Masterclass

15:00 - 16:00 | Track 1 | Clases magistrales

2ª Planta

Sr. Arizmendi
EMEA Principal SSA

¿Qué es el edge? Retos que plantea

#livingontheedge
#theedgechallenge

Sr. Prada
Local Senior SSA

Aplicaciones multi-cluster con OpenShift

#multiclusterispossible
#openshift #kubernetes

Sr. Boubeta
Local Partner SA

GitOps más allá de Kubernetes

#beyondkubernetes #gitops
#automation

Sr. Ferrari
EMEA Senior SSA

Movimiento inteligente de datos entre sedes

#masterthedata #datainmotion
#capturedatachange

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Edge Computing by examples

A different introduction to edge computing

Luis Javier Arizmendi Alonso

Principal Edge Computing Specialist Solution Architect

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Formal definition of Edge Computing

Edge computing is a ***distributed computing*** *paradigm that* ***brings computation*** *and data storage* ***closer to the sources of data.***

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Let’s make this presentation **more attractive**

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Image by Monstera (pexels.com)

Customer use case **example 1**

“We would like to **automate defect detection** in our products **during the manufacturing** process at the factory production line.

That will help us to **prevent production delays, reduce costs and improve customer satisfaction.**

Mrs. Customer

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Icons from iconpacks.net

Customer use case **example 2**

“We need to monitor our remote systems and **react modifying the operation** if it’s needed **depending on multiple factors**.

That will help us to **maximize operational efficiency, prevent issues and reduce maintenance costs**.

Mr. Customer

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Image by Markus Spiske (unsplash.com)

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Image by Alexander Grey (pexels.com)

Image by American Public Power Association (unsplash.com)

Customer use case **example 3**

We must **modernize our business** with **new attractive services** that engage our customers independently where they are buying our products.

That will help us to **differentiate from competitors, enhance customer experience and increase our sales.**

Mr. Customer

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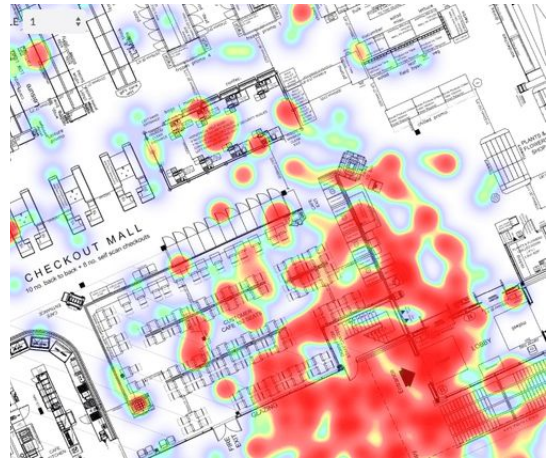
Some ideas for retail stores...

Augmented reality and in-store suggestions

Smart stock management

Virtual fitting rooms



Customer tracking

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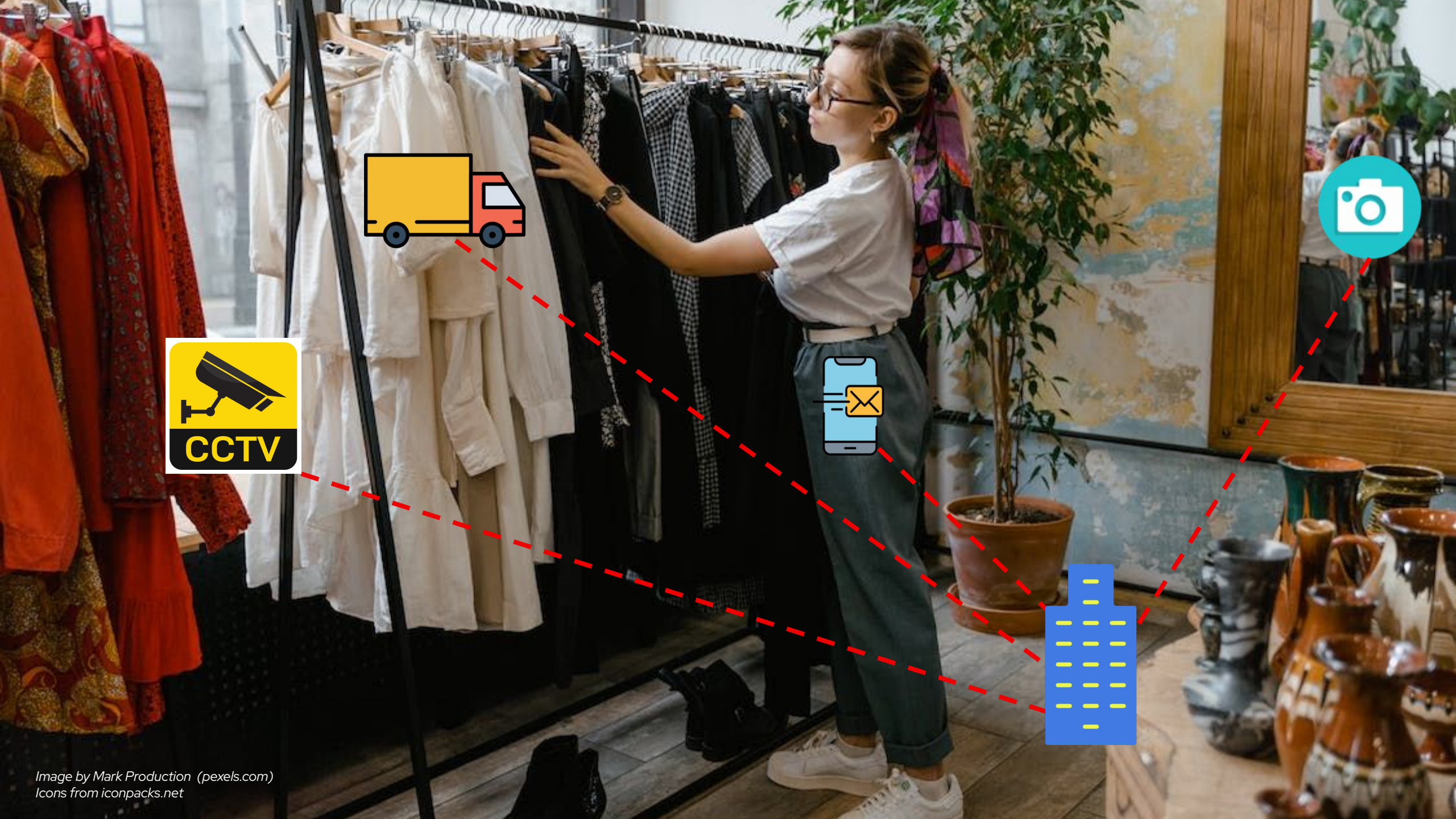
Image by Mark Production (pexels.com)



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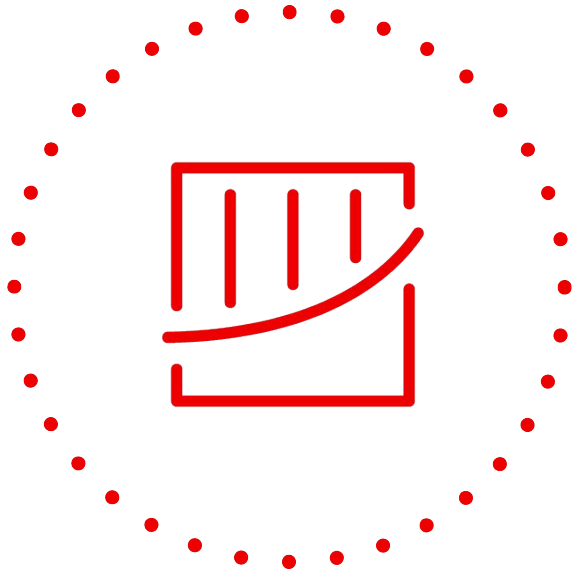
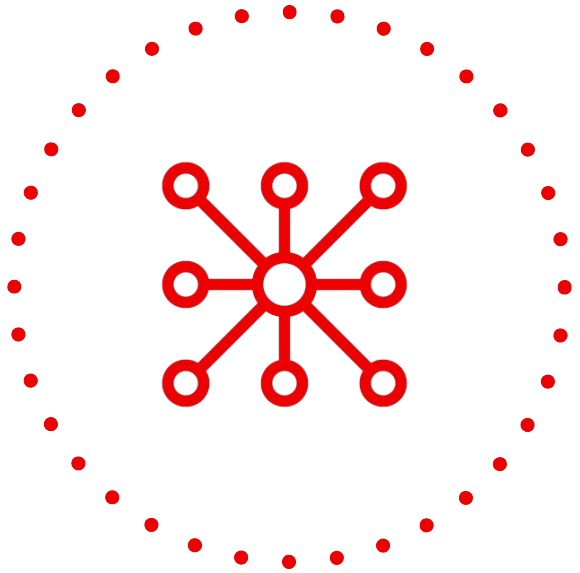
What were the challenges? (in these use cases)



Costs and scale

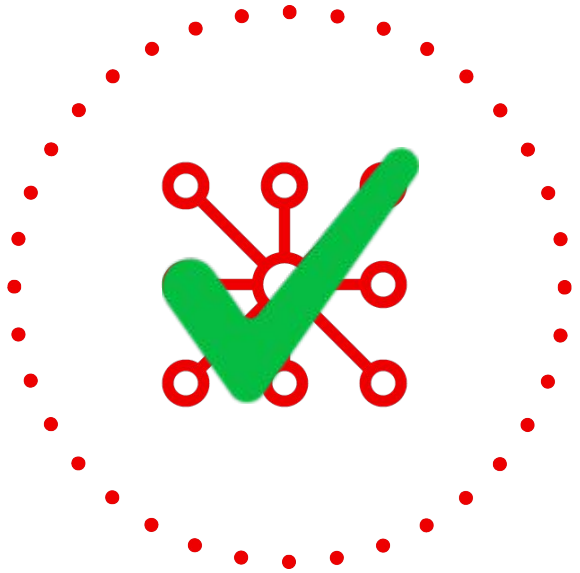


Network disconnections, delay, jitter and bandwidth

Privacy, security and compliance

How did Edge Computing overcome these challenges?

Reduced data backhaul and Data Center bottleneck



Improved performance and Real-time computing

Local data treatment

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What did edge computing do for them?

Brand protection and operational costs reduction

Operational efficiency improvement and maintenance costs reduction

Business differentiation and user experience enhancement

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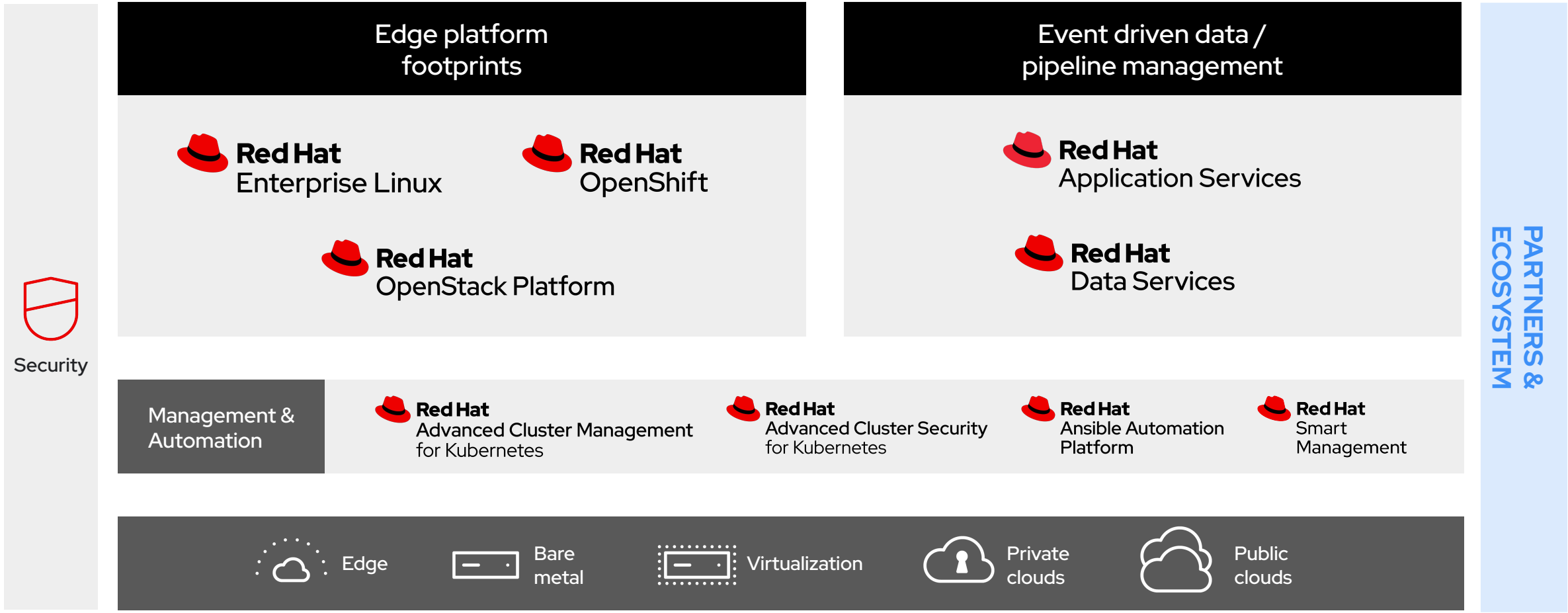
Red Hat Edge Computing portfolio



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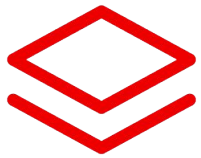
...and there is where Red Hat can help in Edge Computing



Platforms and portfolio

Powerful building blocks including Red Hat OpenStack® Platform, middleware, storage, and services, with Red Hat OpenShift® and Red Hat Enterprise Linux® in the heart of it all.

Open source leadership

Driving development of open standards while providing hardened, fully supported enterprise-grade platforms

Partner ecosystem

Partnering with hardware and software vendors to provide solutions to meet customer needs

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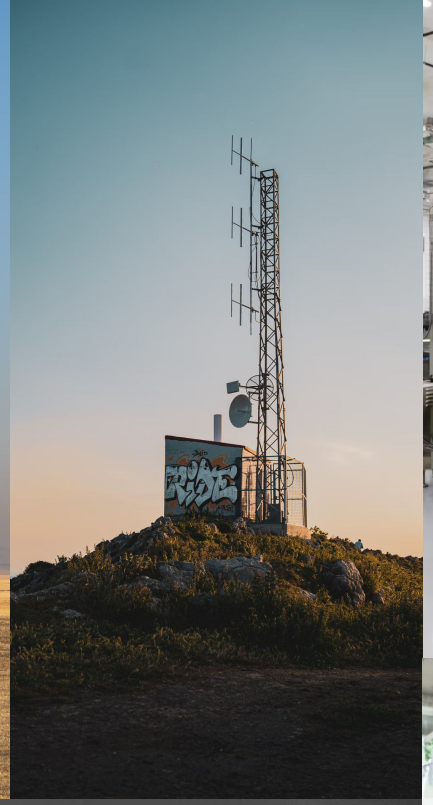

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