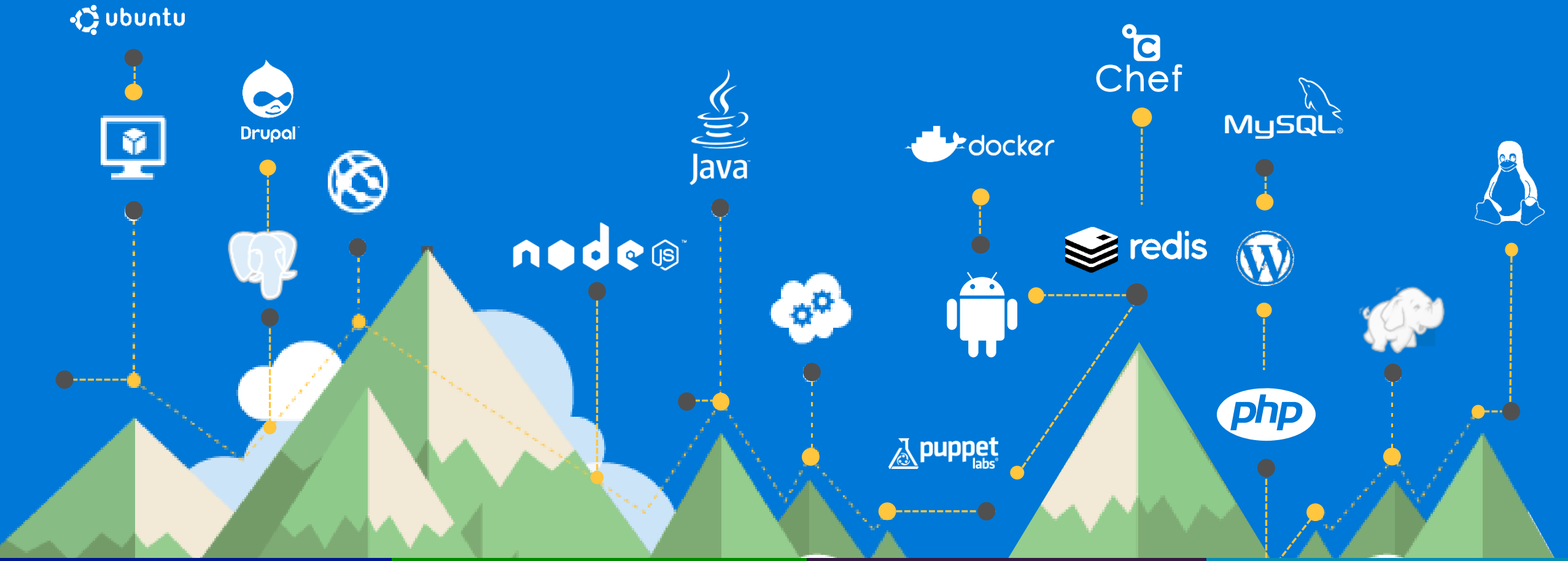




Microsoft

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



Microsoft Azure

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
- Mobile Apps
- API Apps
- Logic Apps

- API Management
- Mobile Engagement
- Notification Hubs
- Power BI
- IoT Hub
- Machine Learning
- Stream Analytics

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

Analytics & IoT Suite

- HDInsight
- Data Factory
- Event Hubs

Data

- SQL Database
- SQL Data Warehouse
- Redis Cache
- Search
- DocumentDB
- Tables

Media & CDN

- Media Services
- Content Delivery Network (CDN)

Infrastructure Services

Compute

- Virtual Machines
- Containers

Storage

- BLOB Storage
- Azure Files
- Premium Storage

Networking

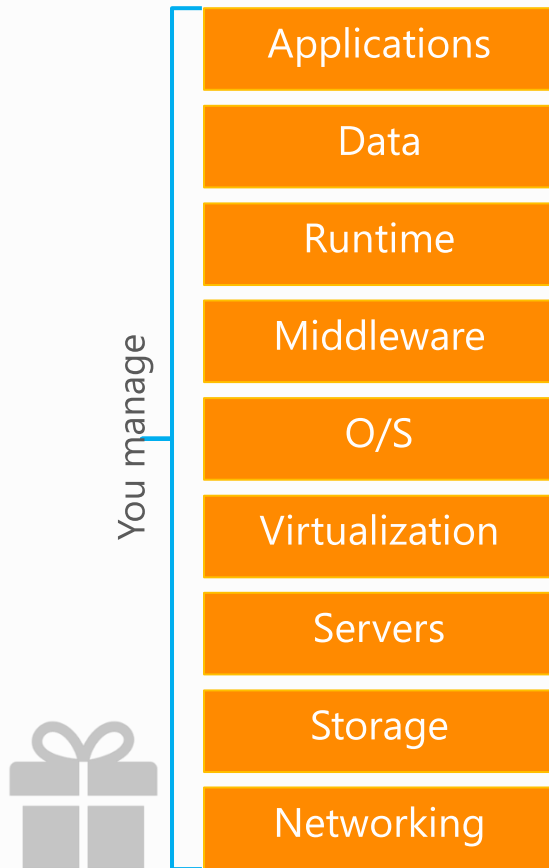
- Virtual Network
- Load Balancer
- DNS
- Express Route
- Traffic Manager
- VPN Gateway
- Application Gateway

Datacenter Infrastructure (24 Regions, 19 Online)

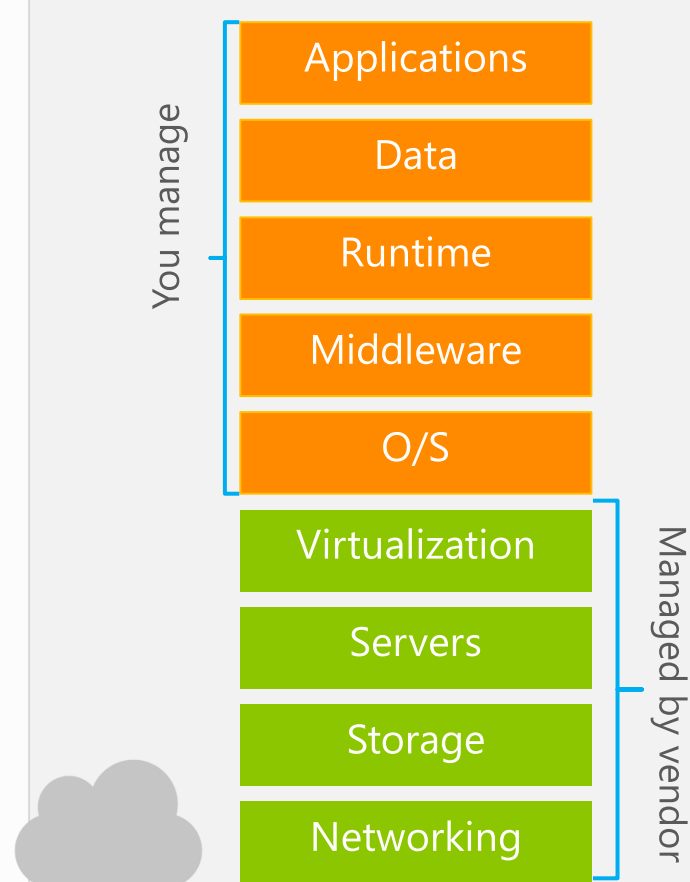


Cloud Computing

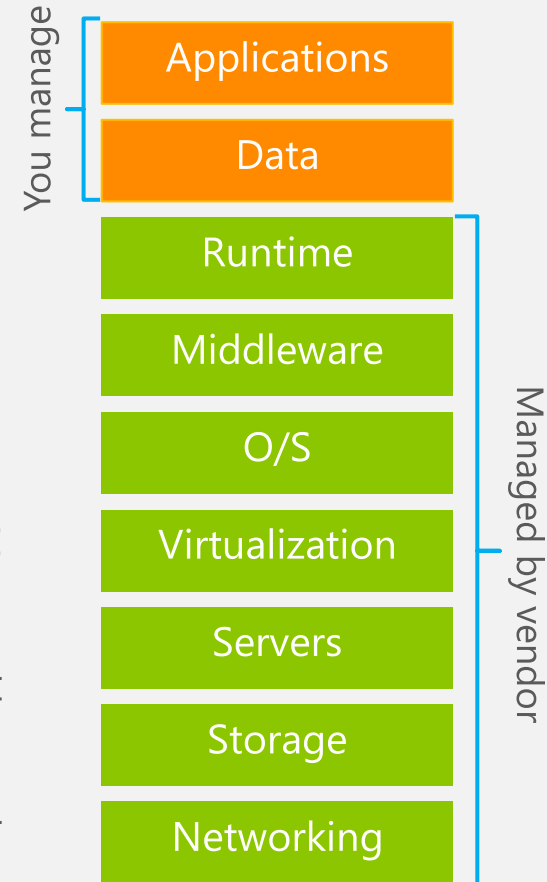
Packaged Software



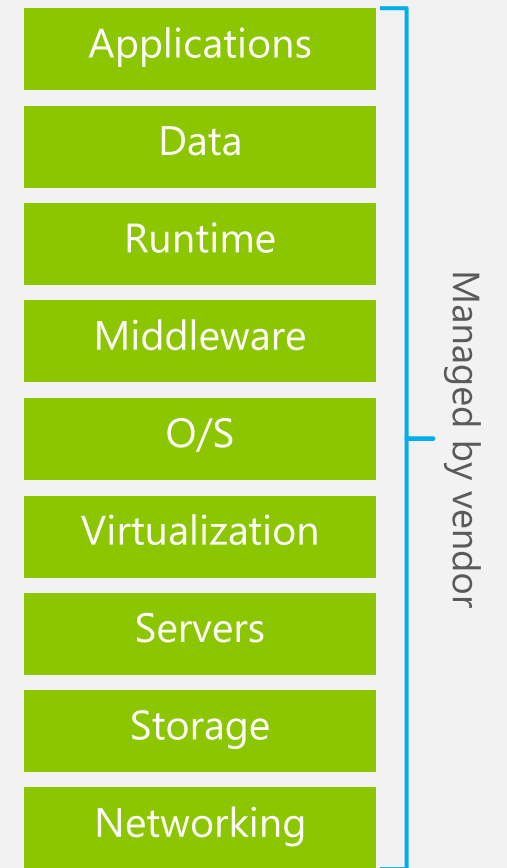
Infrastructure (as a Service)



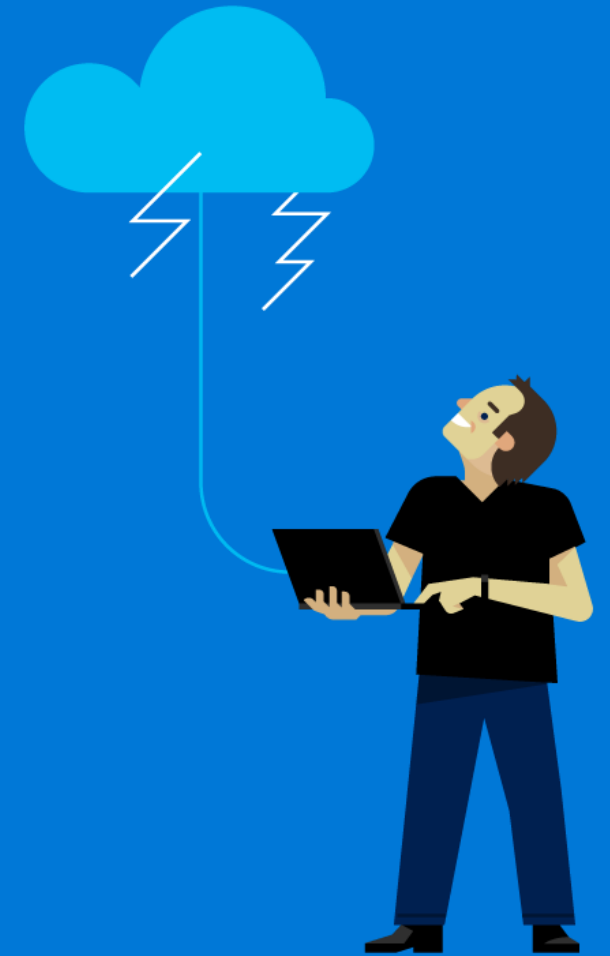
Platform (as a Service)



Software (as a Service)



Virtual Machines in Microsoft Azure



Virtual Machines

Choice of OS

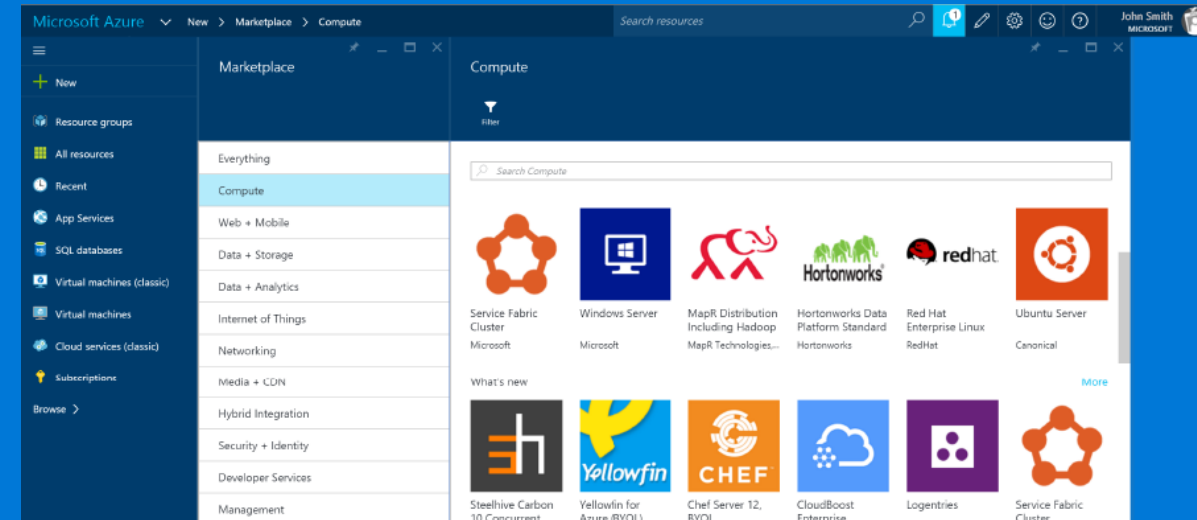
- *Support for Linux, Windows Server, SQL Server, Oracle, IBM, and SAP*

On-Demand

- *Create and deploy virtual machines in minutes*

Scalable

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



Visit  [Azure.com](https://azure.com)
to get started

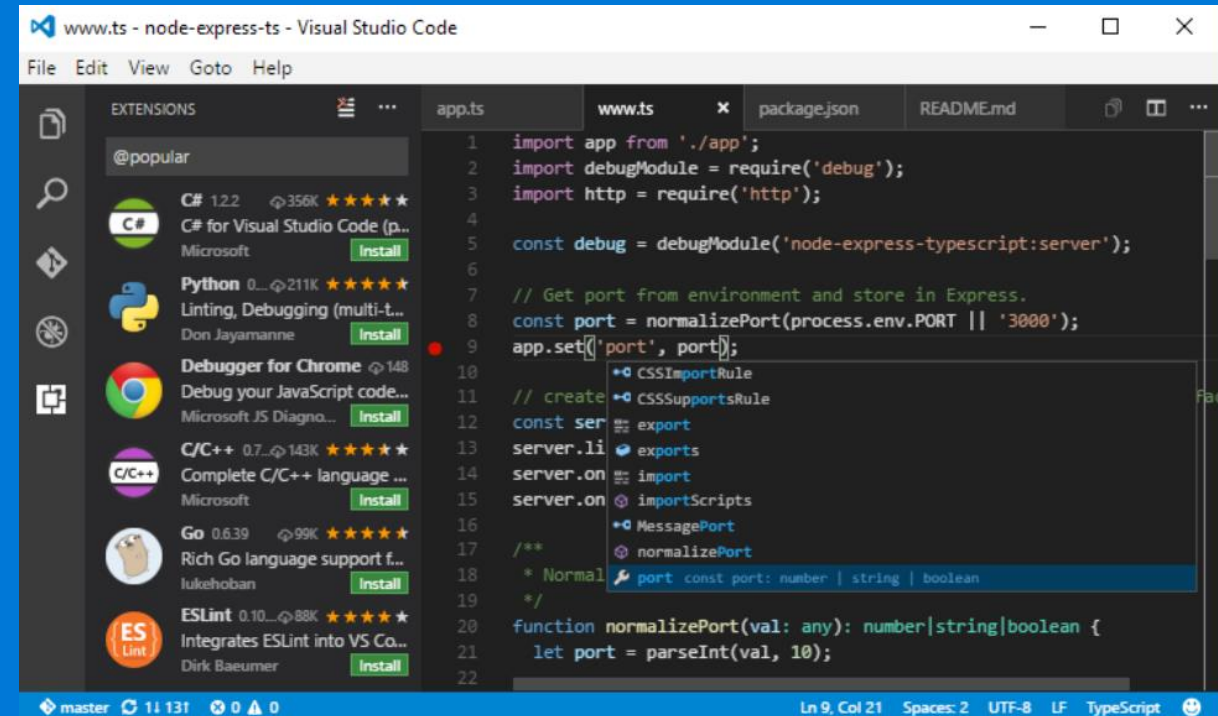
VS Code

Open-Source X-Platform IDE

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

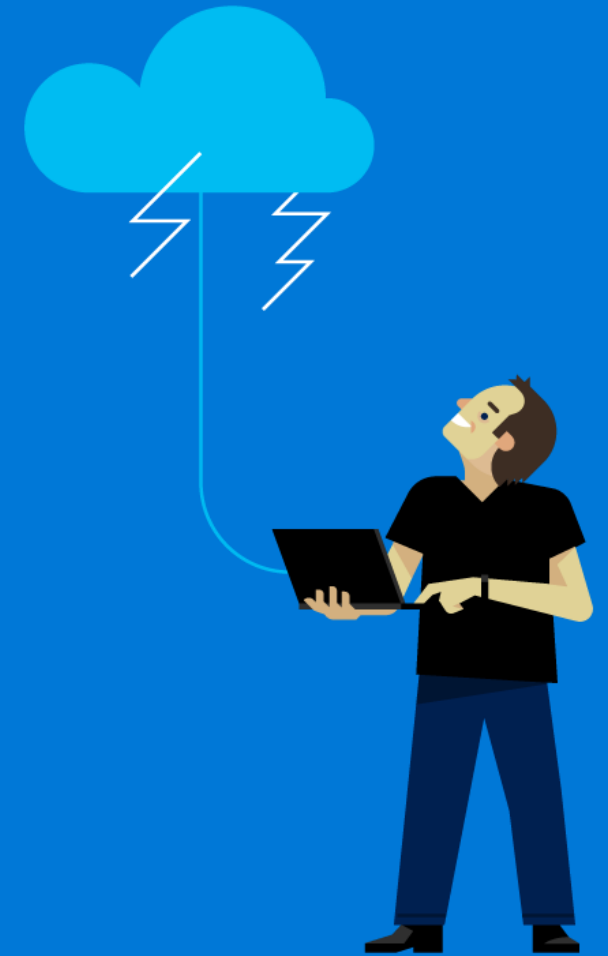
Integrated Terminal Support

- *Access installed shells directly from VS Code*



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

Internet of Things Scenarios in Microsoft Azure



IoT Projects

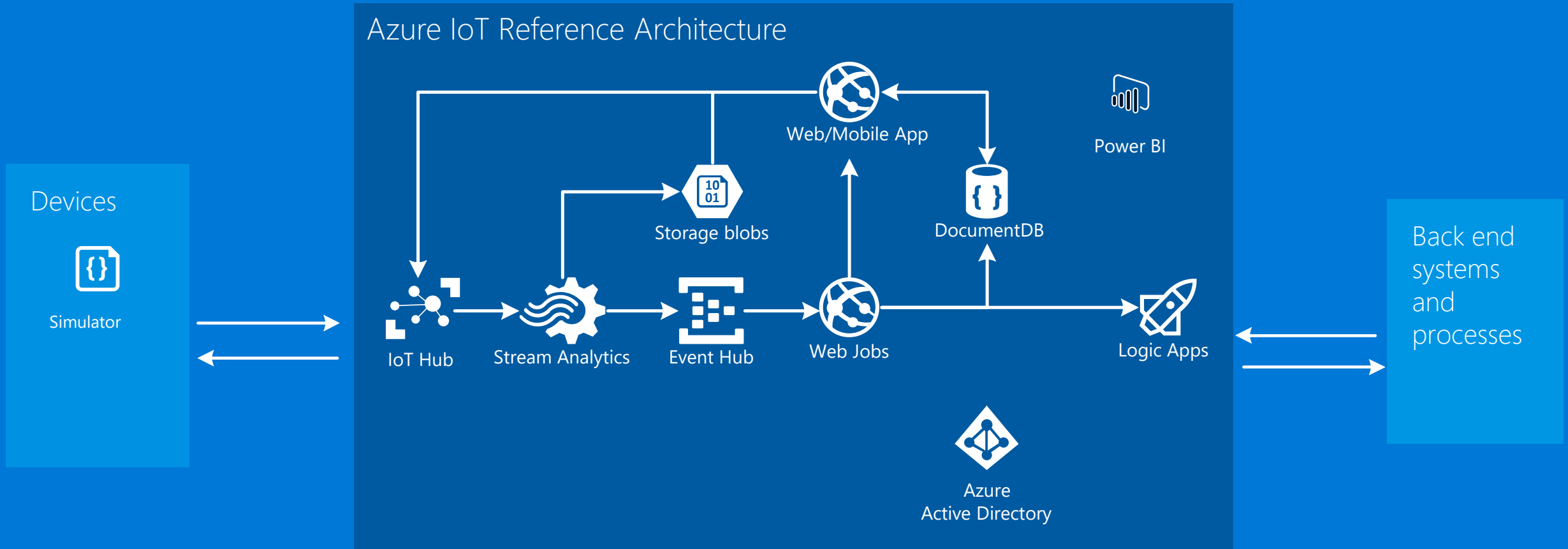


HelloHolo – Real Time Translating
Hologram TechCrunch Disrupt 2015



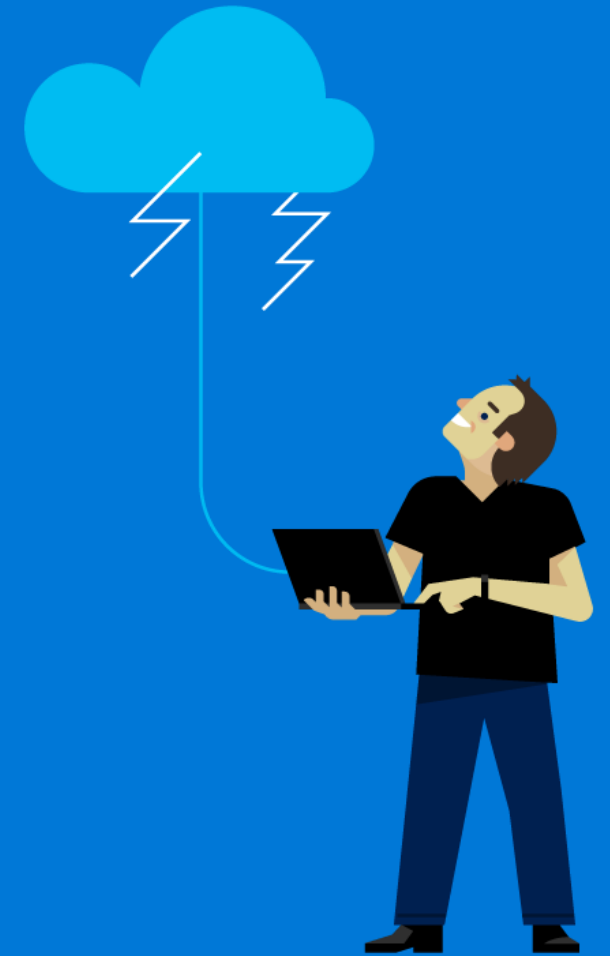
Internet of Trees
(aka.ms/internetoftrees)

Microsoft Azure IoT Services



Visit  InternetofYourThings.com
to get started

Cognitive Services in Microsoft Azure



AI as a Service

Computer Vision

- Computer Vision, Emotion, Face, Video

Speech

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

Language

- *Spell Check, Language Understanding*



The screenshot displays a web-based interface for computer vision. On the left, a photograph of three men is shown with blue bounding boxes around their faces. A table of emotion scores is overlaid on the image:

Emotion	Score
Anger	0.00000
Contempt	0.00000
Disgust	0.00000
Fear	0.00000
Happiness	1.00000
Neutral	0.00000
Sadness	0.00000
Surprise	0.00000

Below the image is an input field labeled "Image URL" and two green buttons (back and forward). On the right, a panel shows the "Detection Result" and "JSON" output:

Detection Result:
5 faces detected

```
JSON:
[
  {
    "faceRectangle": {
      "left": 488,
      "top": 263,
      "width": 148,
      "height": 148
    },
    "scores": {
      "anger": 9.075572e-13,
      "contempt": 7.048959e-9,
      "disgust": 1.02152783e-11,
      "fear": 1.778957e-14,
      "happiness": 0.9999999,
      "neutral": 1.31694478e-7,
      "sadness": 6.04054263e-12,
      "surprise": 3.92249462e-11
    }
  },
  {
    "faceRectangle": {
      "left": 488,
      "top": 263,
      "width": 148,
      "height": 148
    },
    "scores": {
      "anger": 9.075572e-13,
      "contempt": 7.048959e-9,
      "disgust": 1.02152783e-11,
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      "surprise": 3.92249462e-11
    }
  }
]
```


Visit



microsoft.com/cognitive-services
to get started

