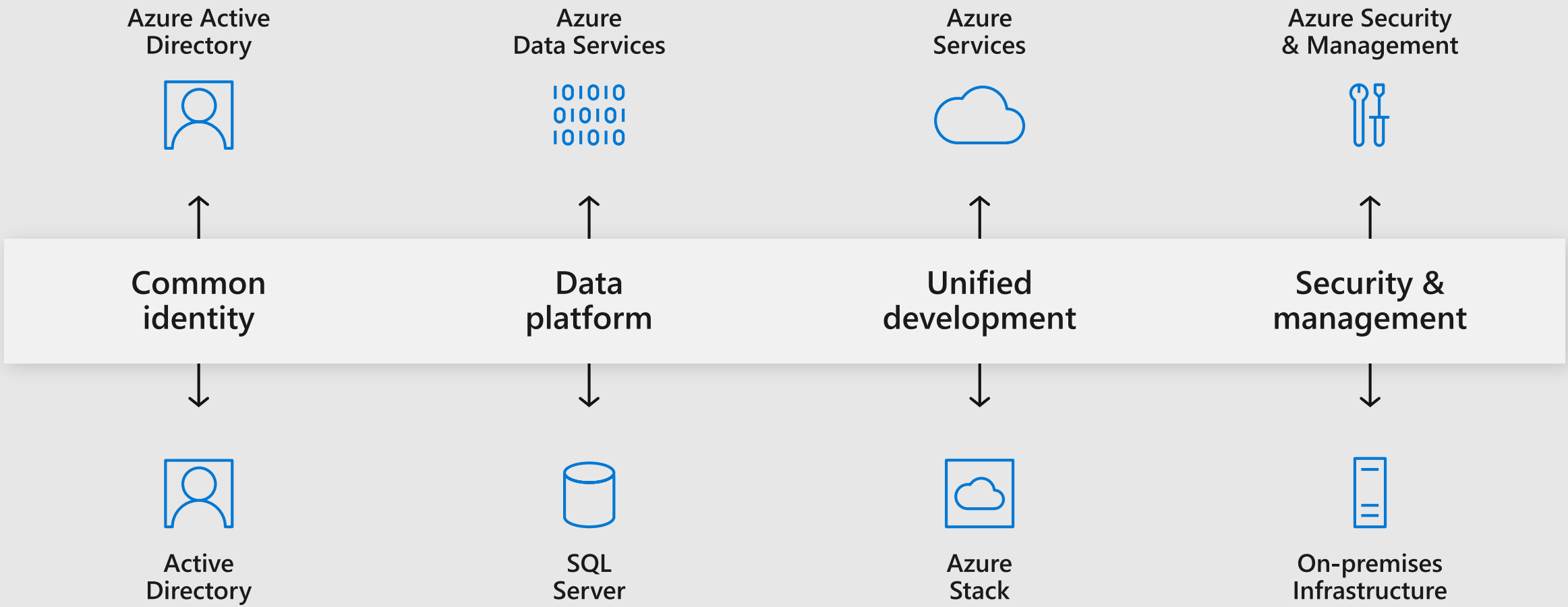




Microsoft Azure

Productive + Hybrid + Intelligent + Trusted

Consistent hybrid environment



Azure Stack: An extension of Azure



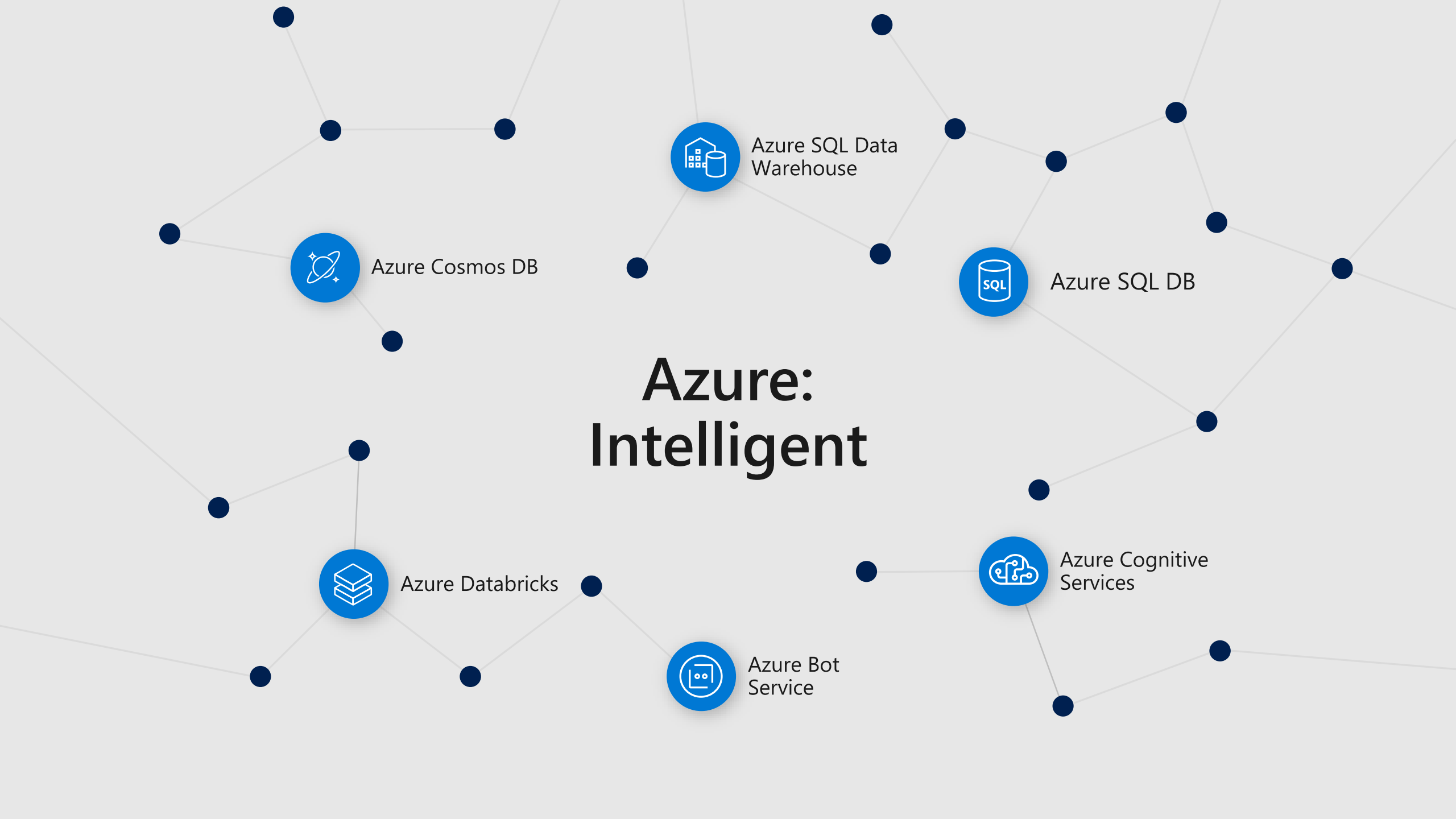
At the edge and disconnected



Meet every regulatory requirement



Cloud application model on-premises


Azure SQL Data Warehouse
Azure Cosmos DB
Azure SQL DB
SQL
Azure: Intelligent
Azure Databricks
Azure Cognitive Services
Azure Bot Service

Azure: Trusted

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
- 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

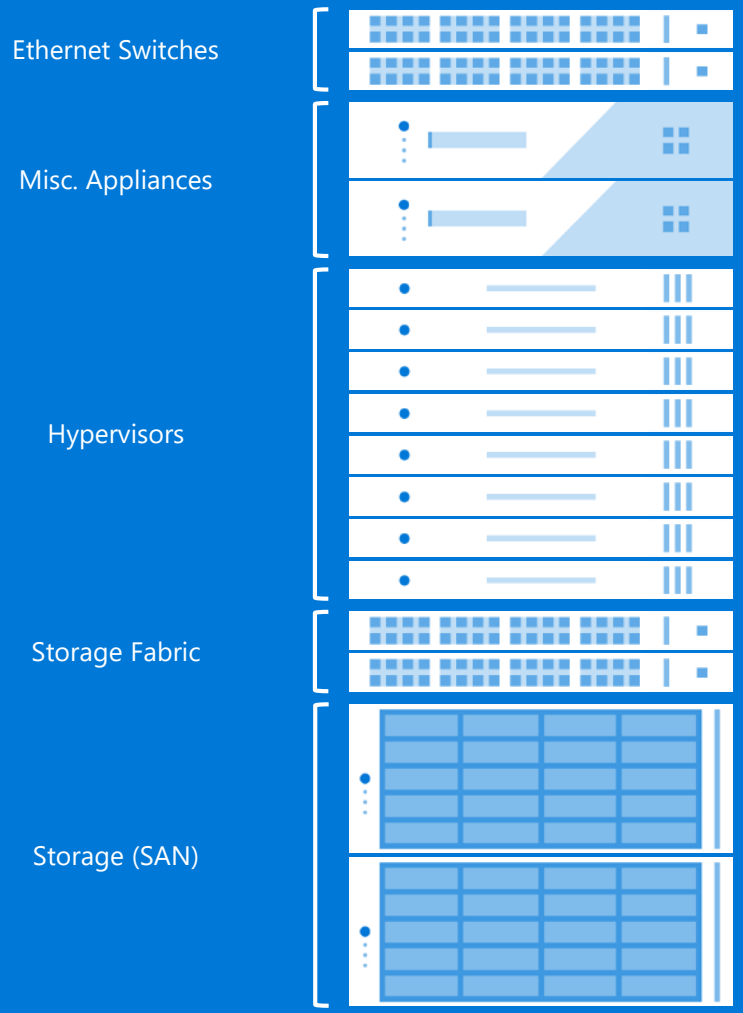
Azure-Regionen

Azure verfügt über mehr globale Regionen als jeder andere Cloudanbieter – und bietet damit genau die Reichweite, um Ihre Anwendungen und Benutzer weltweit näher zusammenzubringen. Azure stellt die Datenresidenz sicher und bietet den Kunden umfassende Optionen hinsichtlich Compliance und Ausfallsicherheit.

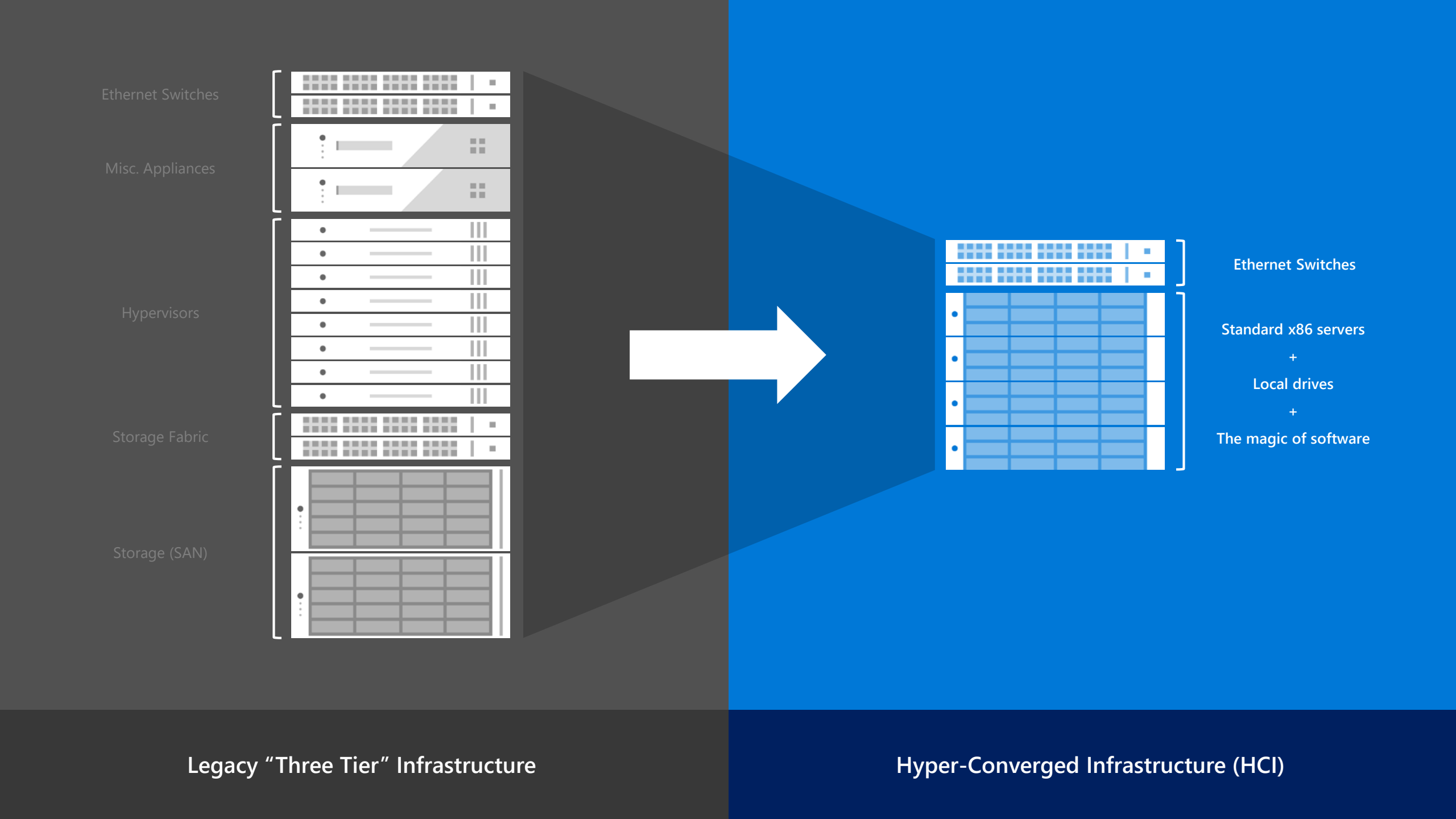
54 Regionen Weltweit

140 Verfügbar in 140 Ländern





Legacy “Three Tier” Infrastructure


Ethernet Switches
Misc. Appliances
Hypervisors
Storage Fabric
Storage (SAN)
Ethernet Switches
Standard x86 servers
+
Local drives
+
The magic of software
Legacy “Three Tier” Infrastructure
Hyper-Converged Infrastructure (HCI)

Hyper-converged infrastructure has many advantages

Lower costs

$$$

- **No proprietary** hardware or vendor lock-in
- **Choice** of industry-standard servers and components
- **Reduce** datacenter footprint and power and cooling cost

Innovate faster



- **100x** more servers sold every year than storage arrays
- **Inflection point** in hardware, from NVMe to RDMA
- Innovations come to Windows Server **first**

Simple scalability and expansion



- Buy **what you need** today, reduce Cap Ex
- Scale by adding servers, **one by one**
- Cloud-inspired **architecture** enables near-limitless scale
- **Built-in balancing** makes planning easy

Single vendor



- **Single source** for procurement and support
- **Pre-validated**, no integration work
- With Windows, no separate licenses, and **included guests!**

Unified management



- End-to-end **visibility** across the whole stack
- **Consistent, unified** experience across compute, networking, storage
- Reduce Op Ex



Hyper-V

Introduced in 2008, ten years ago!

Foundation of our hyperscale Azure cloud



Storage Spaces Direct

New in Windows Server 2016

In development for 5+ years at Microsoft

Foundation of Azure Stack

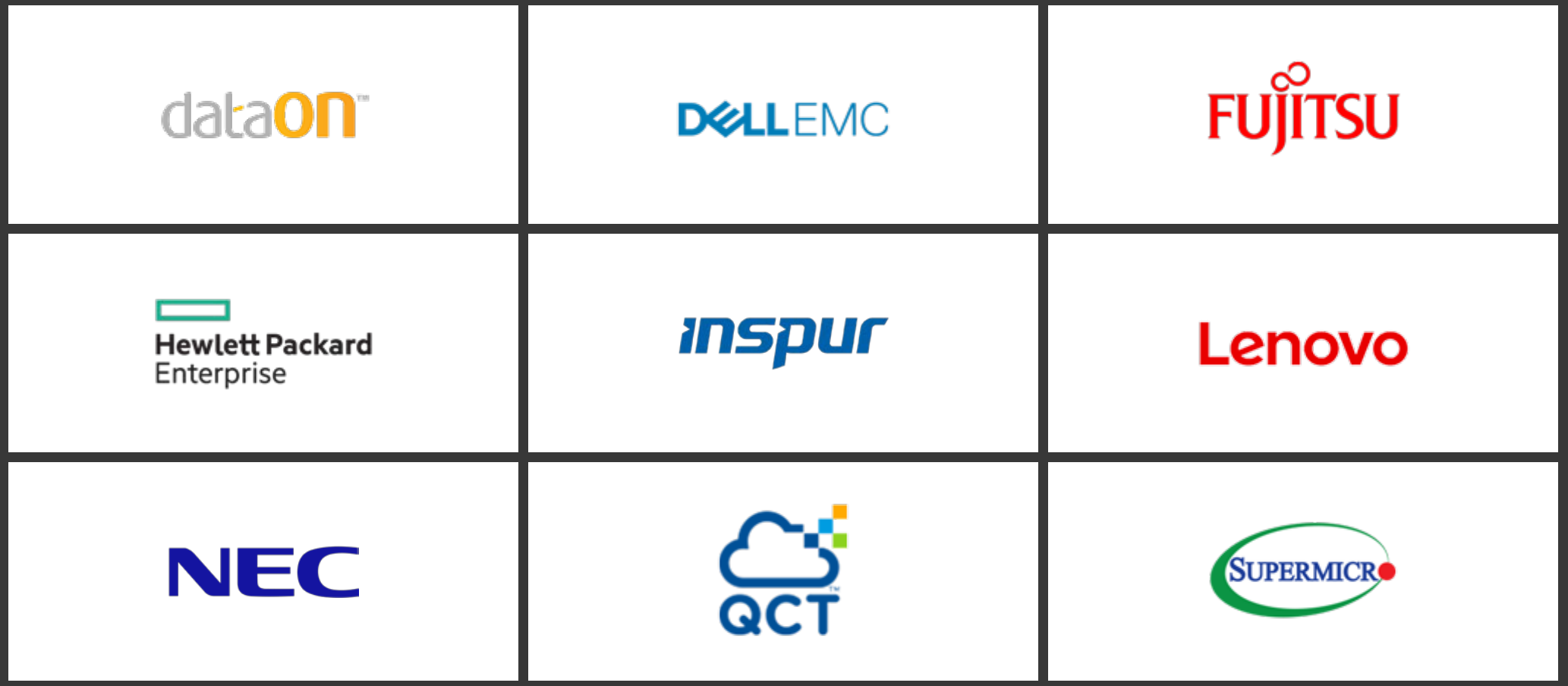


SDN

New in Windows Server 2016

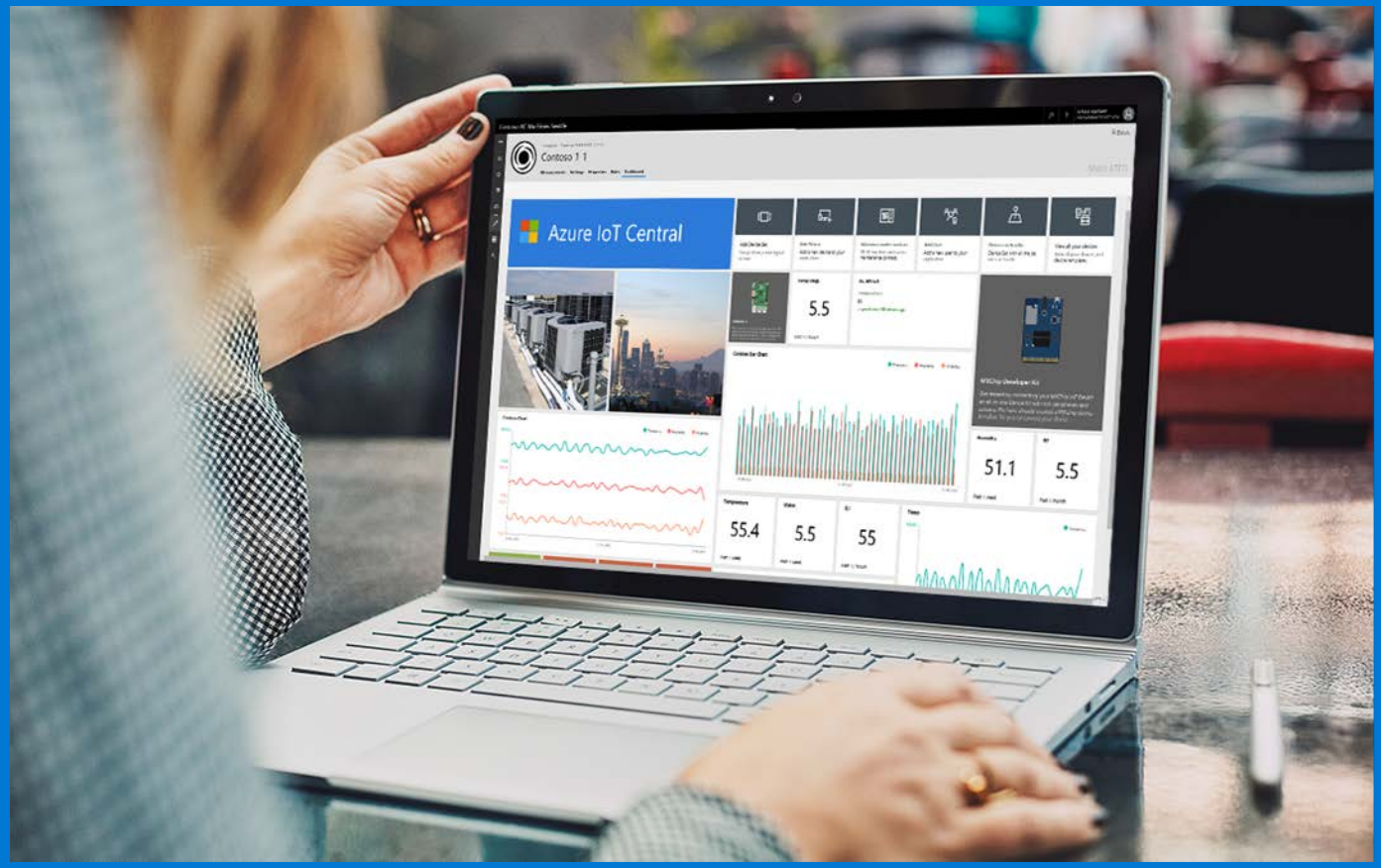
Taken directly from Azure

Partner offers available for your datacenter



Microsoft

Fragen!



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