orange networks
IT-CONSULTING - IT-DEVELOPMENT



Hybride Szenarien mit Azure & Azure Stack

Astrit Dibrani & Markus Klein

Duisburg, 20.07.17

orange networks
IT-CONSULTING - IT-DEVELOPMENT



Why Cloud?

orange networks
IT-CONSULTING - IT-DEVELOPMENT

- Failures are always unplanned and unexpected
- Off-Site is not always Off-Site
- Does your business work without IT?
- On-Demand capacity
- No Infrastructure management needed
- No money bound to resources





orange networks
IT-CONSULTING - IT-DEVELOPMENT



What is Microsoft Azure?

orange networks
IT-CONSULTING - IT-DEVELOPMENT



Microsoft Azure is an open and flexible cloud platform that enables you to quickly build, deploy and manage applications across a global network of Microsoft-managed datacenters. You can also create an on-demand infrastructure that scales and adapts to your changing school or business needs, allowing you to integrate your existing school or organization environment with the Microsoft Azure public cloud.



Always up. Always on.

Unlimited servers. Unlimited storage.

Open.

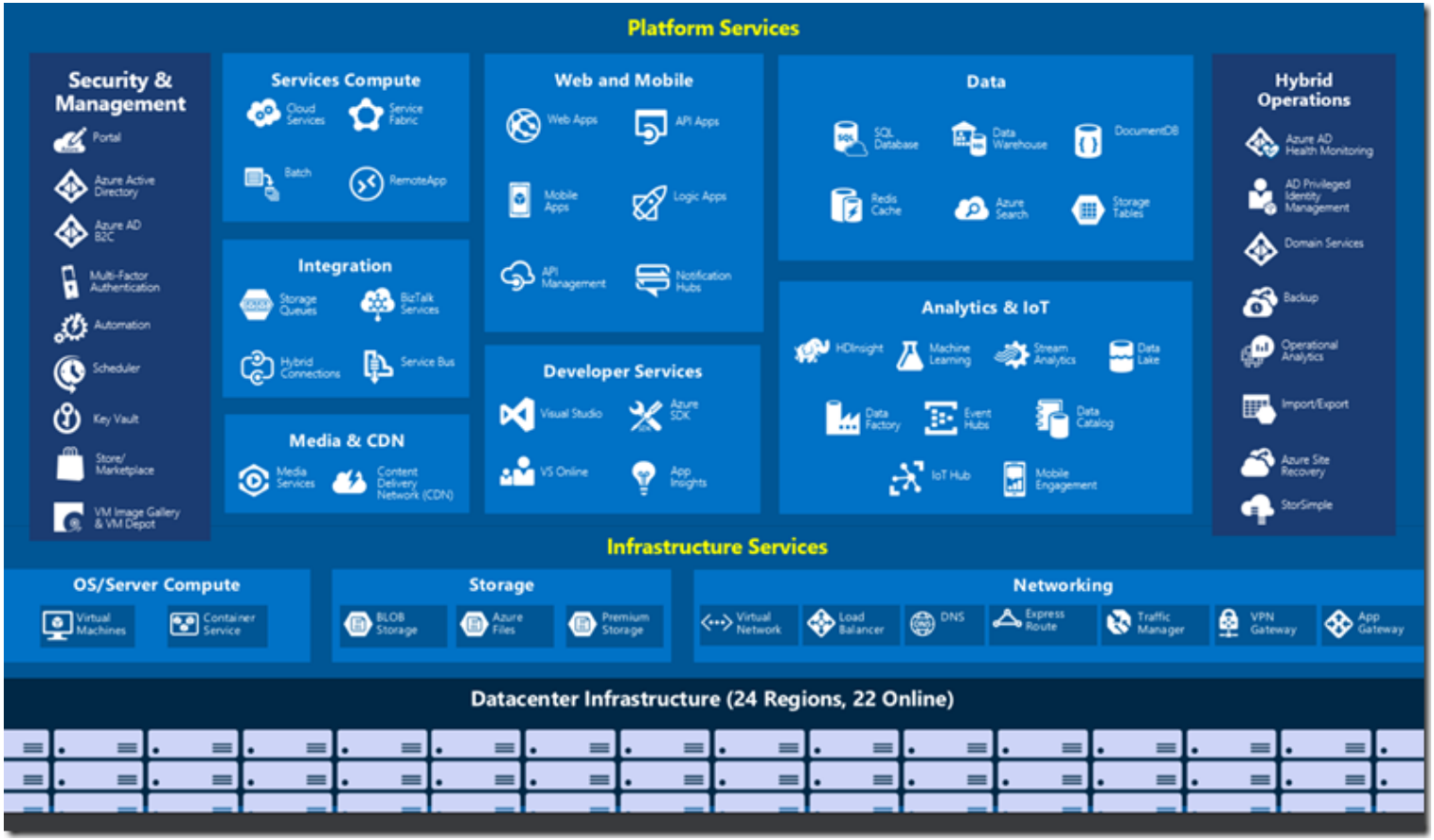
Azure Datacenters

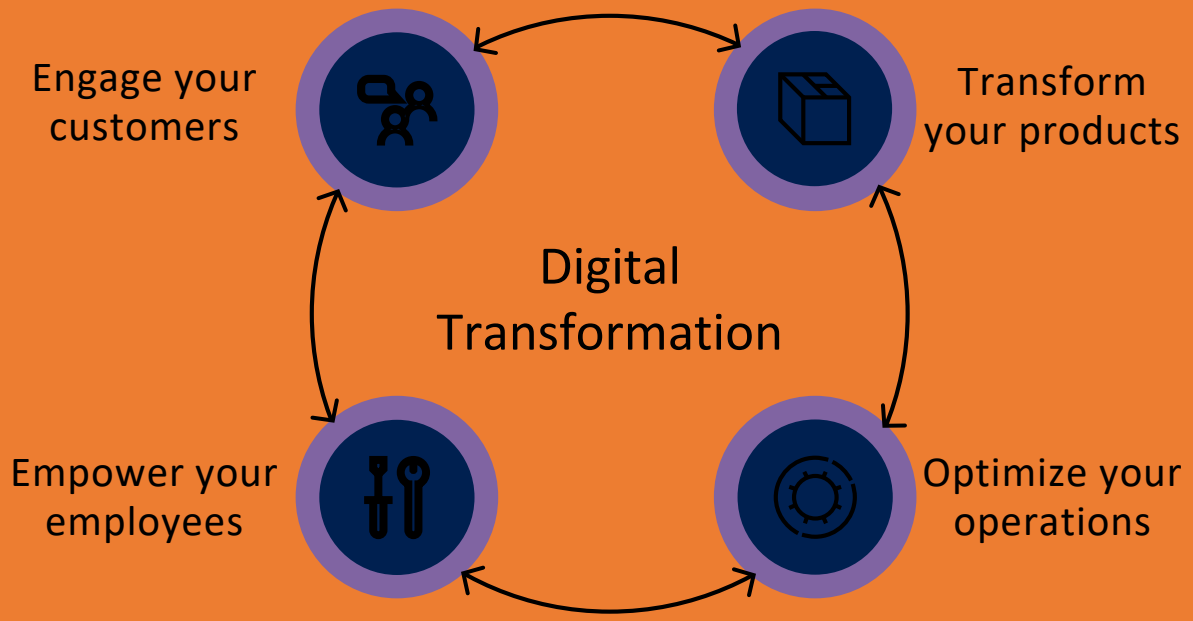
orange networks
IT-CONSULTING - IT-DEVELOPMENT



Azure Offering

orange networks
IT-CONSULTING - IT-DEVELOPMENT




Engage your customers
Transform your products
Digital Transformation
Empower your employees
Optimize your operations



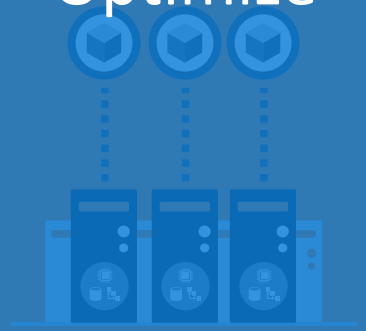
Global • Trusted • Hybrid

Cloud is a new way to think about your datacenter

Traditional model

- Dedicated infrastructure for each application
- Custom hardware
- Distinct infrastructure and operations teams
- Customized processes and configurations

Optimize



Servers

Cloud model

- Loosely coupled apps and micro-services
- Industry-standard hardware
- Service-focused DevOps teams
- Standardized processes and configurations

Transform

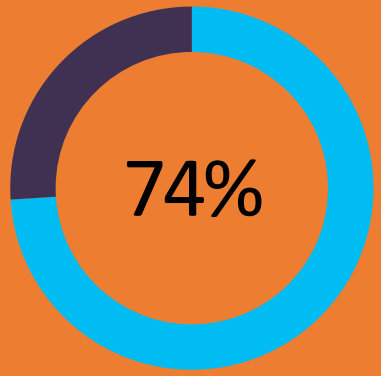


Services

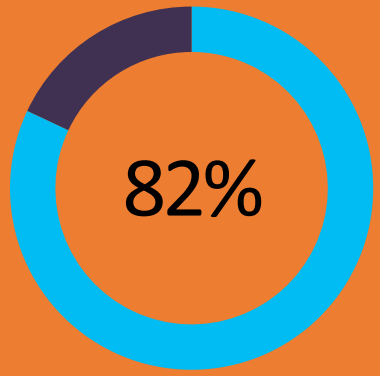
Hybrid cloud, a reality today

Workload requirements

- [x] Regulation
- [x] Sensitive data
- [x] Customization
- [x] Latency
- [x] Legacy support



Enterprises believe a hybrid cloud will enable business growth[1]



Enterprises have a hybrid cloud strategy, up from 74 percent a year ago[2]

Sources: 1. Avanade, Global Study: Hybrid Cloud–From Hype to Reality (Dec 2014); 2. IDC Cloud Predictions for 2015 (Dec 2014).



Power of Azure in your datacenter

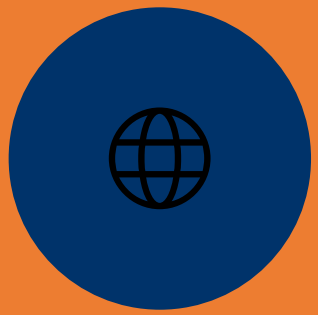
Microsoft Azure Stack is a new hybrid cloud platform product that enables organizations to deliver Azure services from their own datacenter.

Business and technical considerations

Regulations



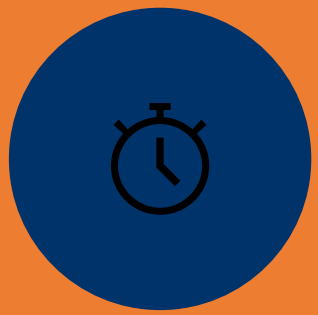
Data sovereignty



Customization



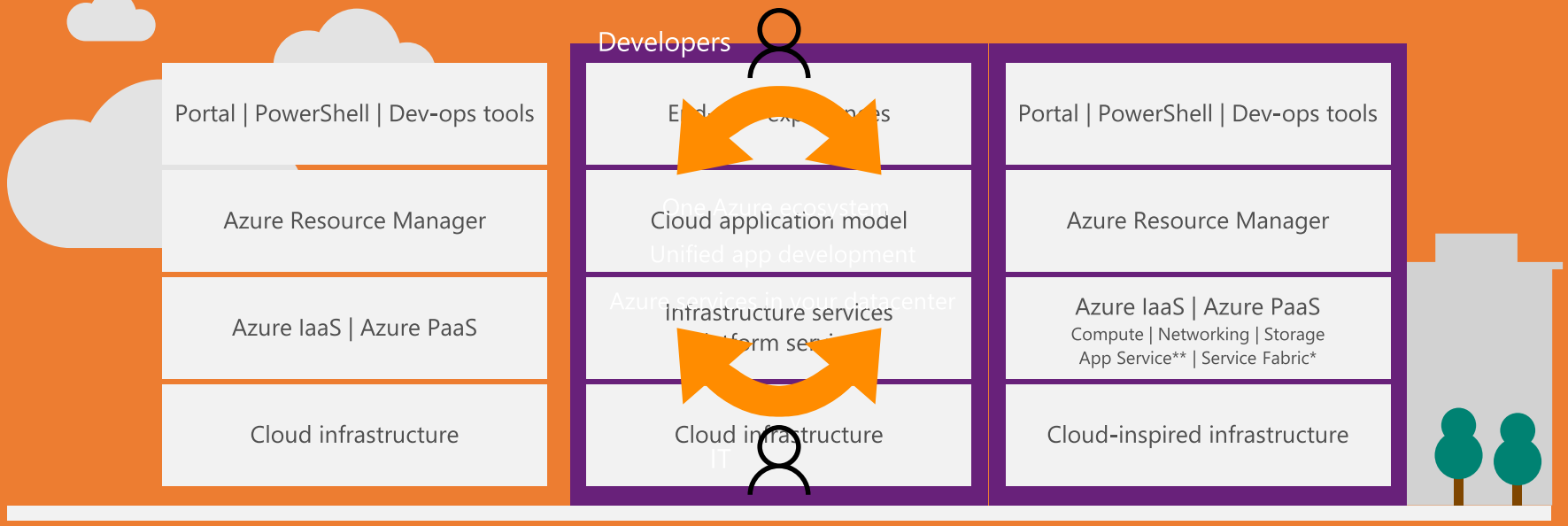
Latency



Hybrid solution

Microsoft's hybrid cloud platform

Power of Azure in your datacenter



Microsoft Azure
Public

Microsoft Azure Stack
Private | Hosted

* - some components will be in Preview at Azure Stack GA

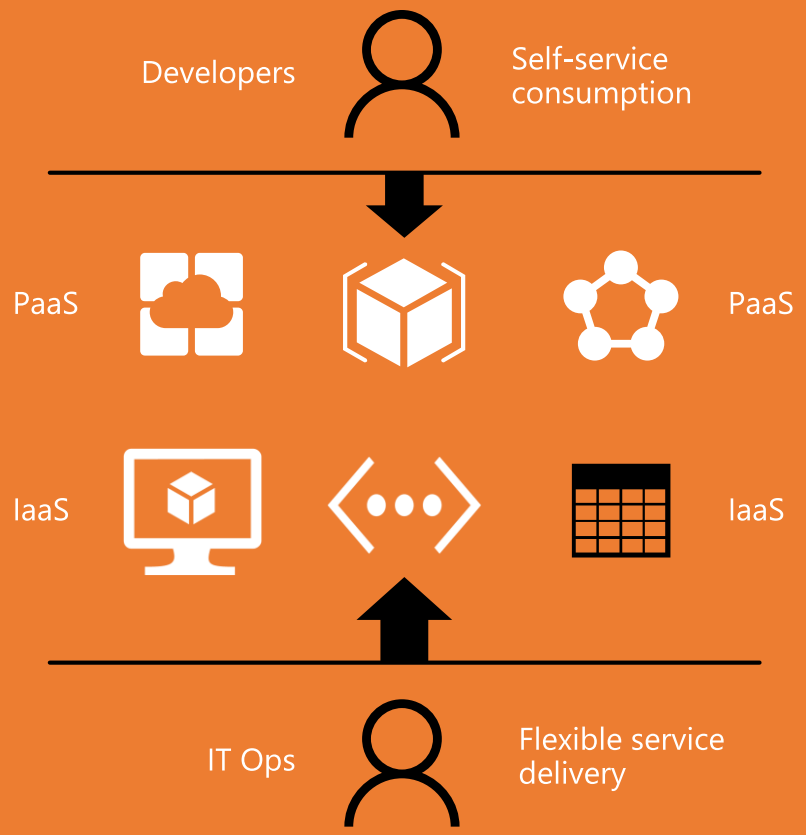
Azure services in your datacenter

Transform datacenter resources into cloud services

Self-service IaaS—Virtual Machines, Virtual Network, Storage, Docker-enabled containers

Self-service PaaS— App Service, Service Fabric*

Flexible service delivery with Azure-based management and automation tools




One Azure ecosystem
34
Azure regions today
More than AWS & Google combined
100s of service providers
1,000s of enterprises

Envisioning hybrid solutions: Azure Stack services @GA



Digital marketing



Mobile



E-commerce



Micro-service applications



Development and test



SharePoint on Azure Stack

Management, Security and Identity/Access: Azure Portal | Key Vault | Azure AD & ADFS integration

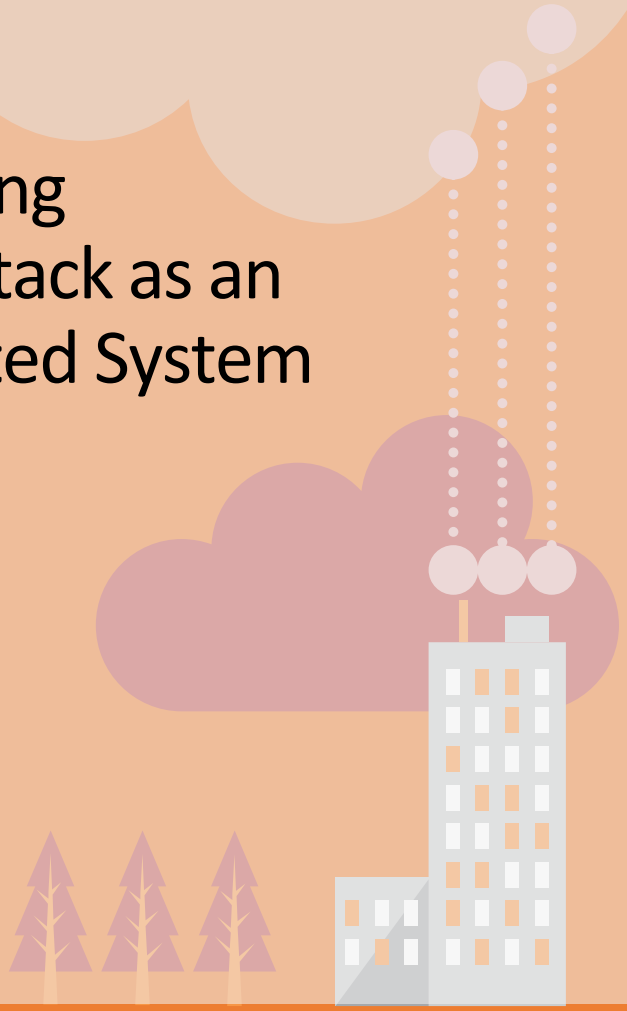
Azure PaaS: Web Apps | Mobile Apps | API Apps | Service Fabric*

Azure IaaS: Virtual Machines (incl. container extensions) | Storage (Blobs, Tables, Queues) | Networking (Virtual Network, Load Balancer, VPN Gateway)

* - In Preview @GA

orange networks
IT-CONSULTING - IT-DEVELOPMENT

Delivering Azure Stack as an Integrated System



- Software
- Hardware
- Support
- Services

Azure Stack integrated systems

orange networks
IT-CONSULTING - IT-DEVELOPMENT







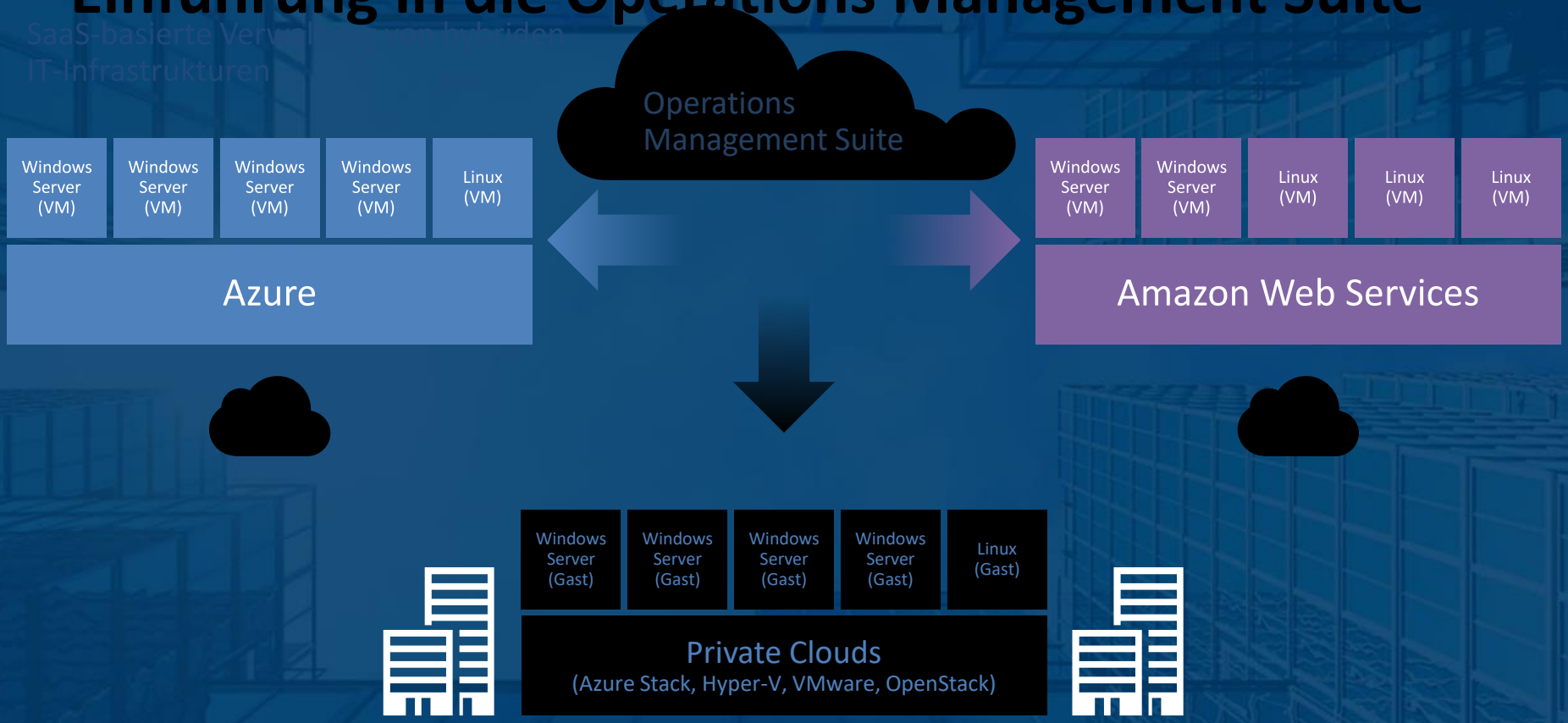
Q4/CY17:





Einführung in die Operations Management Suite

SaaS-basierte Verwaltung von hybriden IT-Infrastrukturen



Warum OMS?

Einfache Anwendung

Ein zentrales Portal für alle Ihre Verwaltungsaufgaben. Keine Infrastruktur, die betrieben werden muss.

Time to Value

Schnelles Start. Es müssen keine Inhalte erstellt werden. Stellt eine Verbindung zu Ihrem lokalen Rechenzentrum her.

Leichte Integration

Sie können innerhalb von Minuten neue Server hinzufügen oder eine Verbindung zu Ihren vorhandenen Verwaltungslösungen erstellen.

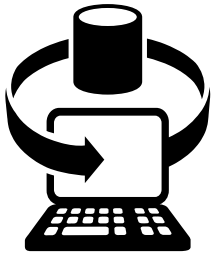
Hybrid und offen

Verwalten Sie Workloads über Windows und Linux, hybride Infrastrukturen und Cloud-Dienste wie Azure und AWS hinweg.

Erweitert System Center

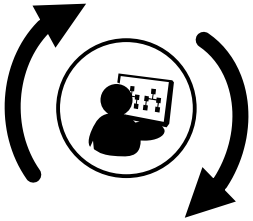
Ergänzt Ihre System Center-Investition und ermöglicht so neue Verwaltungsszenarien.

OMS-Lösungen



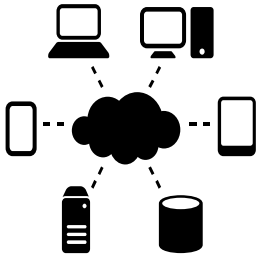
Log Datei - Analyse

Verschaffen Sie sich einen Überblick über Ihre hybride IT-Infrastruktur



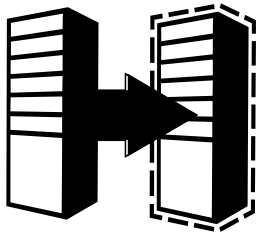
Automatisierung

Automatisieren Sie komplexe und sich wiederholende Abläufe



Azure Backup (Verfügbarkeit)

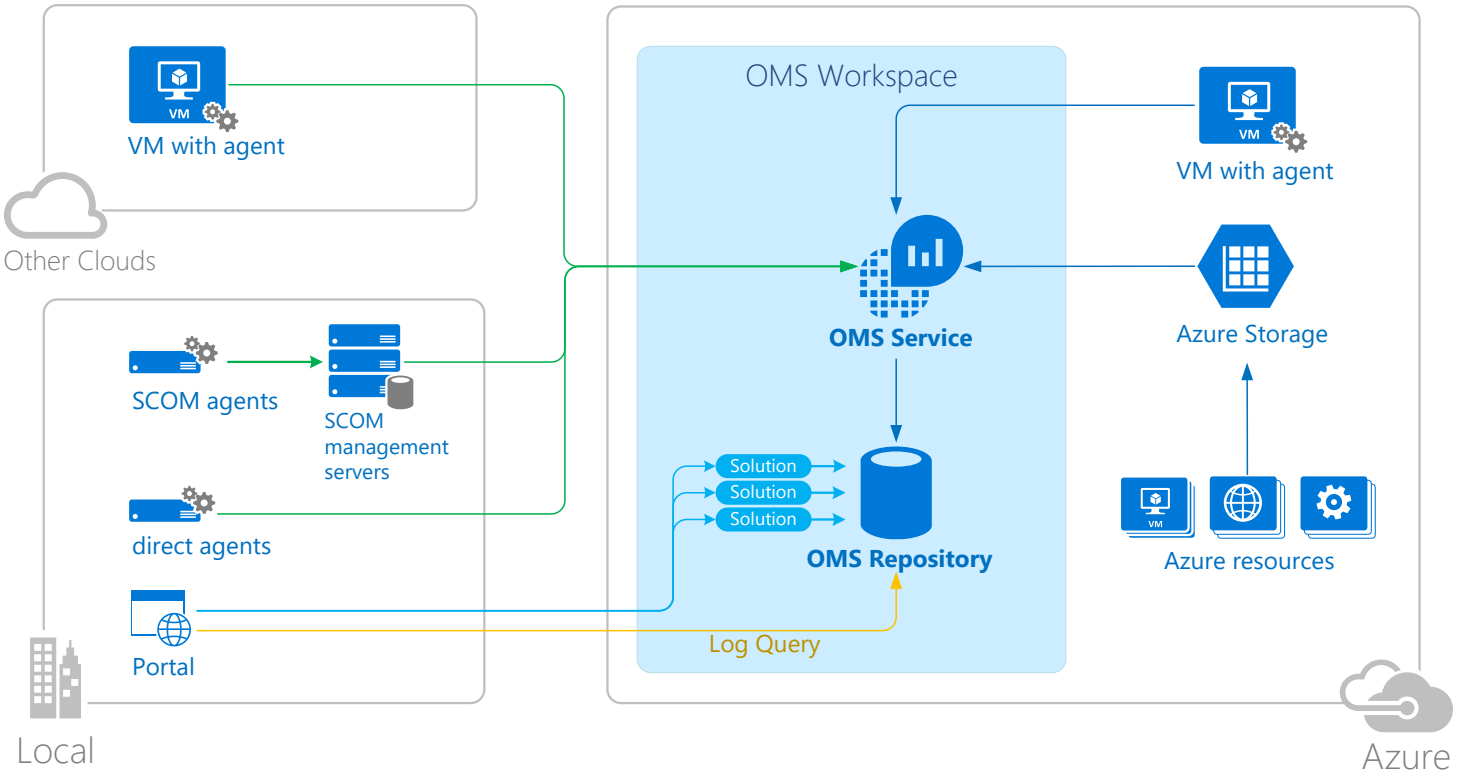
Erhöhen Sie den Schutz ihrer Daten und die Verfügbarkeit von Anwendungen

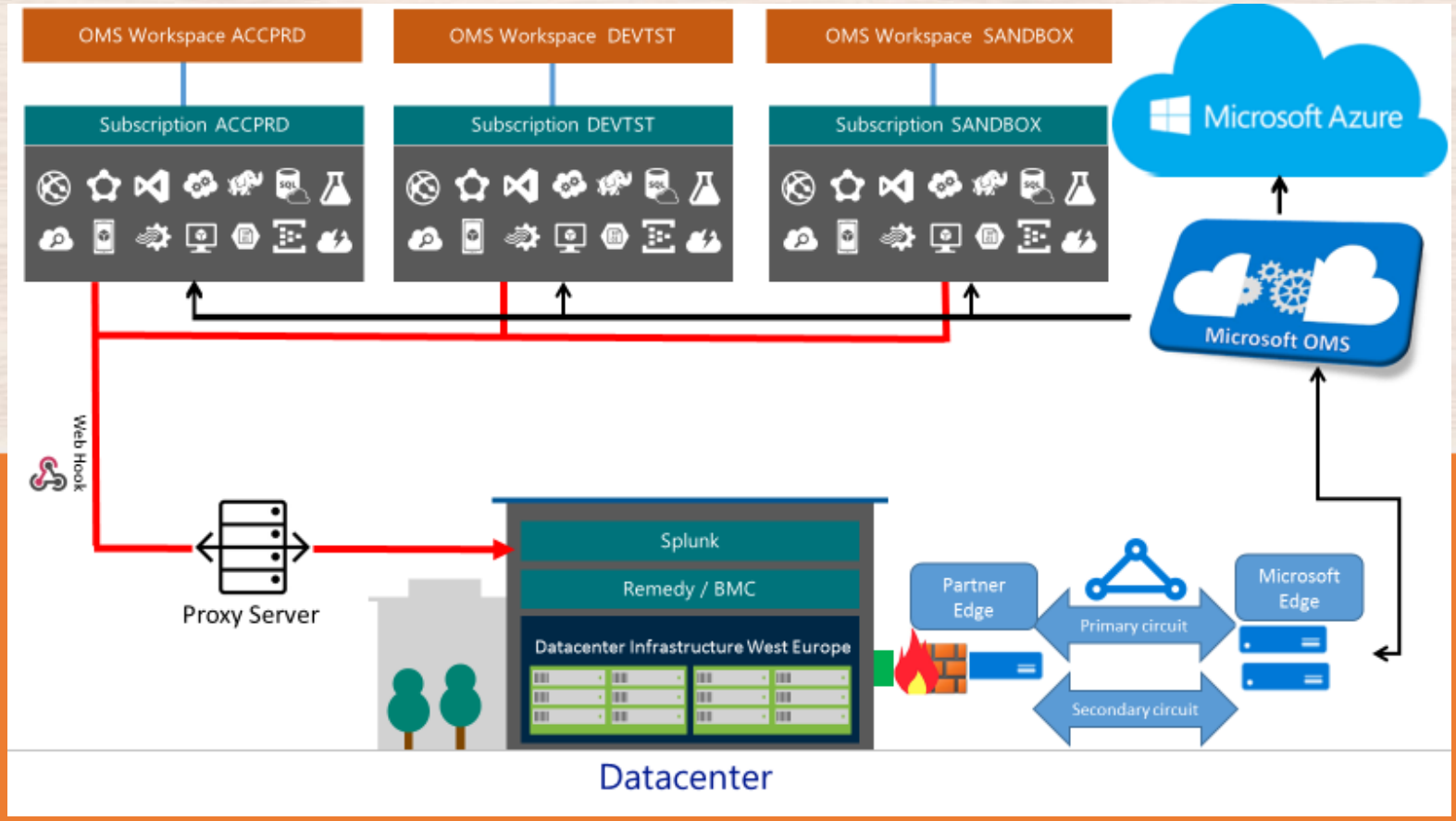


Azure Security Center (Sicherheit)

Mehr Sicherheit für Workloads, Server
und Benutzer

Architecture




OMS Workspace ACCPRD
OMS Workspace DEVTST
OMS Workspace SANDBOX
Subscription ACCPRD
Subscription DEVTST
Subscription SANDBOX
Microsoft Azure
Microsoft OMS
Web Hook
Proxy Server
Splunk
Remedy / BMC
Datacenter Infrastructure West Europe
Partner Edge
Primary circuit
Secondary circuit
Microsoft Edge
Datacenter

Live Demo



orange networks
IT-CONSULTING - IT-DEVELOPMENT

Weitere Fragen?



http://www.azurestack.rocks

orange networks
IT-CONSULTING - IT-DEVELOPMENT

In eigener Sache ... (Release August 2017)





a.dibrani@orangenet.de
m.klein@orangenet.de

orange networks

IT-CONSULTING - IT-DEVELOPMENT