Microsoft

Who am I?

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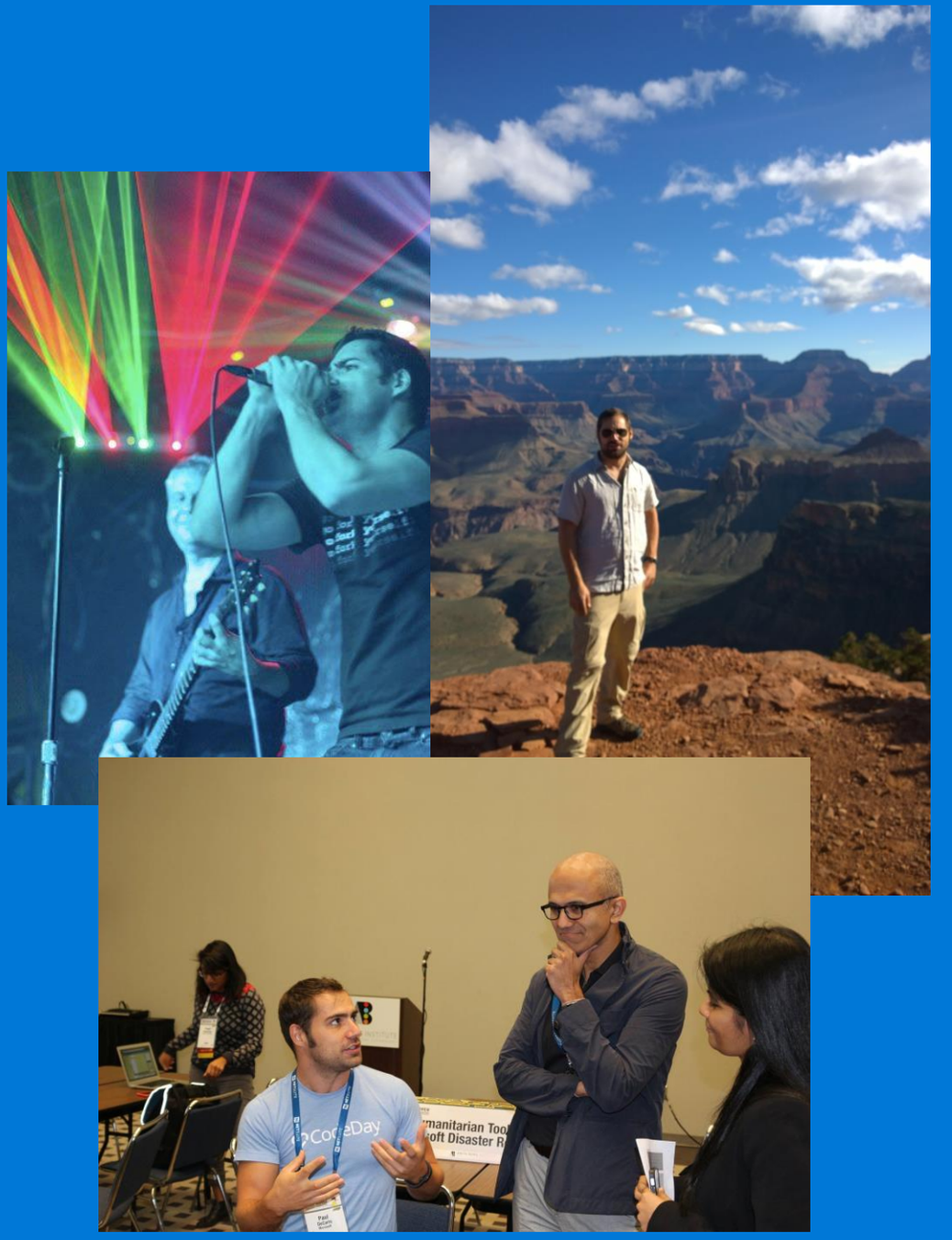
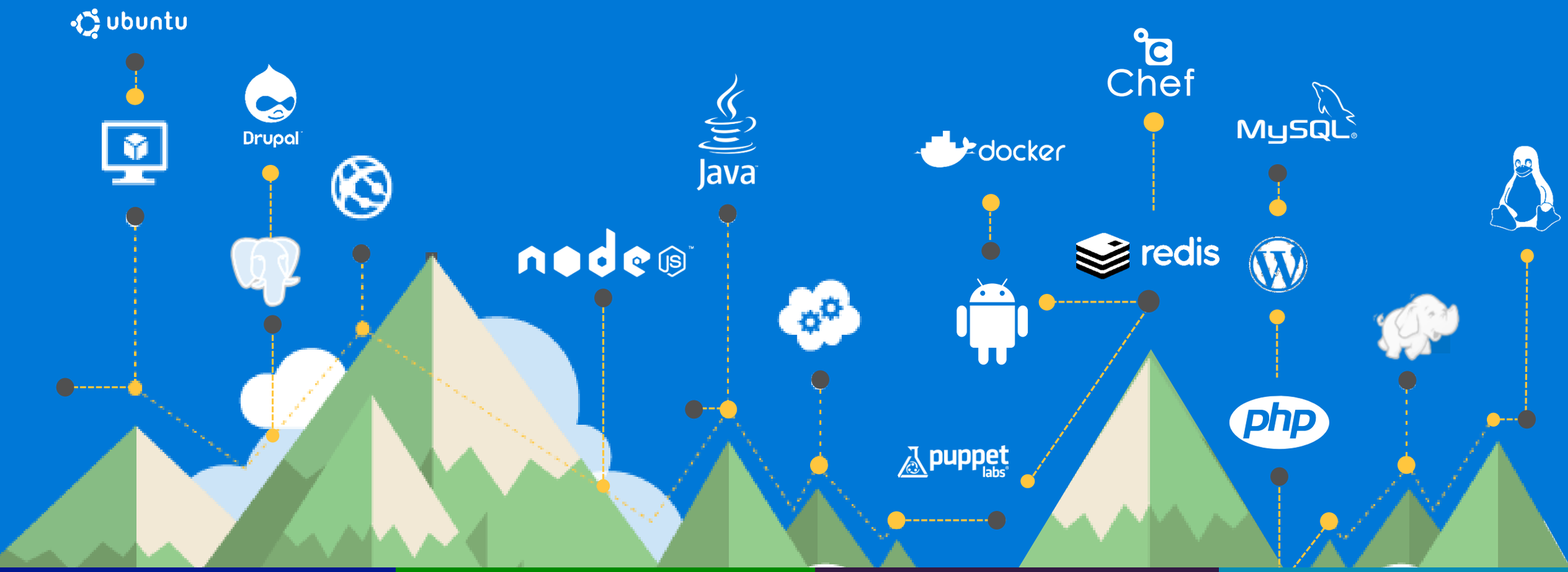
Fun Stuff

Current Hometown of Houston, TX
Sing in a Tool tribute Band
Love the outdoors
Met Satya last year



Azure is an open cloud

Any language and any data source in any operating system for any device



Add value to your Linux investments

Embrace open source DevOps

Bring the tools you use and love

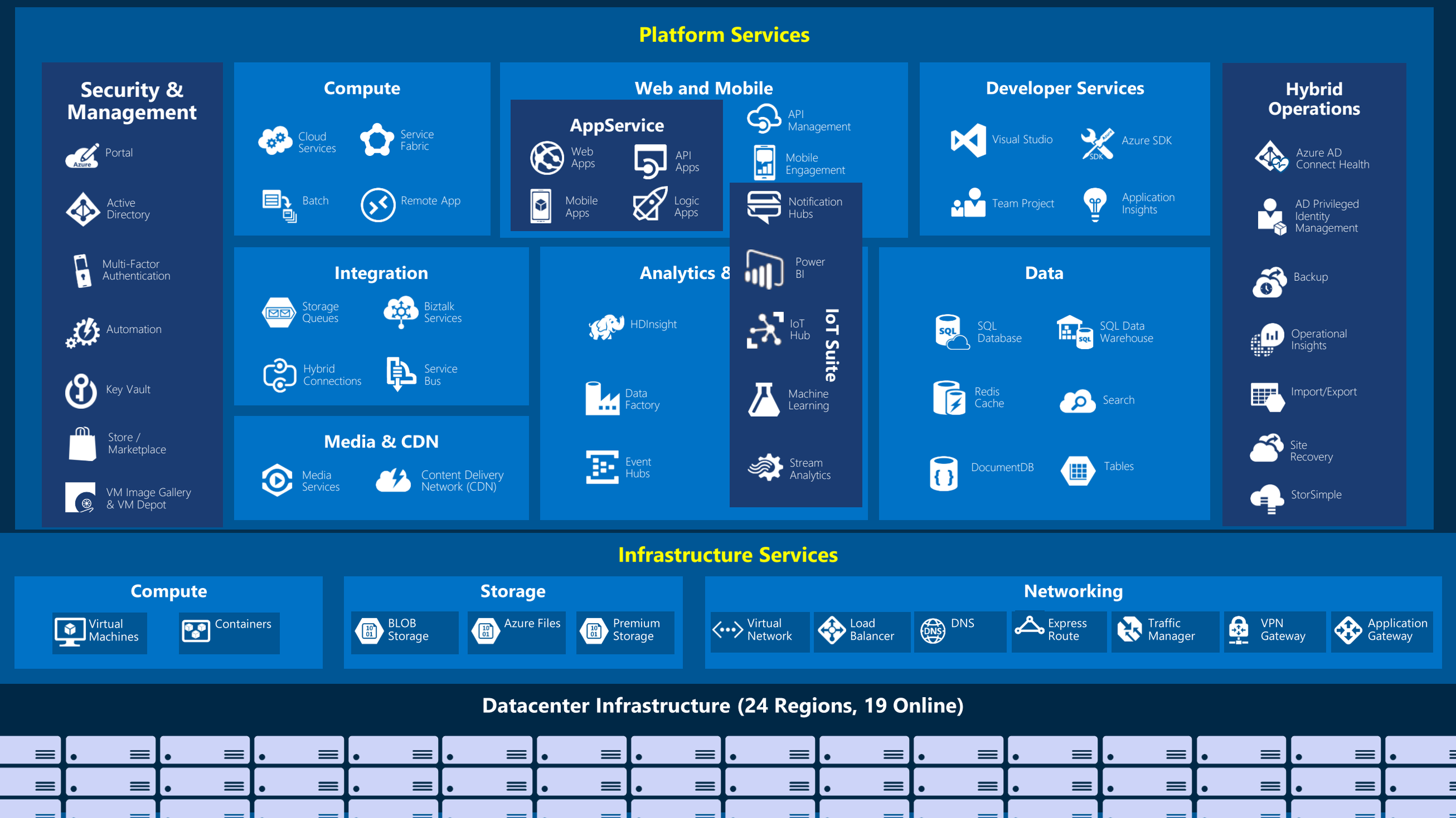
Build hyperscale at hyperspeed

Big

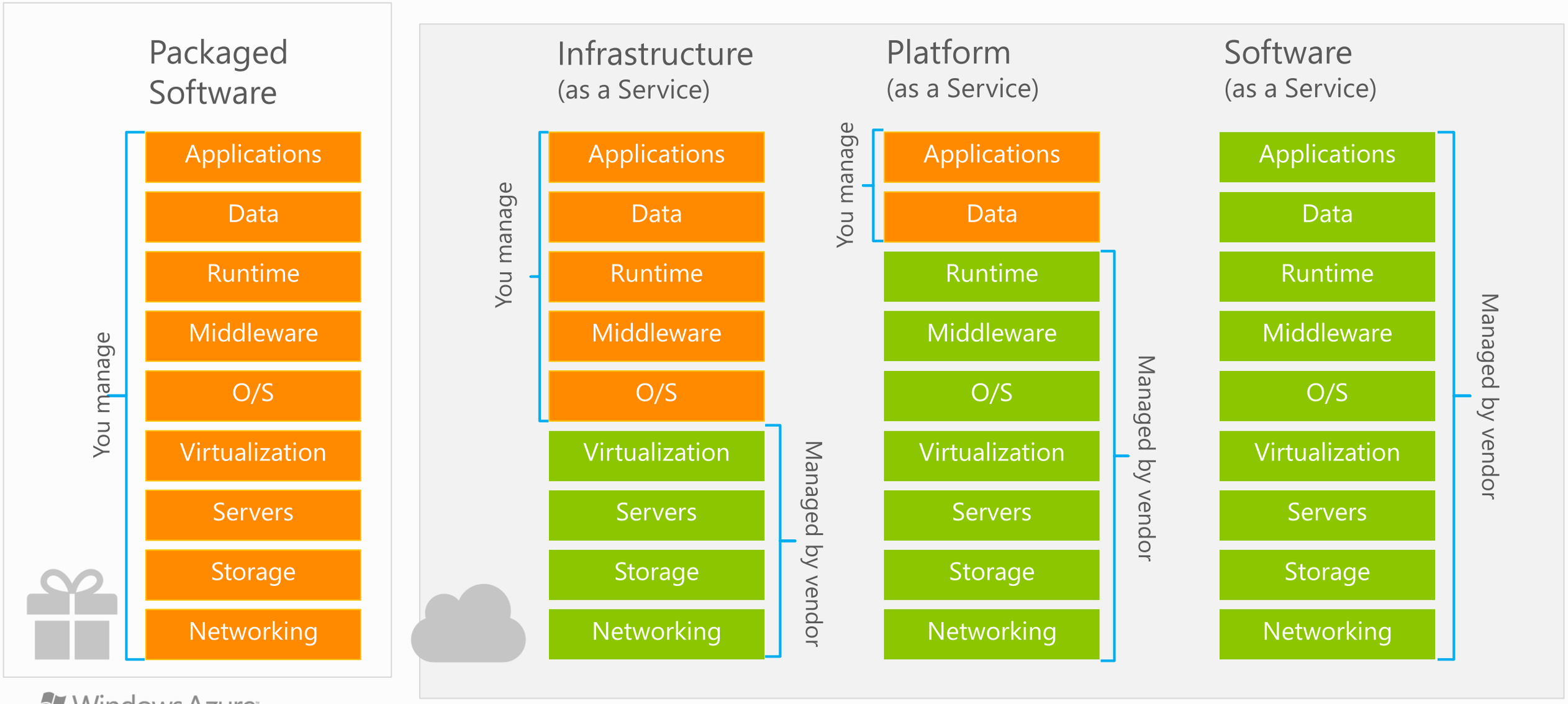
ADJECTIVE
1. of considerable size, extent, or intensity:

“Space is big. You just won't believe how vastly, hugely, mind-bogglingly big it is. I mean, you may think it's a long way down the road to the chemist's, but that's just peanuts to space.”

— Douglas Adams,
The Hitchhiker's Guide to the Galaxy

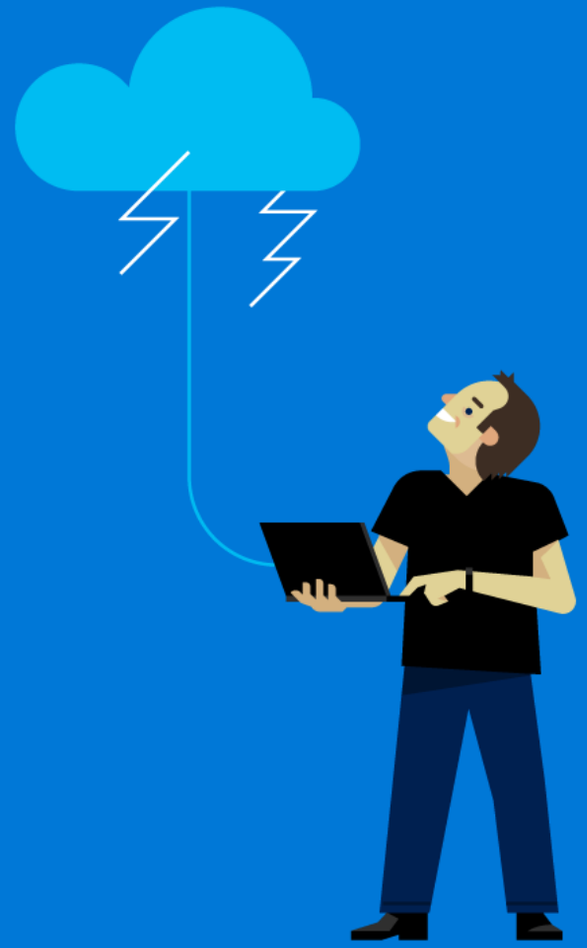

Platform Services
Security & Management
Portal
Active Directory
Multi-Factor Authentication
Automation
Key Vault
Store / Marketplace
VM Image Gallery & VM Depot
Compute
Cloud Services
Service Fabric
Batch
Remote App
Web and Mobile
AppService
Web Apps
API Apps
Mobile Apps
Logic Apps
API Management
Mobile Engagement
Notification Hubs
Developer Services
Visual Studio
Azure SDK
Team Project
Application Insights
Hybrid Operations
Azure AD Connect Health
AD Privileged Identity Management
Backup
Operational Insights
Import/Export
Site Recovery
StorSimple
Integration
Storage Queues
Biztalk Services
Hybrid Connections
Service Bus
Media & CDN
Media Services
Content Delivery Network (CDN)
Analytics &
HDInsight
Data Factory
Event Hubs
Power BI
IoT Hub
Machine Learning
Stream Analytics
IoT Suite
Data
SQL Database
SQL Data Warehouse
Redis Cache
Search
DocumentDB
Tables
Infrastructure Services
Compute
Virtual Machines
Containers
Storage
BLOB Storage
Azure Files
Premium Storage
Networking
Virtual Network
Load Balancer
DNS
Express Route
Traffic Manager
VPN Gateway
Application Gateway
Datacenter Infrastructure (24 Regions, 19 Online)

Cloud Computing



Windows Azure

Virtual Machines in Microsoft Azure



Microsoft

Virtual Machines

Choice of OS

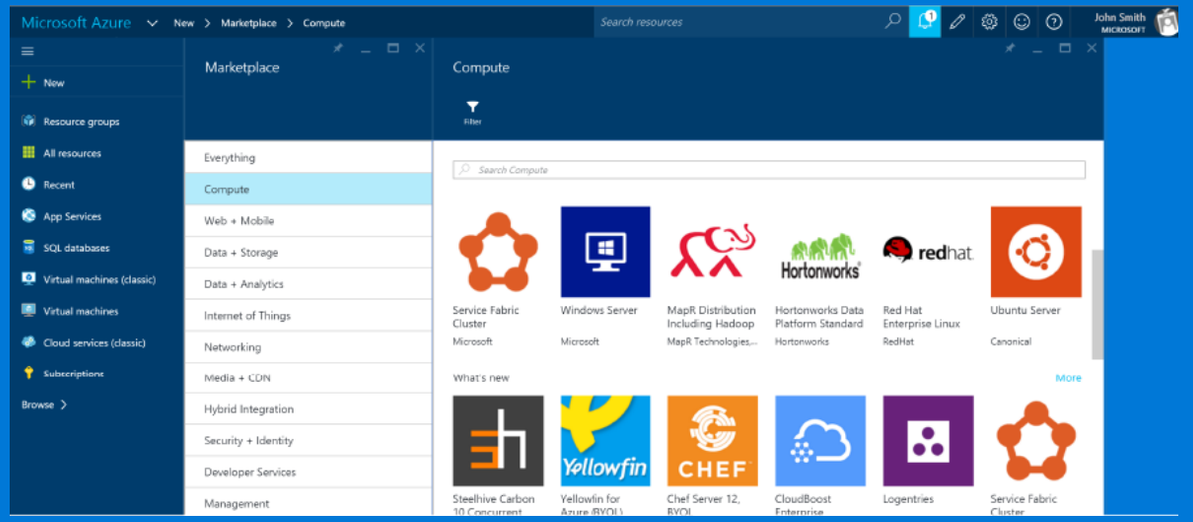
- *Support for Linux, Windows Server, SQL Server, Oracle, IBM, and SAP*

On-Demand

- *Create and deploy virtual machines in minutes*

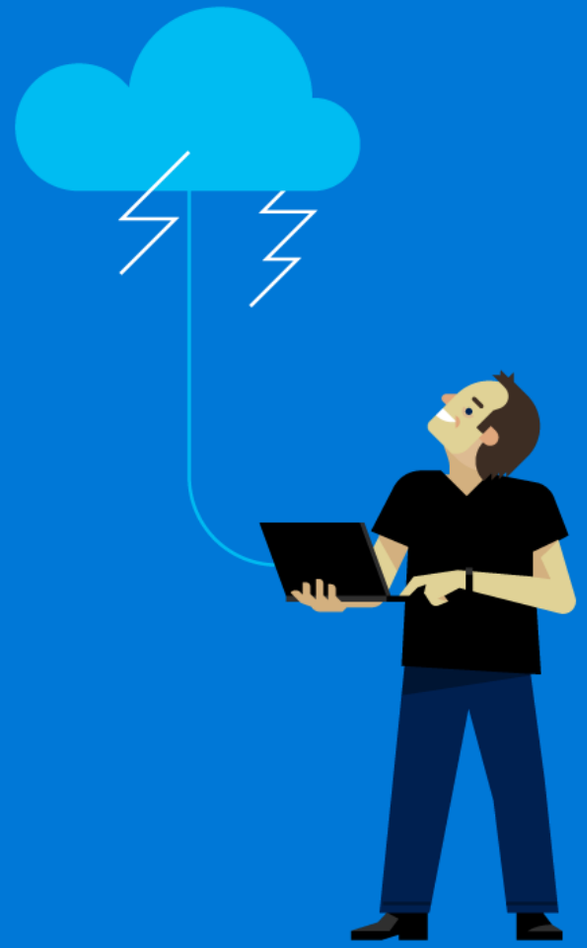
Scalable

- *Scale from one to thousands of virtual machine instances across regions*



Visit Azure.com to get started

Cross-Platform Web Development in Microsoft Azure



Microsoft

npm install -g azure-cli

VS Code & xplat-cli

Open-Source X-Platfom IDE

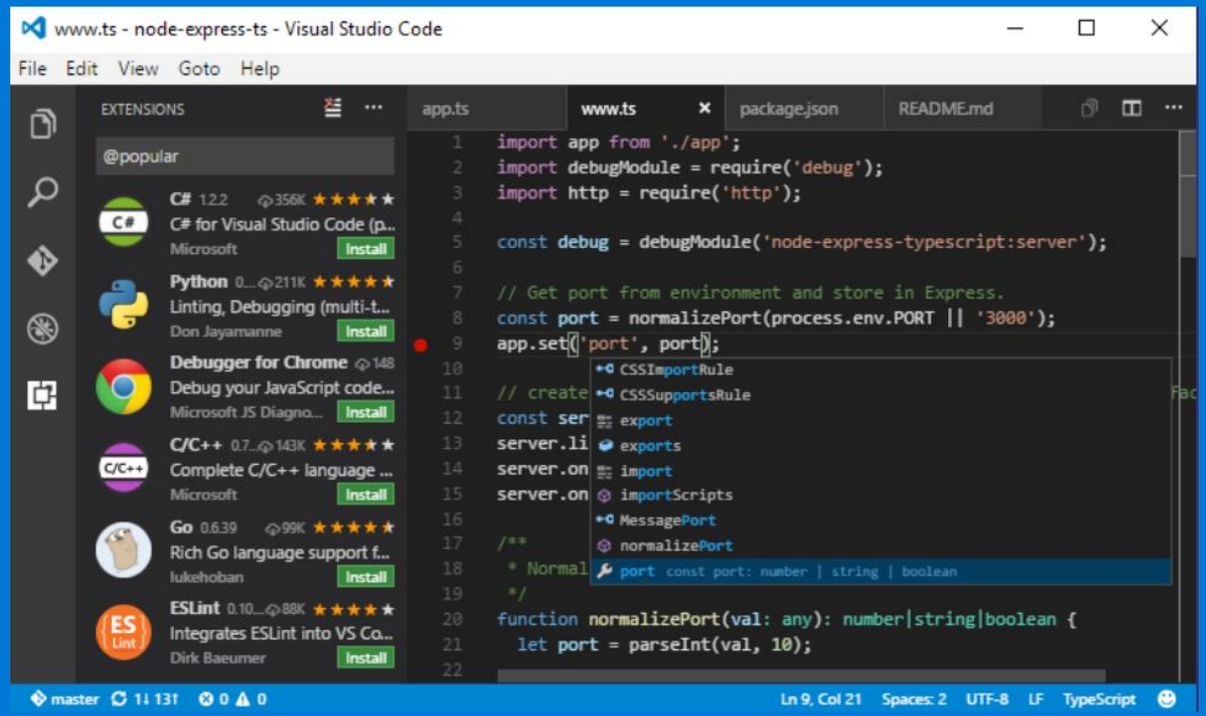
- *Code editor with support for development operations like debugging, task running and version control*

Integrated Terminal Support

- *Access installed shells directly from VS Code*

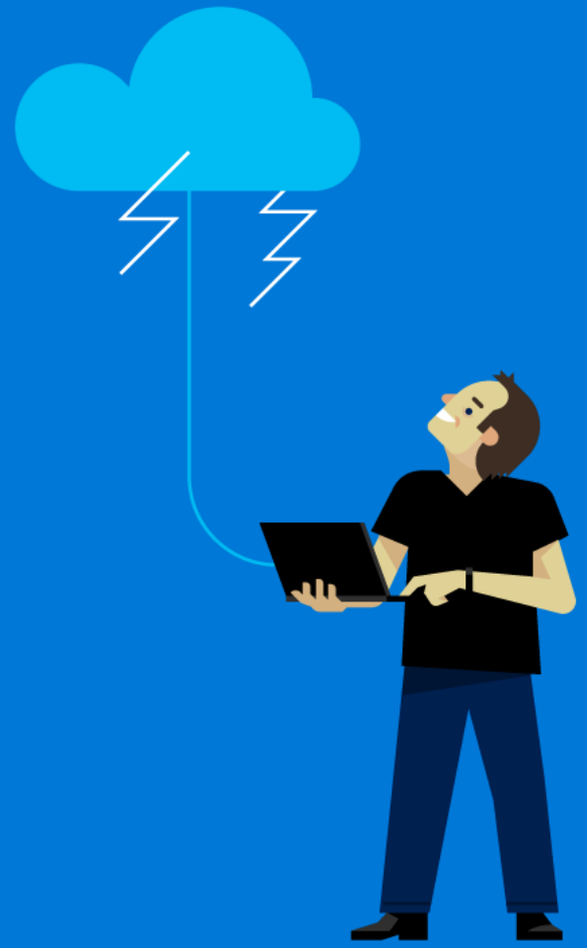
Azure-xplat-cli

- *cross-platform cli for developers and IT admins to develop, deploy and manage Azure apps*
- *npm install -g azure-cli*



Visit https://code.visualstudio.com to get started

Cross-Platform App Development in Microsoft Azure



Microsoft

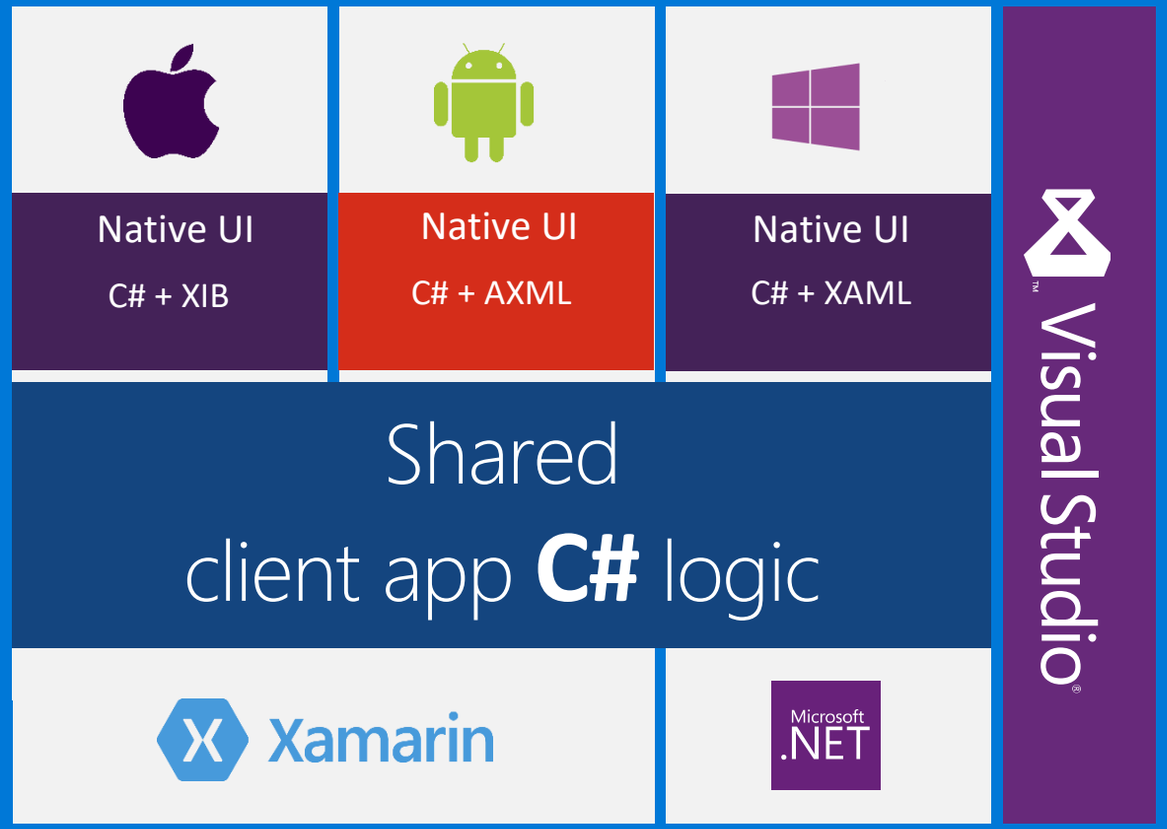
.NET and Xamarin

Share app logic across platforms

- Native apps for Windows, iOS and Android devices using .NET
- Most productive and powerful platform for creating native applications
- Maximize code reuse with Universal Projects & Portable Class Libraries

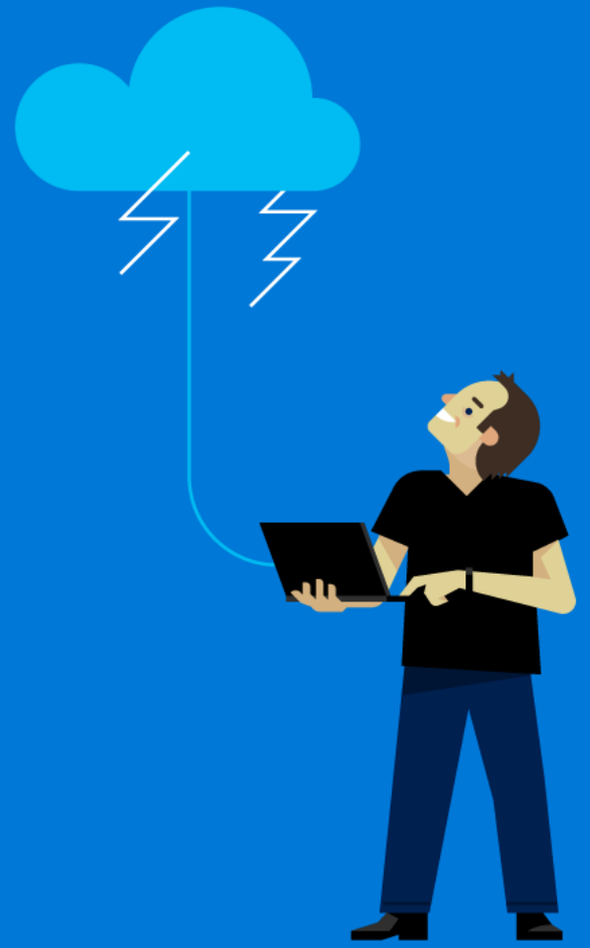
100% APIs exposed

- *Everything you can do in xCode or ADT you can do with Visual Studio*



Visit Xamarin.com to get started

Internet of Things Scenarios in Microsoft Azure



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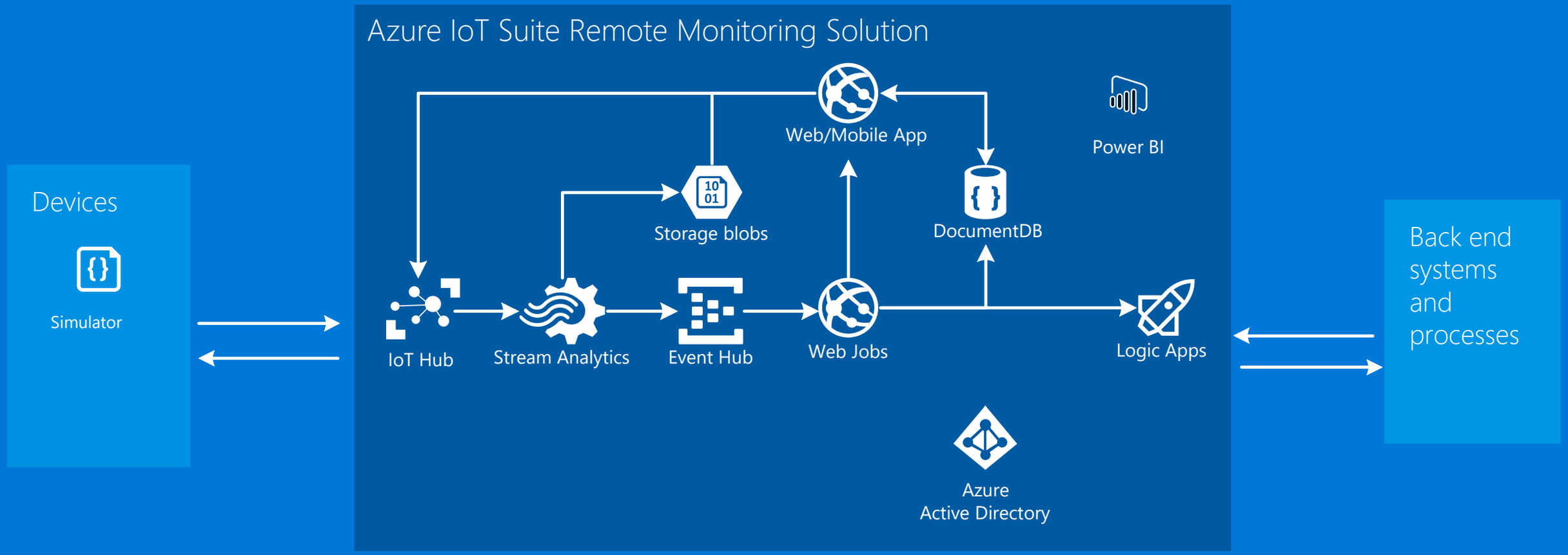
IoT Hacks

HelloHolo – Real Time Translating Hologram TechCrunch Disrupt 2015

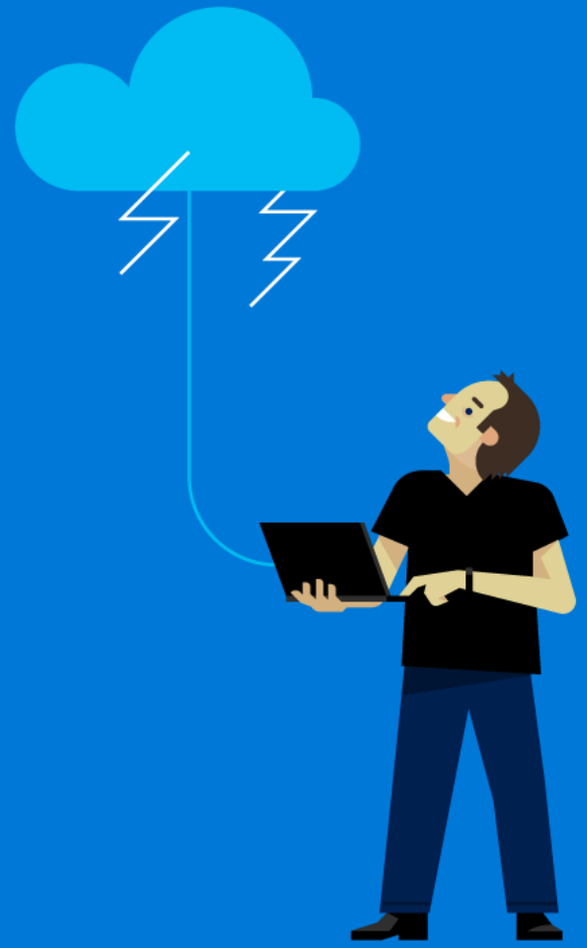
Internet of Trees (aka.ms/internetoftrees)

Microsoft Azure IoT Suite



Visit InternetofYourThings.com to get started

Cognitive Services & Bots in Microsoft Azure



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AI as a Service

Computer Vision

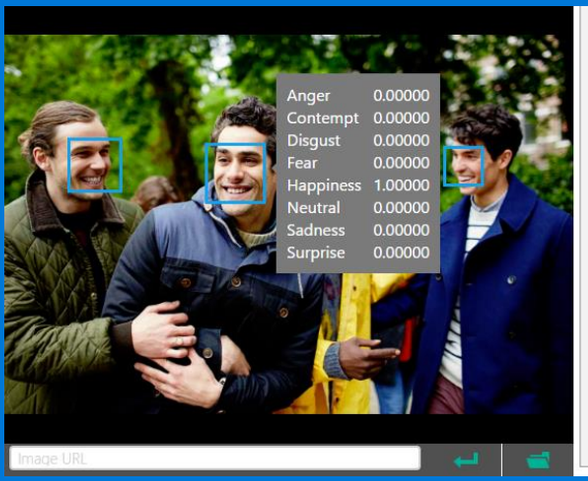
- Computer Vision, Emotion, Face, Video

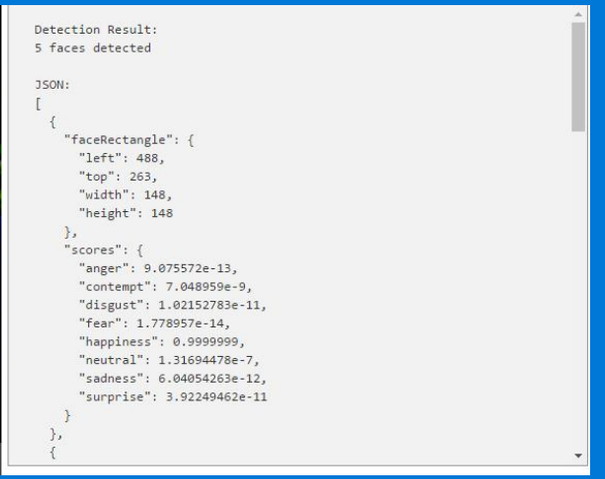
Speech

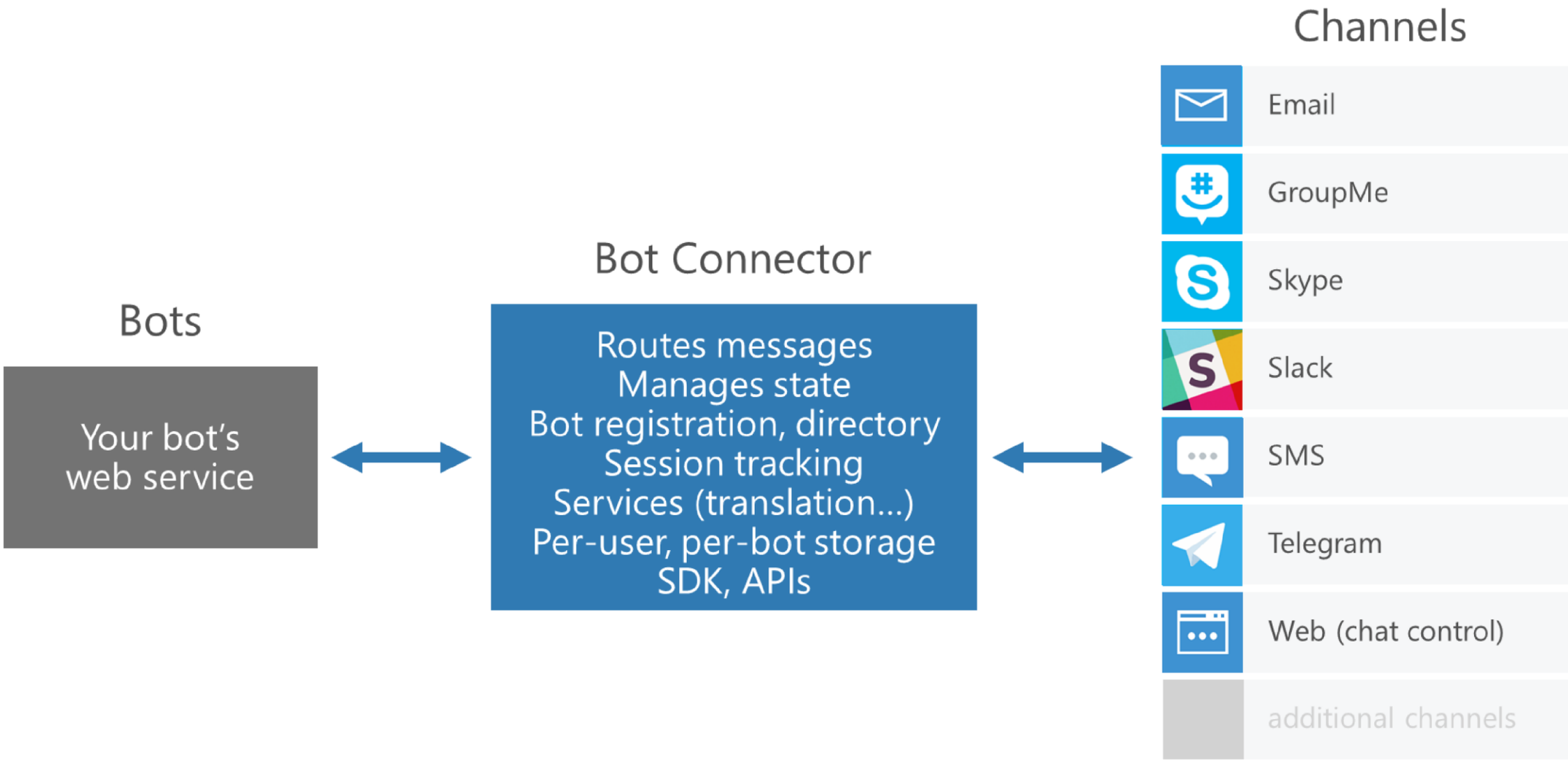
- *Speech to Text, Speech Recognition, Speaker Identification*

Language

- *Spell Check, Language Understanding*






Bots
Your bot's web service
Bot Connector
Routes messages
Manages state
Bot registration, directory
Session tracking
Services (translation…)
Per-user, per-bot storage
SDK, APIs
Channels
Email
GroupMe
Skype
Slack
SMS
Telegram
Web (chat control)
additional channels

Visit microsoft.com/cognitive-services to get started

Houston .net User Group

H-SPUG
Houston SharePoint User Group

HOUSTON C# USER GROUP

HAAUG
HOUSTON AREA APPLE USERS GROUP

HOUSTON platform

HOUSTON TechFest 2015

CougarCS
THE OFFICIAL COMPUTER SCIENCE CLUB @ UH

RED LABS

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