

Cross-Platform & Cloud

Dr. Holger Kenn
Microsoft DX



Microsoft?

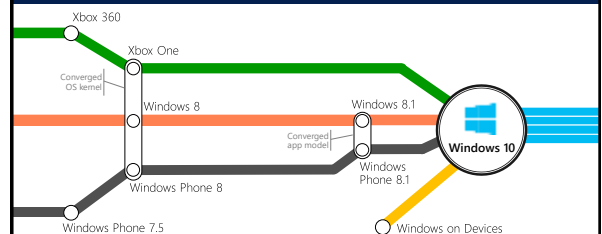
Albuquerque
1978

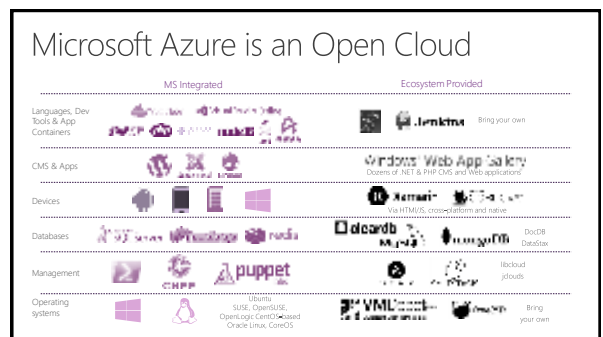
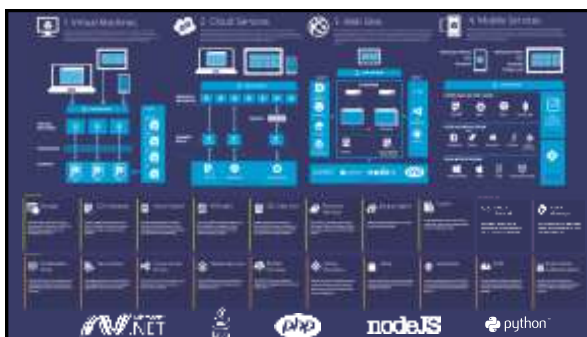
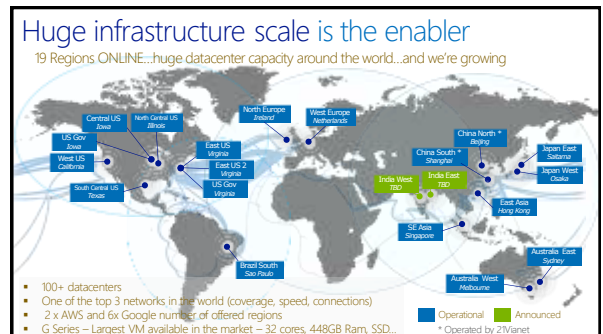
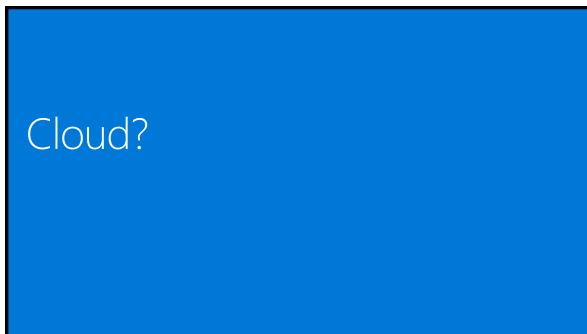
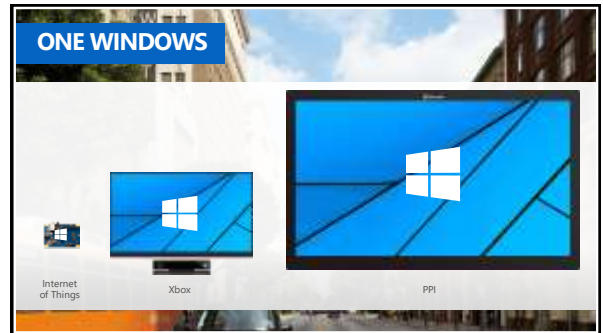
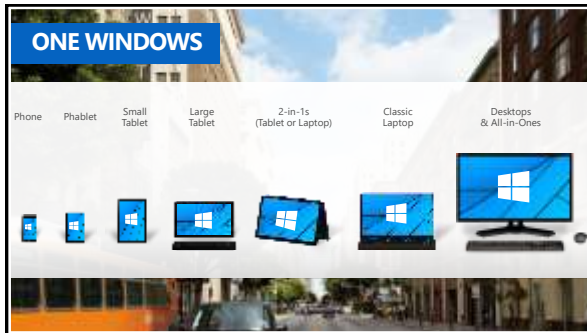


Microsoft DX?

Windows?

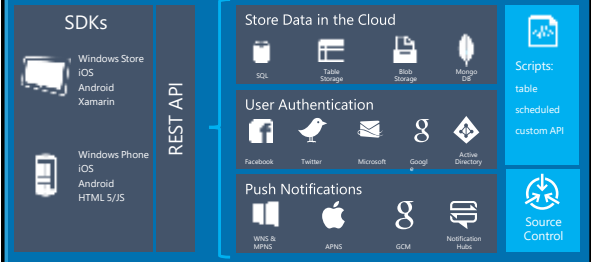
PLATFORM CONVERGENCE JOURNEY



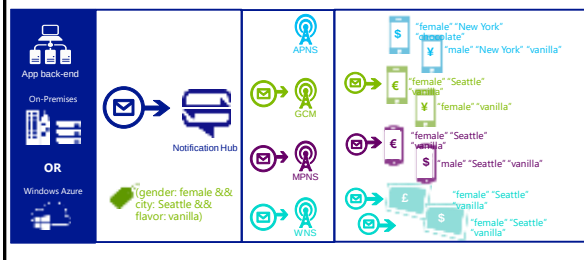


Mobile?

Mobile Services Overview



Notification Hubs Overview

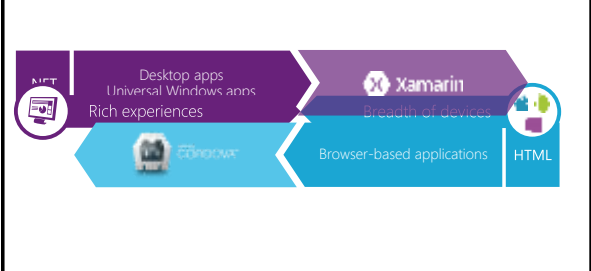


Cross-Platform?

Approaches for device development



Microsoft supports your choice



Native app development

Visual Studio and .NET

Most **productive and powerful** platform to create native applications for Windows

Create or modernize **desktop applications** and extend to new form factors

Universal Windows apps maximize code re-use

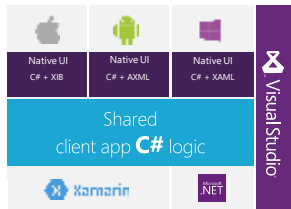
+ Xamarin

Reach **iOS and Android** devices with all the power and productivity of Visual Studio and .NET

Share **app logic code** across device platforms

Native performance for full customized experiences

100% APIs exposed, **everything you can do in xCode, ADT you can do it with Visual Studio**



Web app for devices

Web development with Visual Studio

Powerful IDE for HTML5 / CSS3

Highly interactive JavaScript-based apps

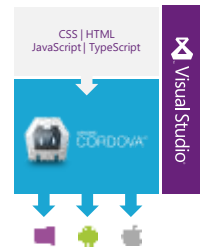
Suited for LOB browser-based apps

+ Integrated hybrid app support

Hybrid app build-in support with Cordova

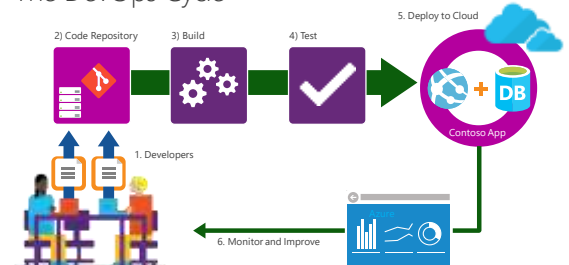
Full developer workflow for coding, debugging and instrumenting device hybrid apps

Visual Studio productivity for Android, iOS and Windows devices



Development?

The DevOps Cycle



And now?

Microsoft für Entwickler

- MSDN: <http://msdn.microsoft.com/>
- Azure: <http://azure.microsoft.com/>
- Visual Studio Online: <https://app.vssps.visualstudio.com/>
- Windows Development: <http://dev.windows.com>

3rd Party tools:

- Xamarin: <http://www.xamarin.com/>
- Apache Cordova: <http://cordova.apache.org/>

Microsoft für Studenten

- Dreamspark: <https://www.dreamspark.com/>
- Imagine Cup: <http://www.imaginecup.com/>

Hausaufgaben

- Live ID anlegen
- Bei Dreamspark registrieren
- Dreamspark Azure Benefits aktivieren
- VS 2013 Community installieren
- Azure Website mit REST-API implementieren



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