



Fujitsu expert4you “Willkommen im Zoo der Hybrid IT-Lösungen”

Azure Stack Hybrid Cloud Strategie HCI in Windows Server



Klaus Reiter
Partner Technology Strategist

The digital transformation

Engage
customers



Optimize
operations



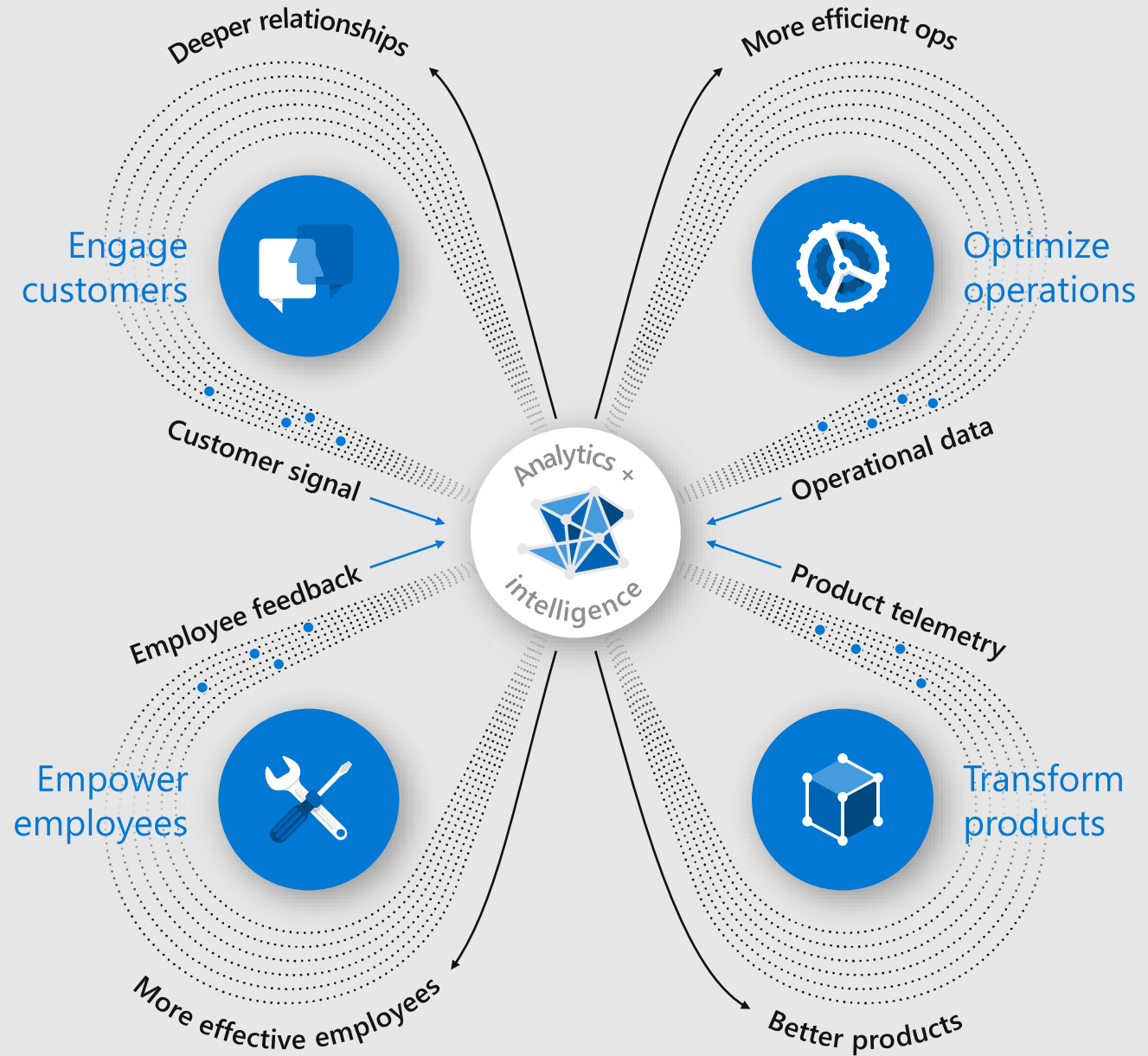
Empower
employees

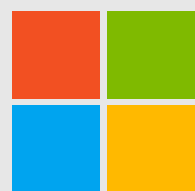


Transform
products



The digital feedback loop





Microsoft Azure

Productive + Hybrid + Intelligent + Trusted

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



Azure: Intelligent



Azure SQL Data
Warehouse



Azure SQL DB



Azure Cosmos DB



Azure Databricks



Azure Bot
Service

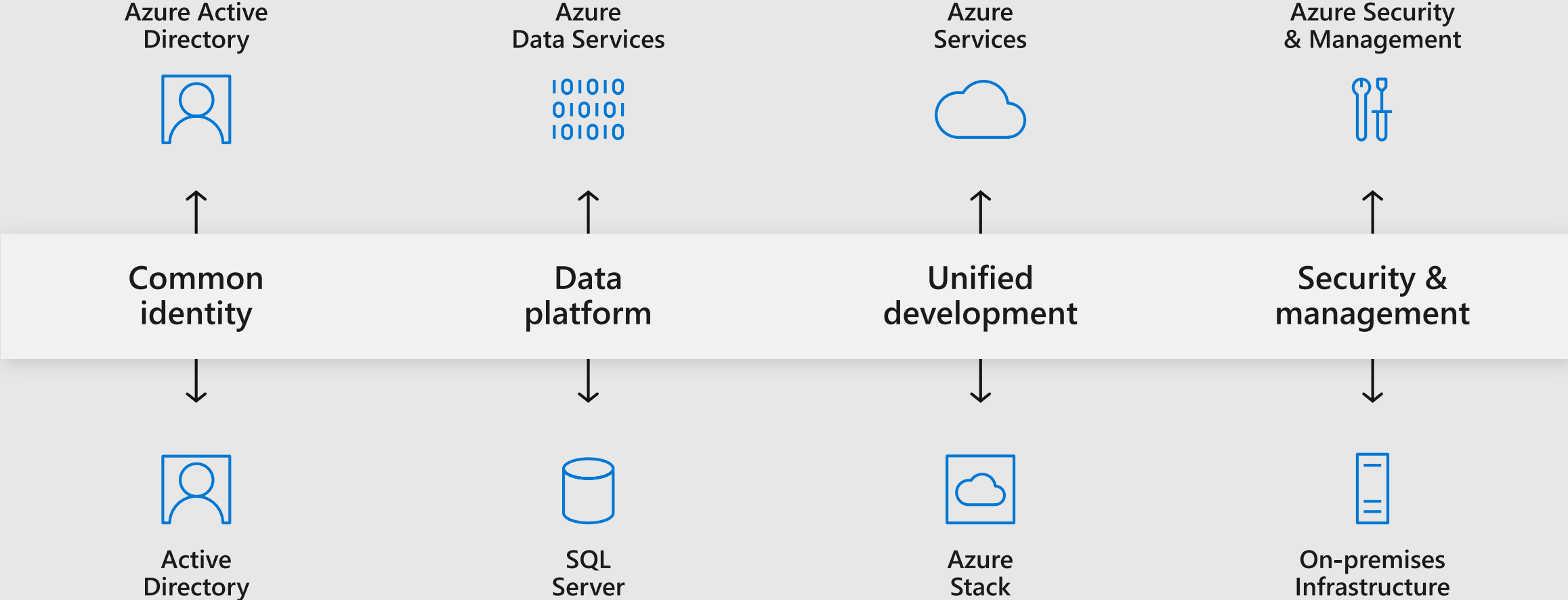


Azure Cognitive
Services

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											

Consistent hybrid environment



Azure Stack: An extension of Azure



**At the edge and
disconnected**



**Meet every
regulatory requirement**



**Cloud application
model on-premises**

Azure Capabilities on Azure Stack



Virtual machines (VM), VM scale

Rapid deployment with scaling on demand



Containers

Linux and Windows Server containers



Networking

Virtual network, load balancer, VPN gateway



Storage

Blobs, tables, queues



Key Vault

Securely protect application keys and secrets



Azure App Service

Web and API apps



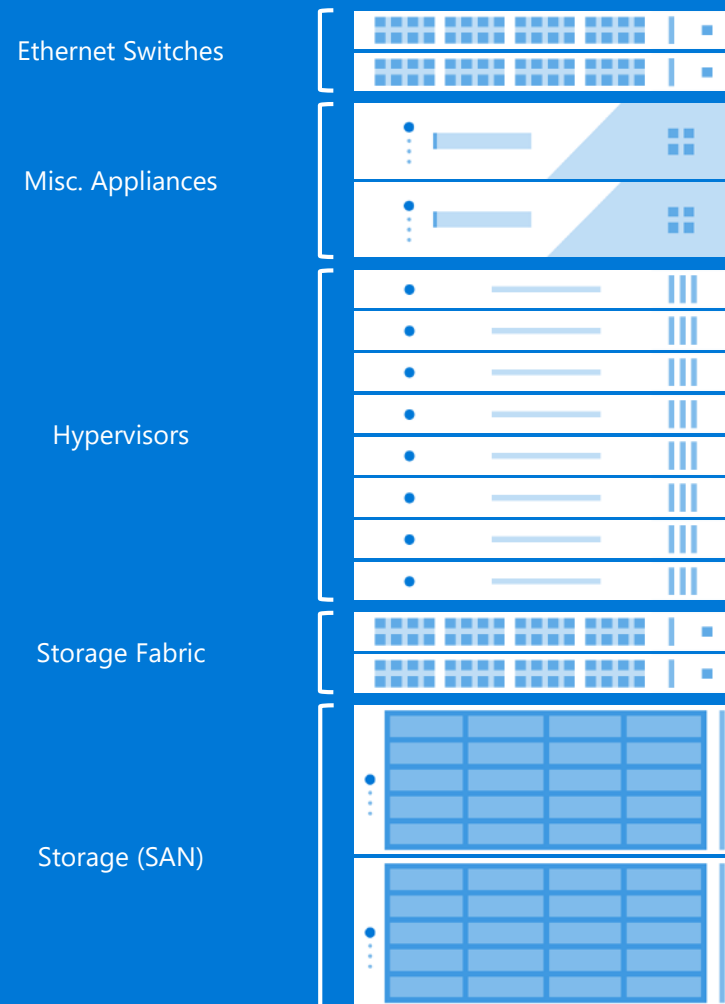
Azure Functions

Serverless Computing



Azure Marketplace

Ready to go Apps from the Azure Marketplace



Legacy “Three Tier” Infrastructure



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



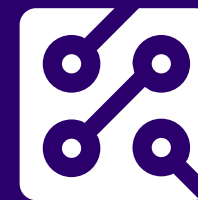
Hyper-V

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

Fragen!



Ihr Ansprechpartner bei Fujitsu

Klaus Reiter

eMail: klaus.reiter@microsoft.com

