



IoT in Action

#IoTinActionMS



Architecting the Intelligent Edge

Sylvain Ekel

EMEA IoT Technical Sales Director

Maarten Struys

Sr. IoT Solution Architect, Microsoft

IoT in Action



The evolution of **IoT** in Action



Year 1 2017

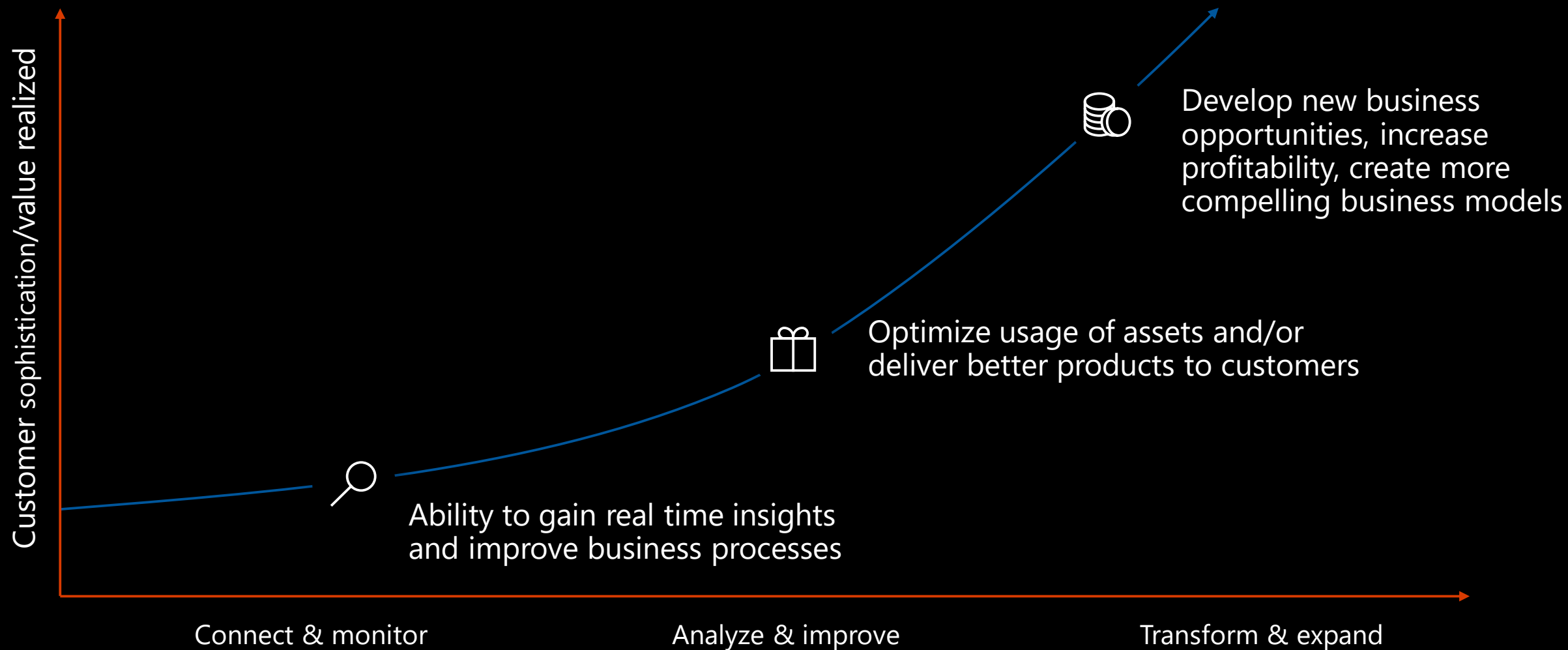
The evolution of **IoT** in Action

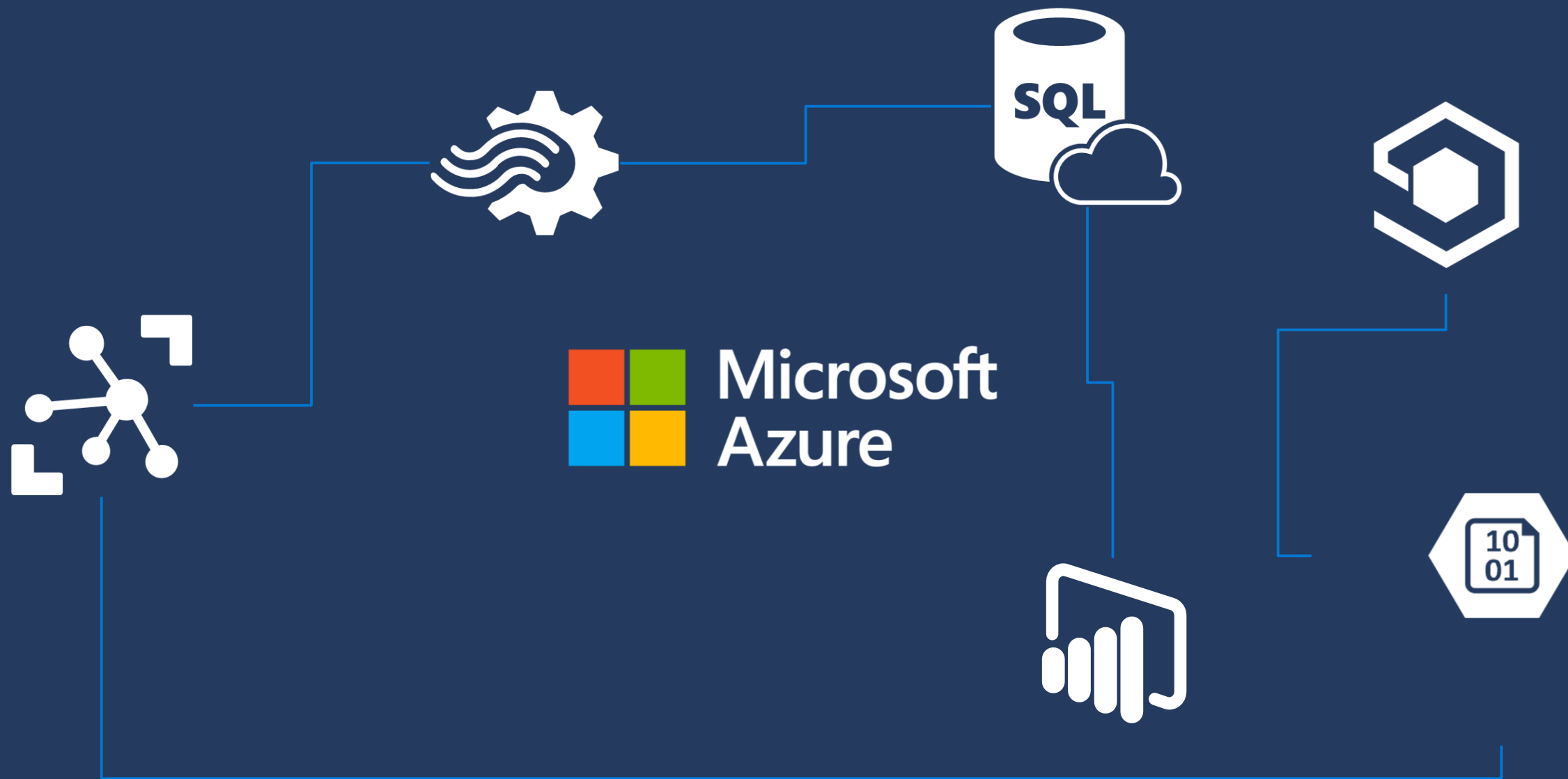


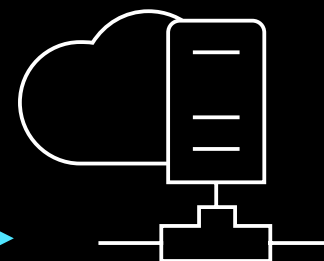
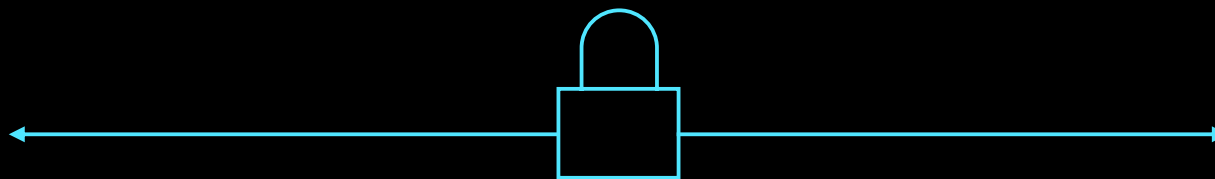
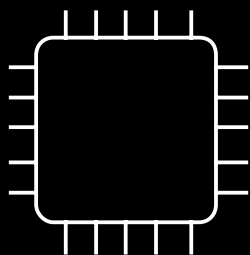
Year 2 2018

The IoT journey has multiple stages

Each stage has dramatic benefits







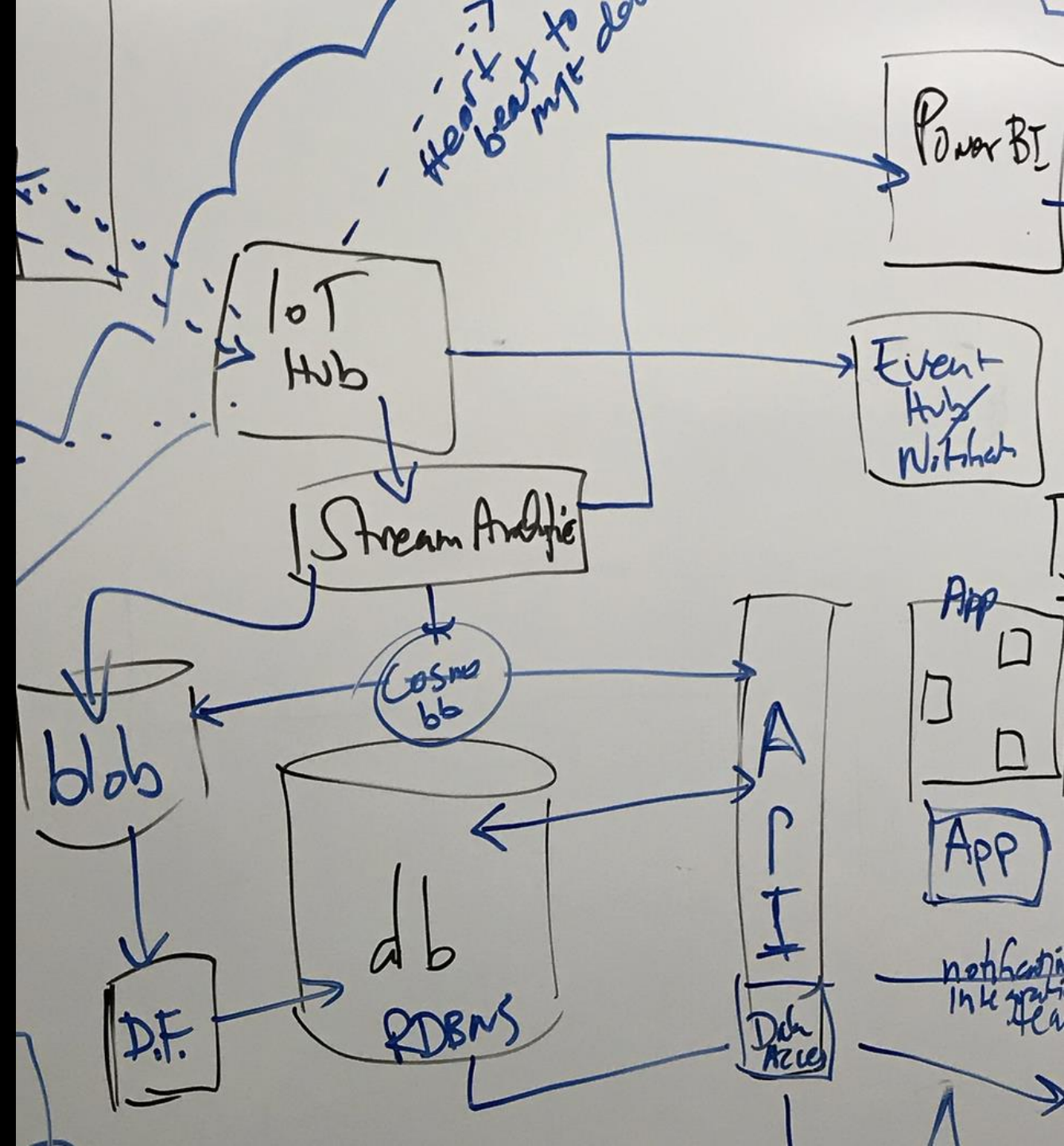


Partners make **it** possible

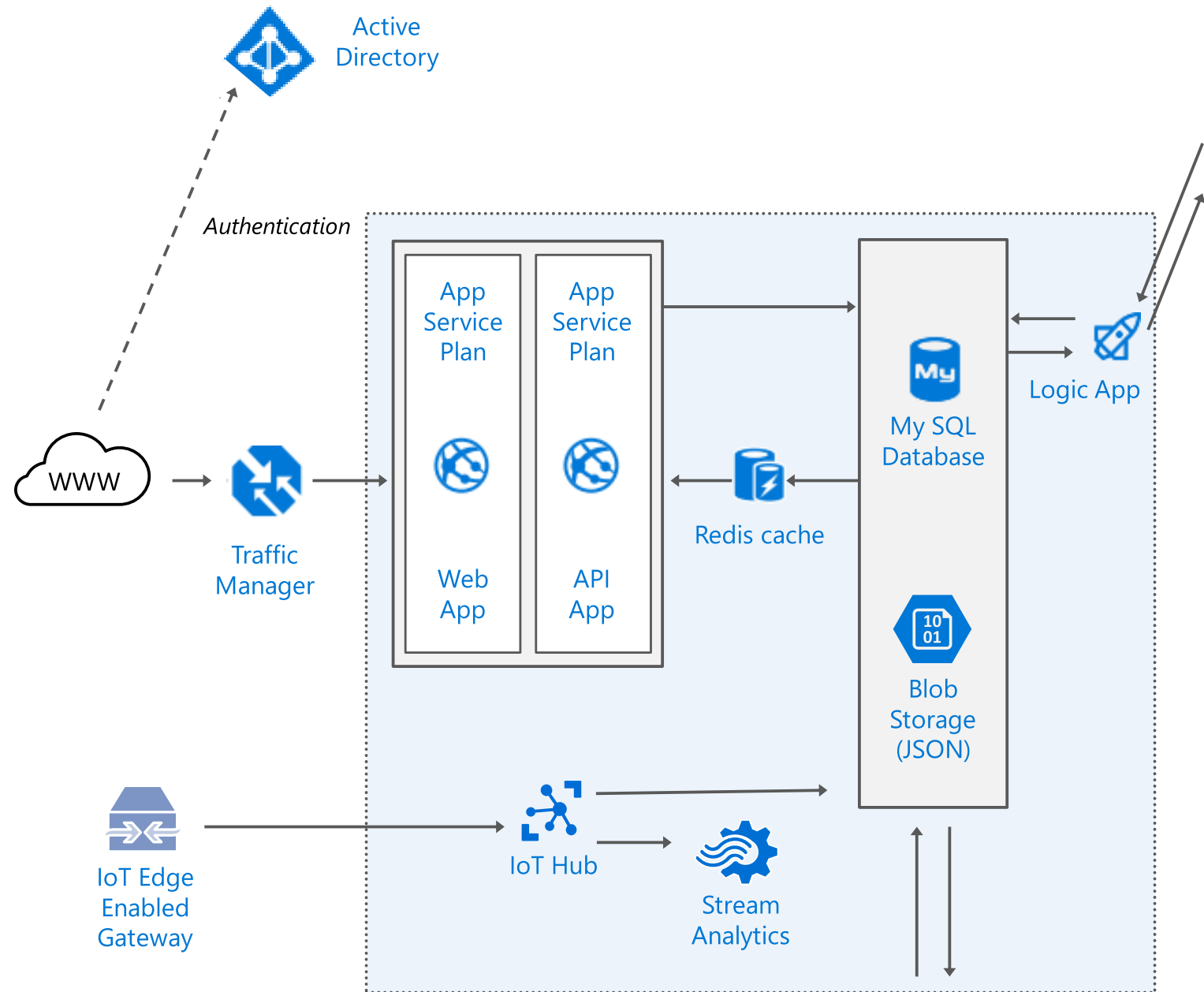




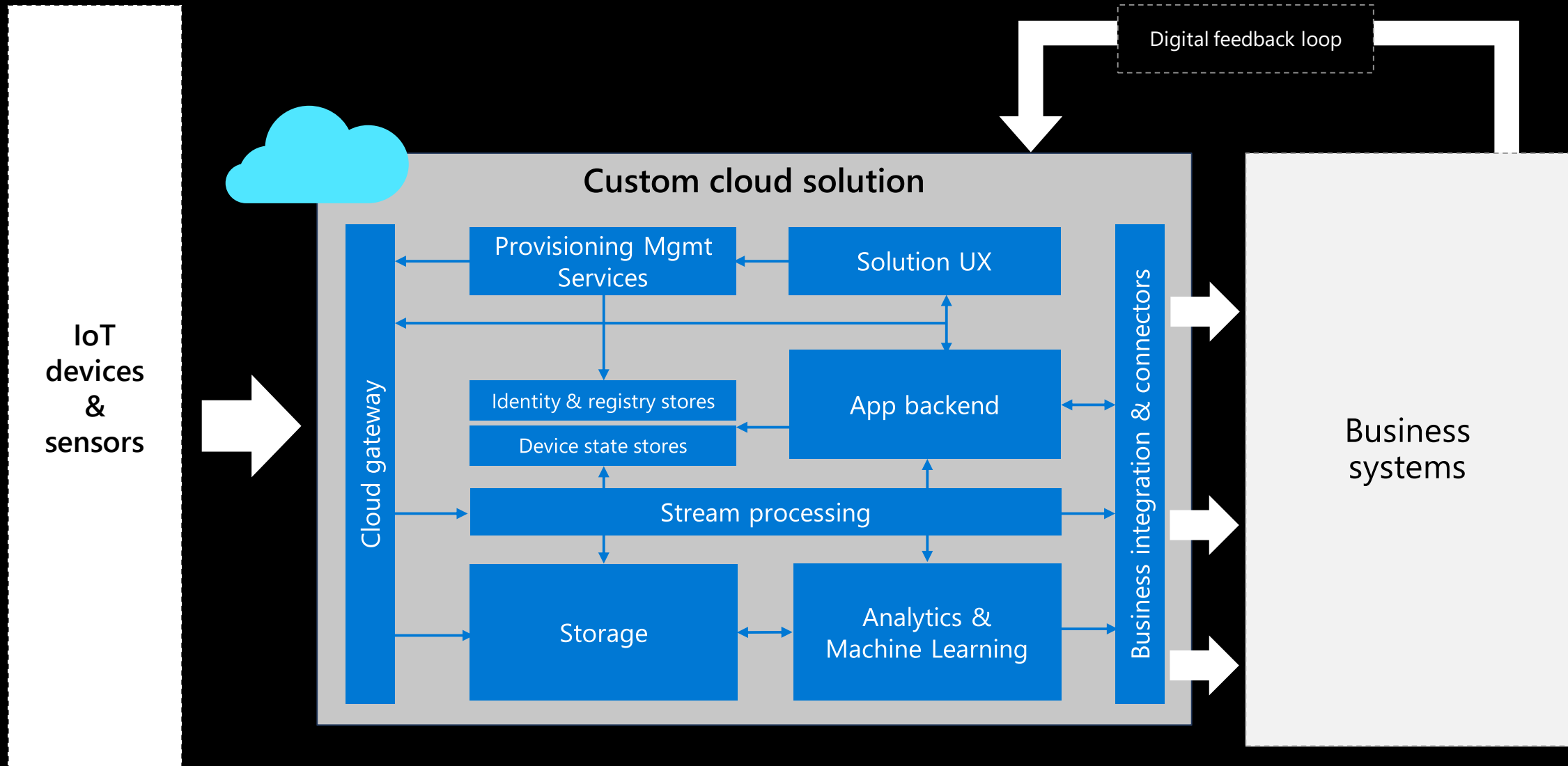
Architectural design sessions



The output



Solution architecture—DIY



Azure IoT Central

IoT app platform with security, global scale, high availability, disaster recovery built in



Device connectivity and management



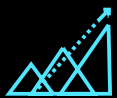
Telemetry ingestion and command and control



Monitoring rules & triggered actions



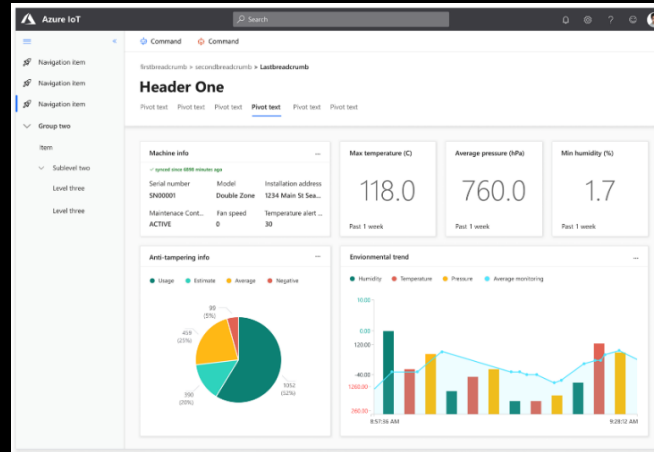
User roles and permissions



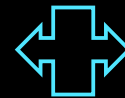
Dashboards, visualization and insights



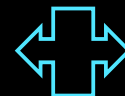
Fully hosted and managed by Microsoft



Maps, location telemetry and geofencing



Device Bridge
Ingest data from other clouds



Continuous Data Export
Bring data into downstream business applications



White labeling
Your SaaS – Your Brand



IoT Plug-and-Play
Public Preview



IoT Edge support
Incl. Module Management



Multi-tenancy & RBAC

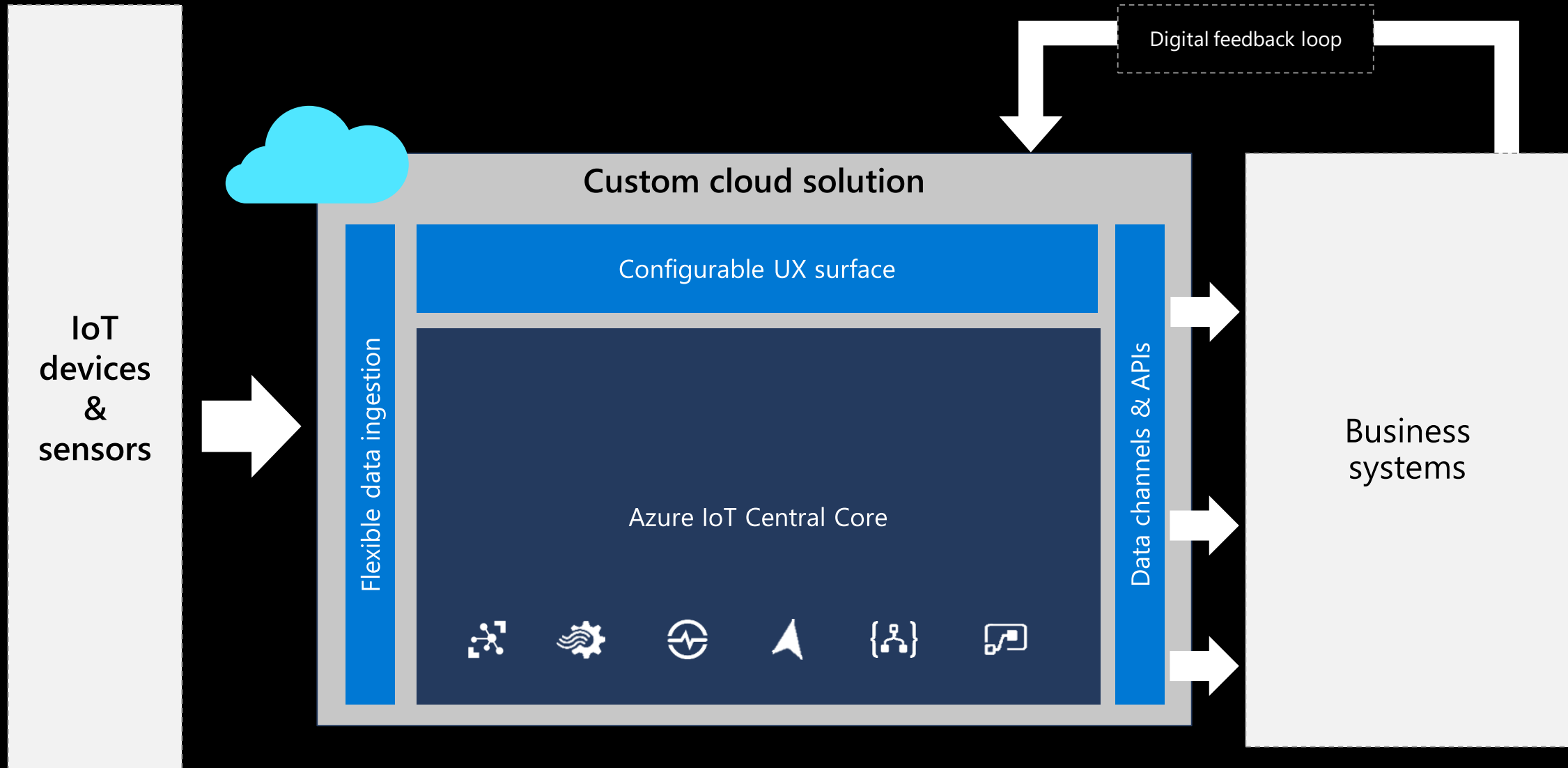


Extensibility
APIs



Solution Builder App Templates

Solution architecture—IoT Central



IoT Central App Templates



App templates
for Priority Industry Verticals

App
Templates
for
Industries



Retail

Digital distribution center
In-store analytics
Checkout, Condition monitoring
Connected logistics
Smart inventory management



Healthcare

Continuous patient monitoring



Energy

Smart meter analytics
Solar power monitoring

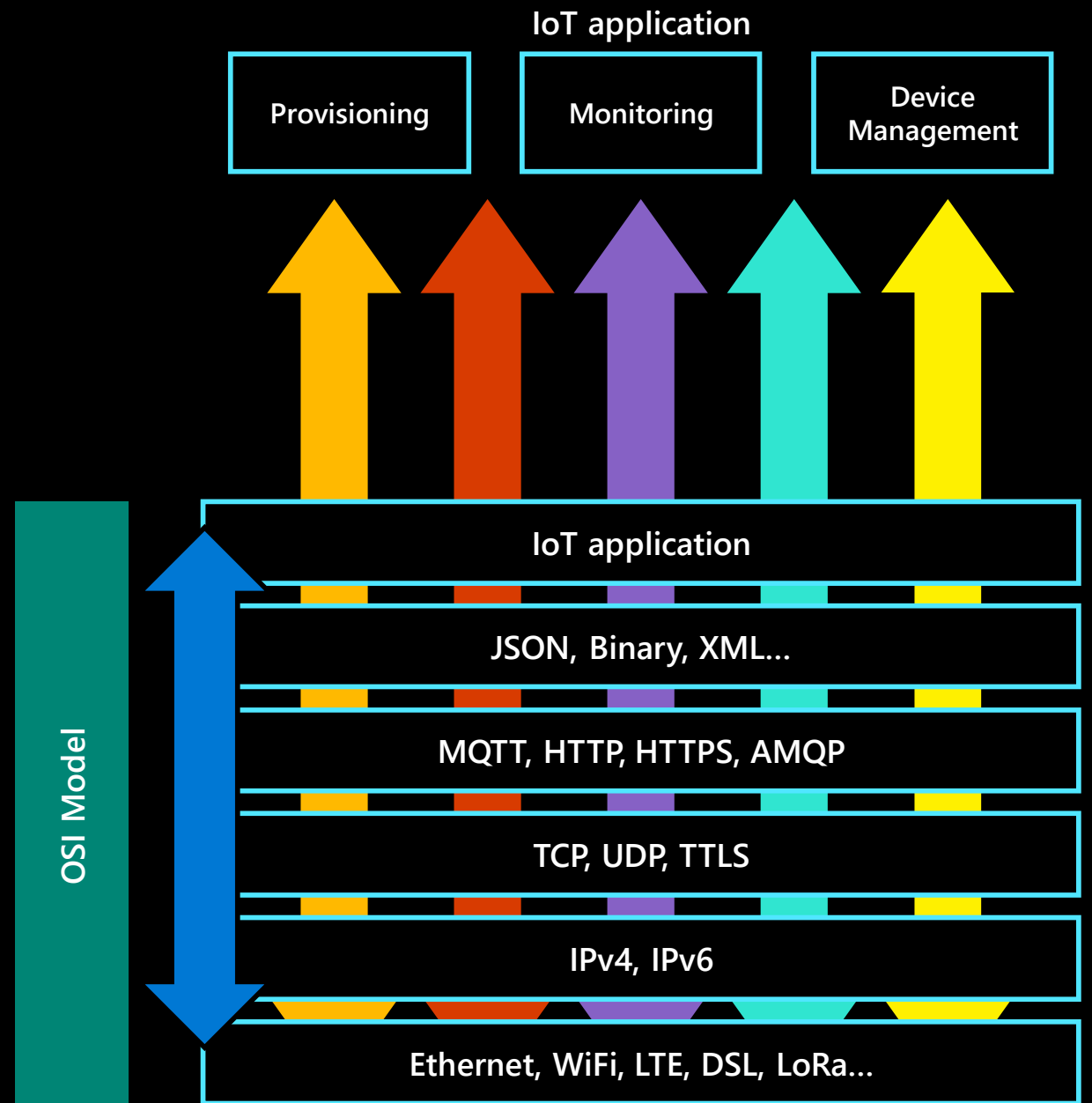


Government

Water quality monitoring
Water consumption monitoring
Connected waste management

Connecting hardware is very “hard”

Provisioning
Configuration
Device management
Deployment
Monitoring

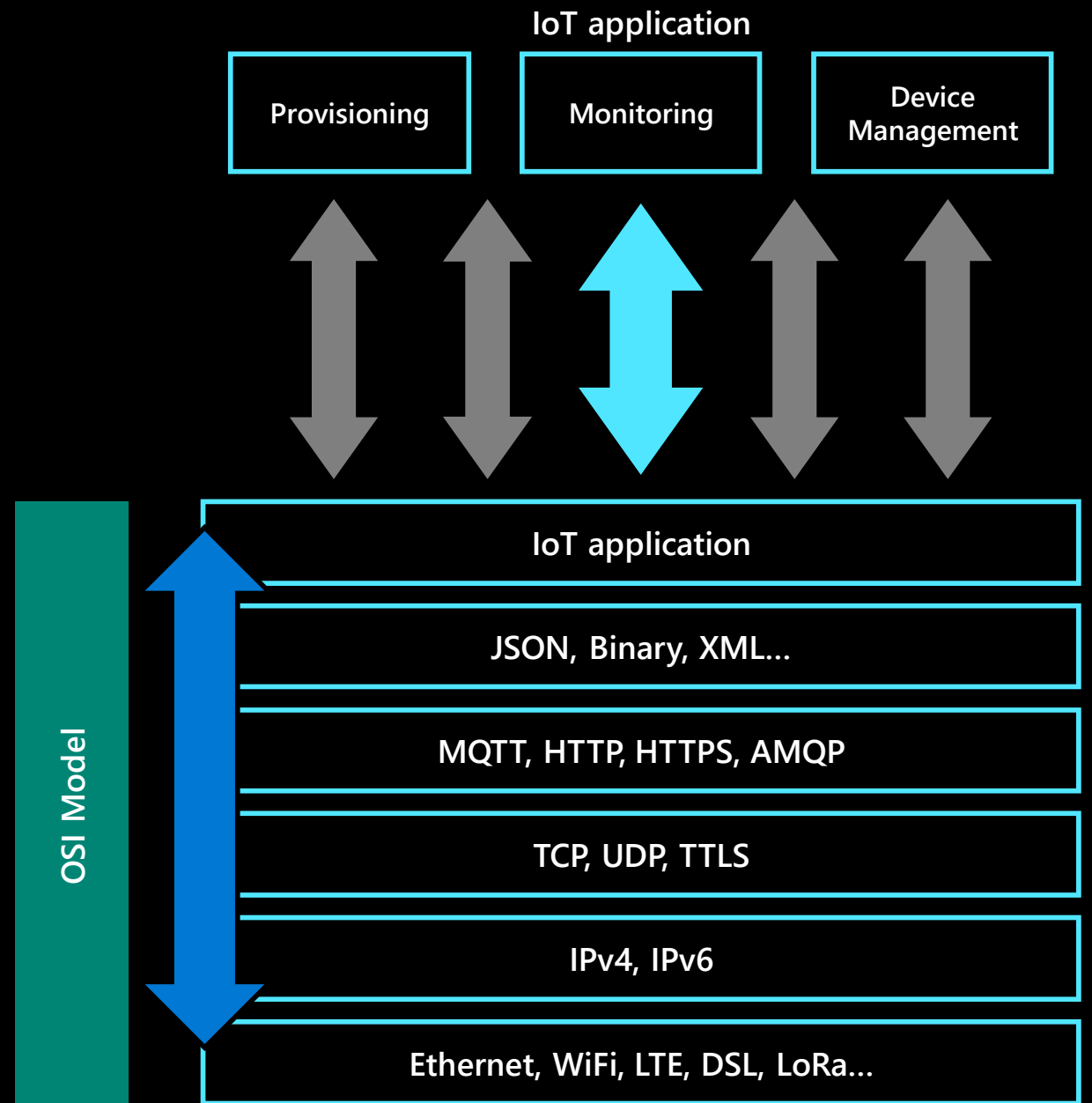


IoT Plug and Play defines common language

A platform feature to describe models and capabilities to Cloud

Based on Digital Twin definition language

Open source based on open standards (JSON-LD, RDF)



Benefits

Solution developers

Dramatically reduces the effort needed to build software on devices

Customers and partners

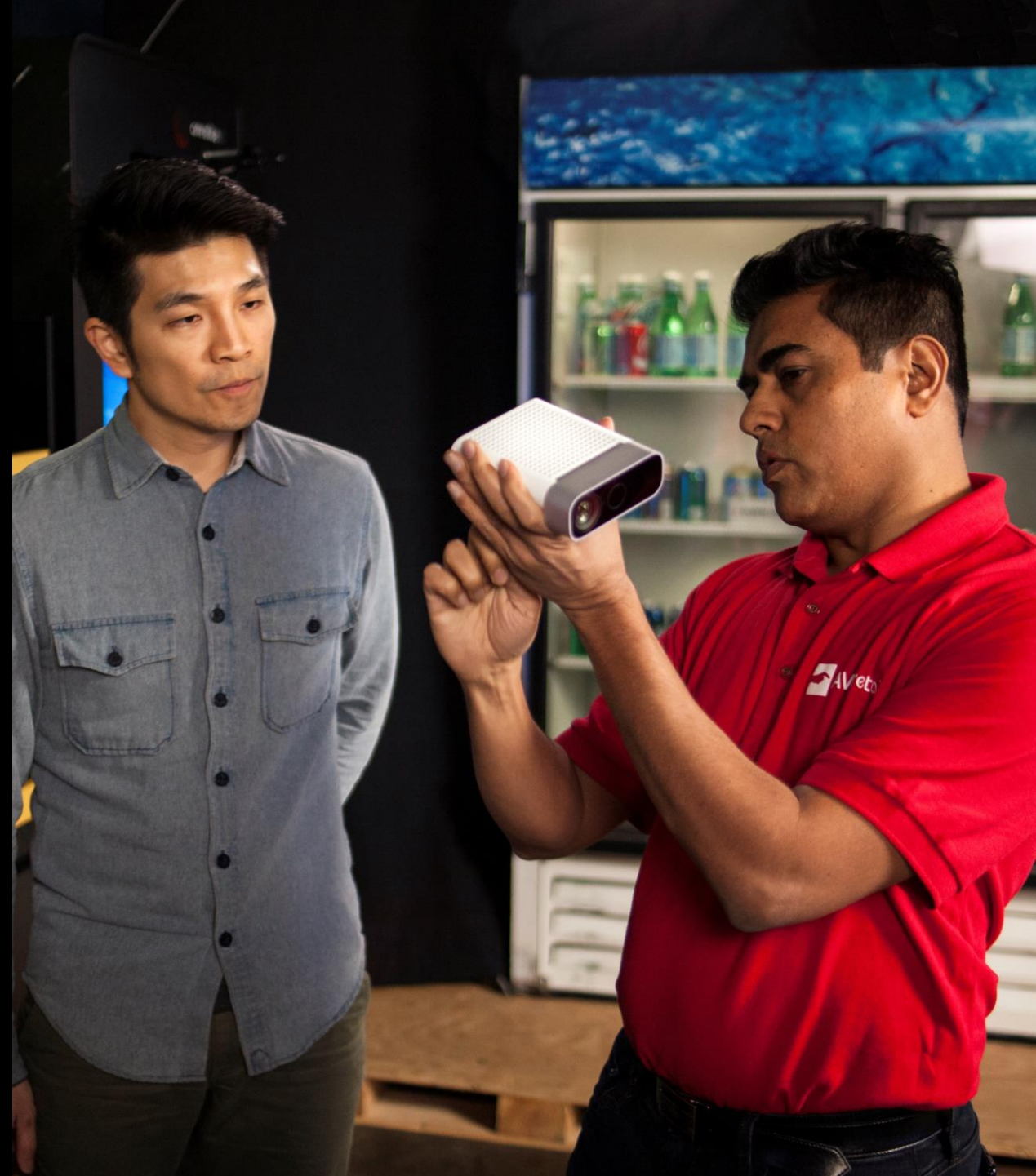
Large ecosystem of devices that just work with Azure IoT solutions, without any development required

Device builders

Certify your device for IoT Plug and Play and it can be used with thousands of Azure IoT solutions

In public preview

<http://aka.ms/IoTPlugandPlay>





One thing I also
learned over the
years...

IoT in Action



Skills
currently have



SKILLS GAP

Skills
needed



Welcome to Microsoft Learn

[Microsoft.com/learn](https://microsoft.com/learn)





Thank you!