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Technical Evangelist, Microsoft Deutschland

- Focus on Cloud Computing / Web Development
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Microsoft since 2010

- Worked with Microsoft Azure in different roles at Microsoft
- Speaker and technical trainer since 2012







Microsoft mission

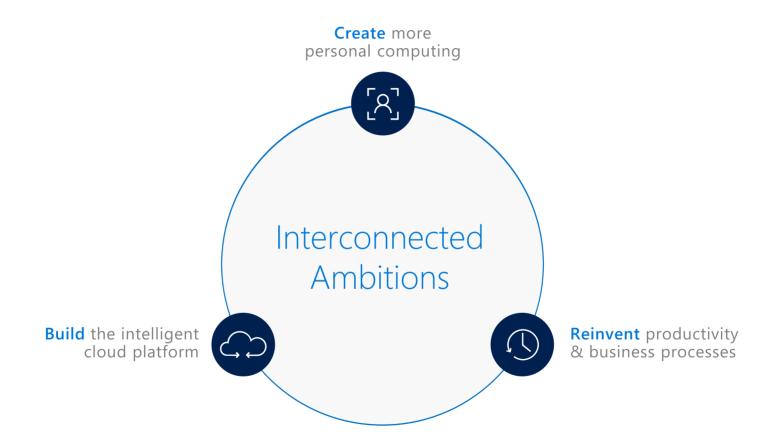
Empower every person and every organization on the planet to achieve more















Microsoft Azure















Choice + Flexibility

DevOps











Applications











App Frameworks













Databases & Middleware













Infrastructure

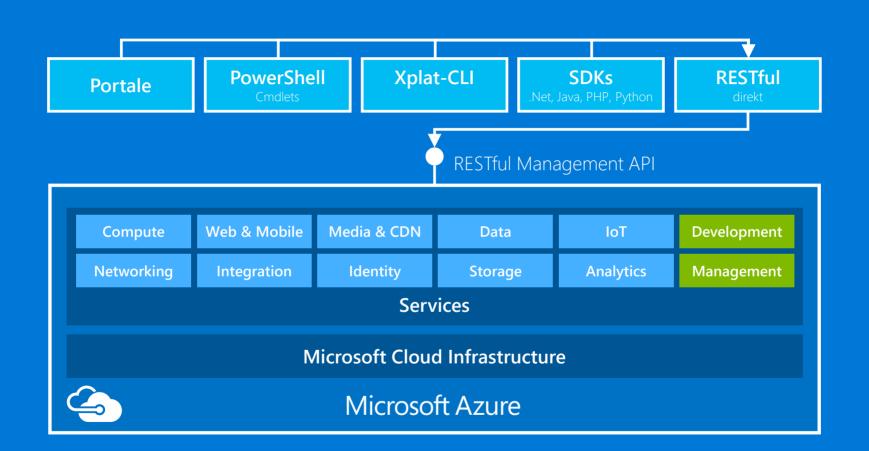












Microsoft Azure

Platform services

Web + Mobile Identity Management

Internet of Things Media Streaming

Microservices High Performance Compute

Data + Analytics Cognitive Services

Core infrastructure

Compute Storage Networking Security

Platform Services





Media & CDN







Infrastructure Services

















Networking







Datacenter Infrastructure

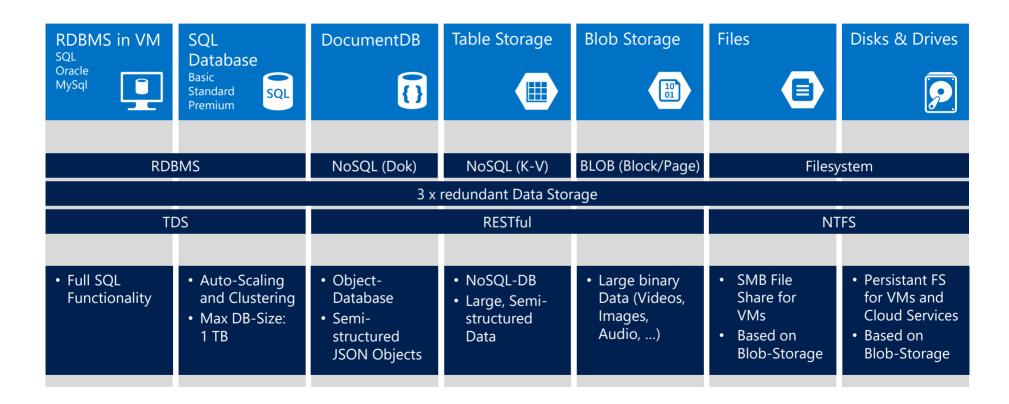


Storage in Microsoft Azure





Storage in the Cloud





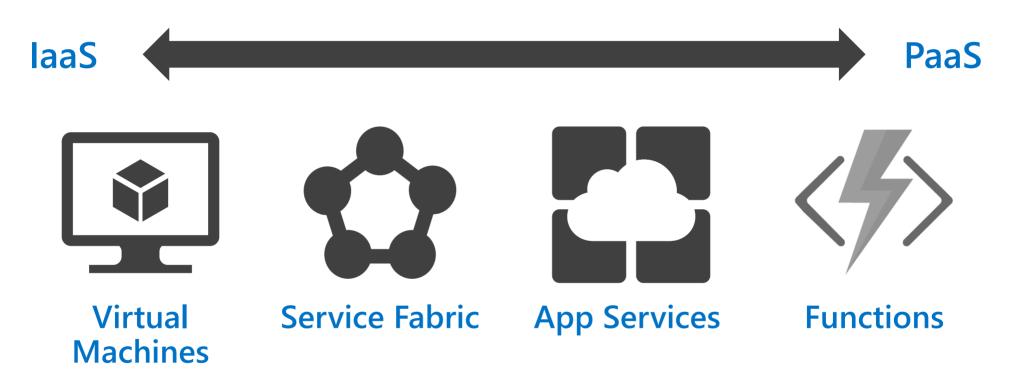


Compute in the Cloud





Azure Services for your applications



Virtual Machines

Windows, Linux, ...





Azure Container Service

Run you container infrastructure





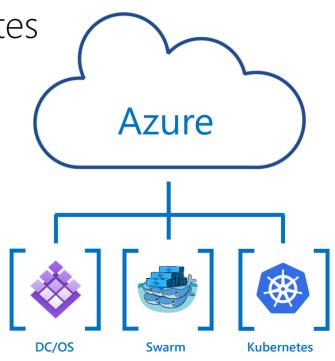
Azure Container Services

Standard Docker tooling and API support

Apache Mesos, Docker Swarm, Kubernetes

Linux and Windows Server containers

Azure and Azure Stack



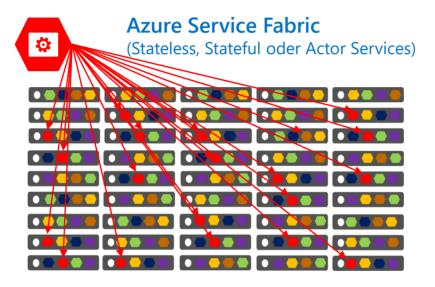
Service Fabric

A scalable Microservice Platform





Azure Service Fabric

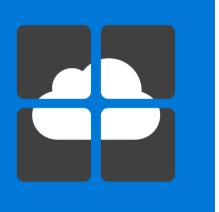


- Many micro services per VM
- High density
- Fast deployment of updates
- Scale micro services fast



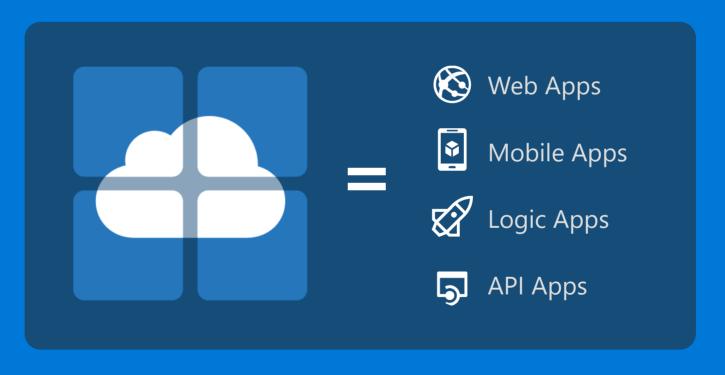


Azure App Services





Azure App Service Build and scale great cloud apps



Benefits of App Services

Automatic OS patching

High availability

- Automated scale out/in
- Built-in load balancing

Supports many languages and platforms

.NET, Node.js, Python, Ruby and many more

Easy continuous deployment

- Continuous delivery from third-party source control providers
- Built-in Git repo

Auto-load balance, Autoscale, Geo DR

Virtual networking and hybrid connections

Site slots for staged deployments







Web Apps

Web apps run as they are - no changes required





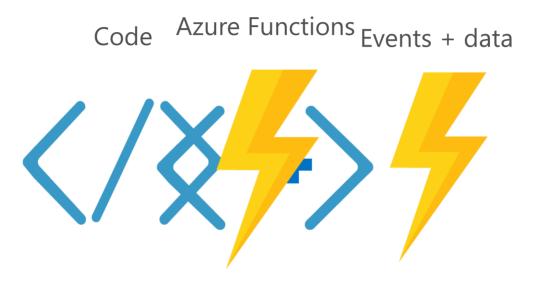
Azure Functions

Going serverless





What is Azure Functions?







Supported Languages

1st class support

- Node / JavaScript
- C#

New languages in preview

- F#
- Python
- PHP
- Batch
- Bash
- PowerShell





Supported bindings (5/2016)

Туре	Service	Trigger	Input	Output
Schedule	Azure Functions	✓		
HTTP (REST or WebHook)	Azure Functions	✓		✓
Blob Storage	Azure Storage	✓	✓	✓
Queues	Azure Storage	✓		✓
Tables	Azure Storage		✓	✓
Tables	Azure Mobile Apps Easy Tables		✓	✓
No-SQL DB	Azure DocumentDB		✓	✓
Streams	Azure Event Hubs	✓		✓
Push Notifications	Azure Notification Hubs			✓





Demo: Function Apps

Servers when you want them...





Servers when you want them...

serverless when you don't





There is more...





Azure Cognitive Services

Add the power of machine learning to any app Process images, video, speech, language and more Simple REST APIs















Azure Bot Service

Conversation as a Platform

Skype, Slack, Facebook Messenger, Microsoft Teams, ...

Automatically scale with a serverless architecture





Azure Meetups



www.aka.ms/azure-meetups

Next Steps

Test

Test Microsoft Azure for free http://azure.microsoft.com/de-de/pricing/free-trial/

First Look

Test App Services without an Azure Account https://tryappservice.azure.com/







Microsoft Developers

