



#GlobalAzure #GlobalAzure Milano

Azure IoT Services Episode IV: Una nuova speranza

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Azure IoT Services Episode IV:
Una nuova Speranza

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Barriers to break through

Challenges to management, integration and scale

1 Onerous to manage

2 Complex to integrate

3 Time consuming to scale



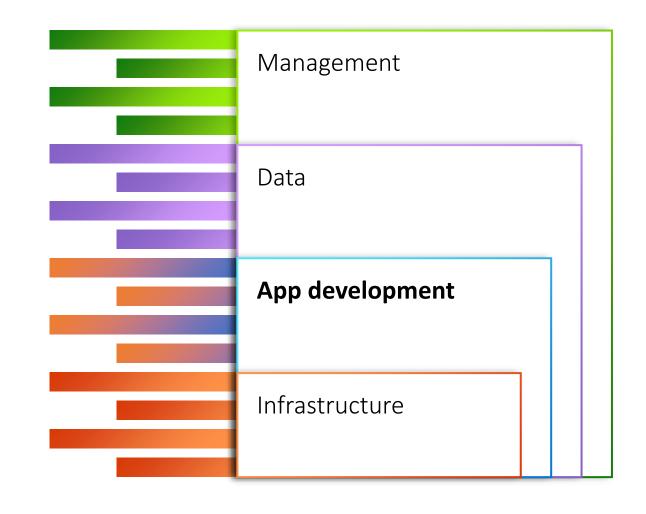
A unified cloud-to-edge approach

Key attributes that accelerate digital transformation

1 Single plane of security and governance

2 Cloud-native agility at the edge

(3) Converged experiences across IT/OT



Unify cloud-to-edge with Microsoft

Accelerate digital transformation

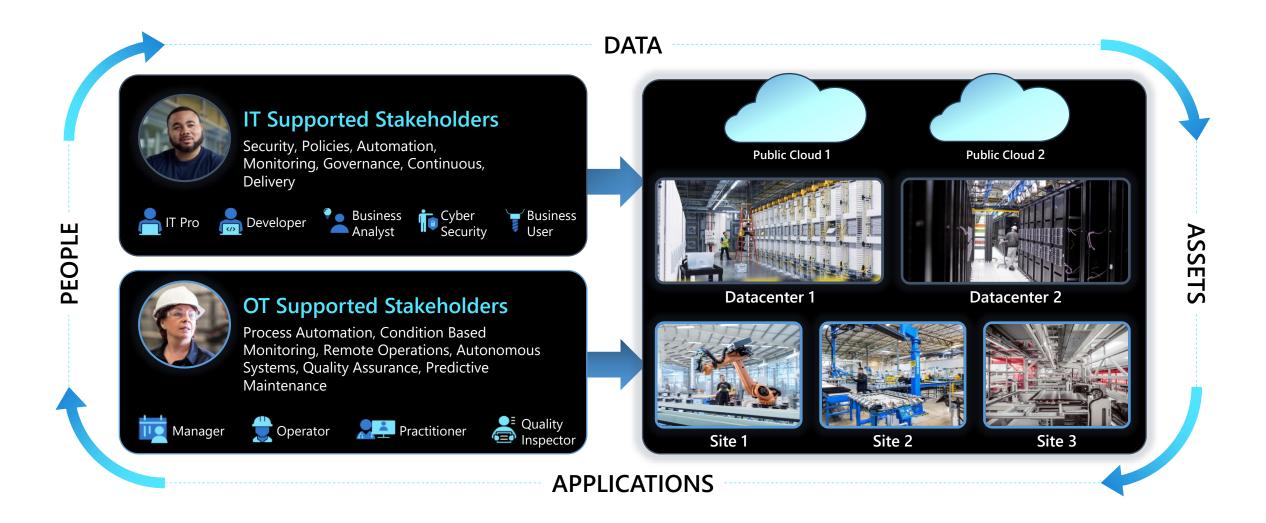
Azure Arc Single plane of security and governance **Azure IoT Operations** Microsoft Fabric Cloud-native agility at the edge **Azure Kubernetes Service** Converged experiences across IT/OT Windows 11 IoT **Azure Stack HCI**

Transforming Physical Operations (Video)

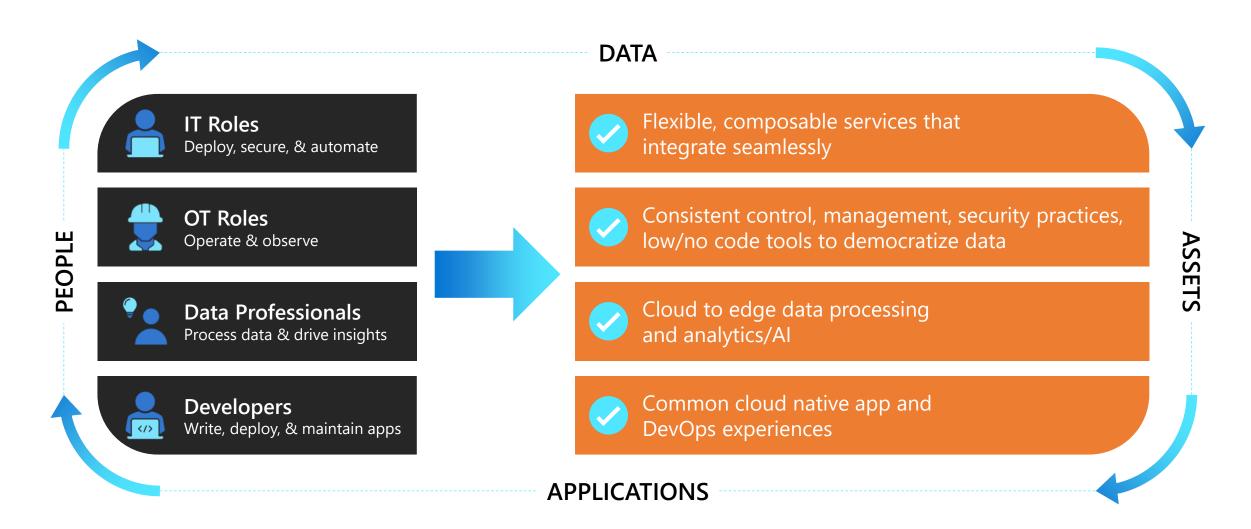


Achieving scale

From distributed environments to unified operations



Bringing it all together Single control plane, cloud-native agility, converged experiences



Portfolio expansion for digital transformation needs

Managing devices and operations at scale

Existing

Connect devices to deliver new product offerings with expanded capabilities and user experiences

Remotely monitor, control, and troubleshoot largescale fleets of devices (often millions)

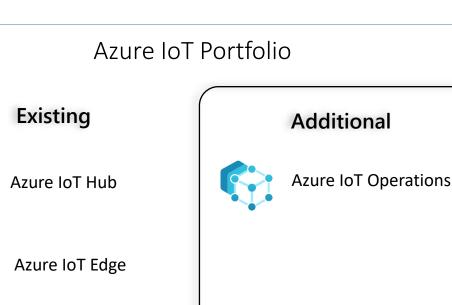
Develop new hardware to enable end-user opportunities

Additional

Understand, operate & automate my factory, store, hospital, etc.

Consistently manage & control enterprise assets across numerous sites

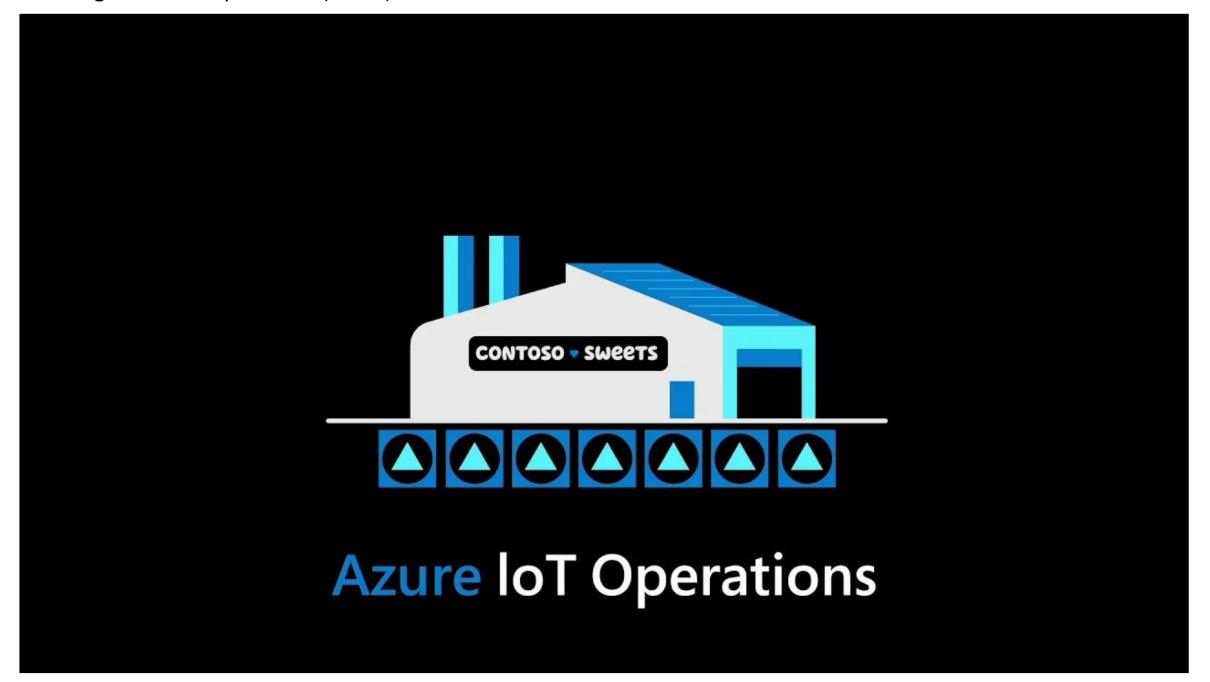
Utilize existing and third-party hardware to enable my business



Azure IoT Central

Device Provisioning

Service

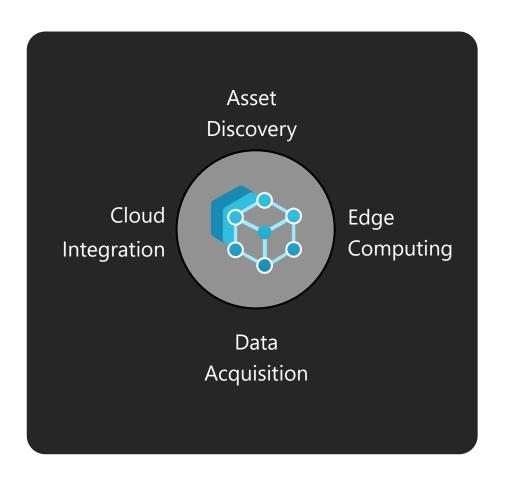


Azure IoT Operations

Transform Physical Operations

An industrial cloud to edge data and messaging plane, enabled by Azure Arc

- Unified management of equipment, infrastructure, and apps
- A seamless modular experience
- Interoperable services that streamline integration
- Oemocratized operational data
- Consistently build applications for scale



Azure IoT Operations use cases







Predictive Maintenance

Improve accuracy, reliability and efficiency of decision making to power predictive and automated maintenance

Asset Health

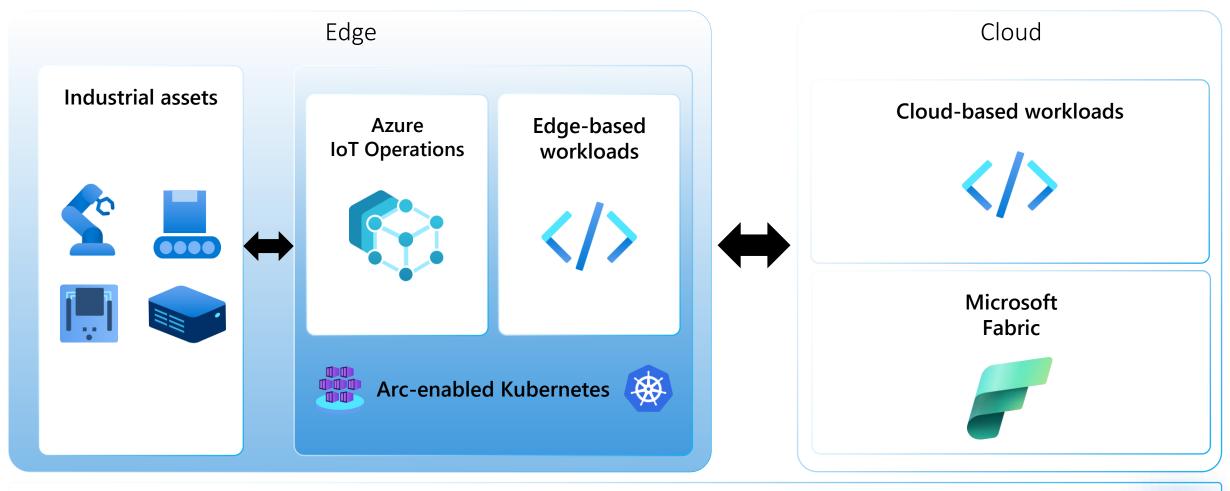
Make asset monitoring secure, transparent and faster by enabling real-time analysis and control of equipment

Efficient Operations

Enhance operational efficiency by optimizing resources, reducing costs and acting closer to data source

Common needs for holistic integration, security and cost optimization

Azure IoT Operations, enabled by Azure Arc







Azure IoT Operations

Transform Physical Operations

IoT Akri enables simple onboarding and projection of locally networked devices and assets.

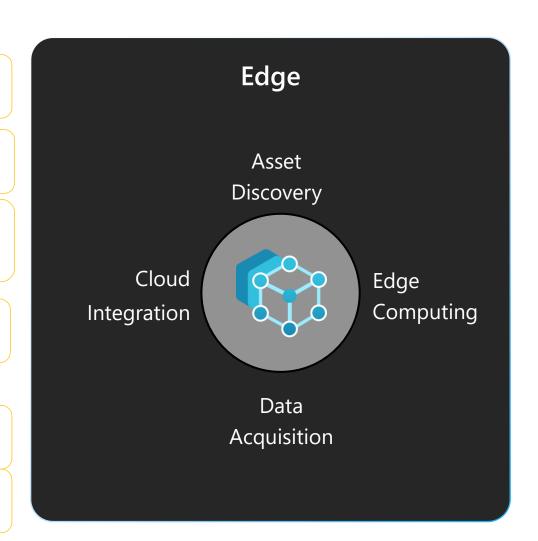
IoT OPC UA Broker connects and communicates with OPC UA Servers.

IoT MQ provides scalable and bi-directional edge/cloud communication and powers event-driven apps at the edge through a Kubernetes-native MQTT Broker.

IoT Data Processor provides customer defined data normalization and contextualization to make near real-time decisions.

IoT Layered Network Management ensures devices can be cloud-connected securely compliant to ISA-95 standards.

IoT Operations Experience provides simple User Interface to manage assets and configure data pipelines.



Get Started with Azure IoT Operations

Start your journey today:

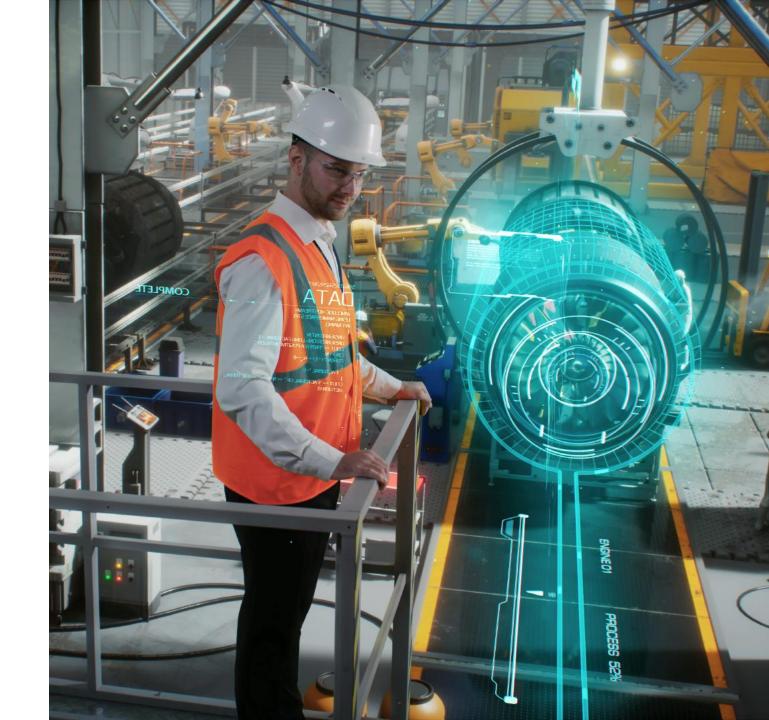
We value feedback to help us shape the future of our products and ensure it meets the diverse needs of customers.

Accelerate your technical evaluation and experience what is possible with Azure IoT Operations using automated scenarios, step by step guides, and samples available on Azure Arc Jumpstart



Jumpstart Your Evaluation

Accelerate technical evaluation and experience what is possible with Azure IoT Operations using automated scenarios, step by step guides and samples available on Azure Arc
Jumpstart



Resources

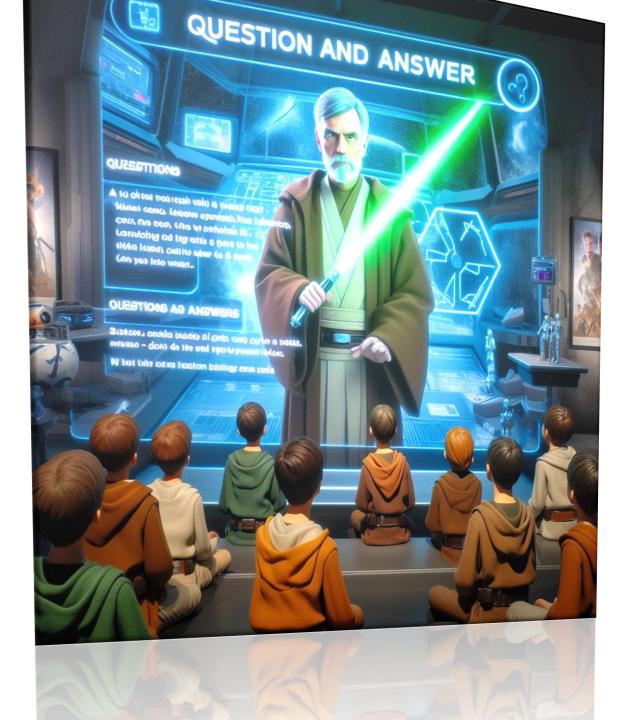
Product Website: https://www.aka.ms/AzureIoTOperations

Product Documentation: https://aka.ms/LearnAzureloTOperations

Azure For Manufacturing: http://aka.ms/AzureForManufacturing

Arc Jumpstart: http://aka.ms/AzureArcJumpstart

And more to come ...



Questions & Answers

- 30+ years in IT (Developer, Architect, Consultant, PM, Trainer)
- Speaker, Community addicted
- IoT Influencer



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THANK YOU!!

Slides will be available on Global Azure 2024 page on Azure Meetup Milano website