

Ubuntu 創新 Core 20 產品發布 & 技術研討會

DFI

DFI如何整合軟硬體讓AIoT應用 環境的佈署更具效率

Jarry Chang

Senior Director of Product Center, DFI



Make IoT Deployment More Risk-Free

Jarry Chang, Senior PM Director

2021 / 04 / 21

DFI

DFI At a Glance



40 YEARS

IN-DEPTH EXPERIENCE IN
EMBEDDED SOLUTIONS



278M

REVENUES IN 2020

180+ R&D

OUTSTANDING ENGINEERS



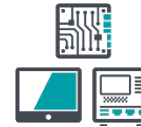
11 SITES

SERVICE CENTERS
WORLDWIDE



1M+

EMBEDDED BOARDS
DELIVERED EVERY YEAR



18K+

CONFIGURATIONS
SINCE 2011

1.5K

CLIENTS

TRANSACTION FROM 2015



15

YEARS

EXTENDED LONG TERM
SUPPORT



From Modules and Boards to Integrated Systems and Embedded Solutions

Industrial
Motherboards



System-On-
Modules



Industrial
Computers



Industrial
Panel PCs
& Displays



GROUP PRODUCT OFFERINGS



Solutions & Services

Technology & System Integration

Key Components

US\$ 25 Billion
in Revenue

100,000+
Employees

Top 100
Global
Technology Leader*

- 3C & Medical Service
- System Integration & IoT
- Networking & Communication
- Display & Solar
- Precision Component
- IC Design
- Chemicals & Materials
- Lighting

*Source: Recognized by Thomson Reuters in 2018


The World's First IPC To Join IoT Program

CANONICAL

ubuntu® Enterprise ▾ Developer ▾ Community ▾ Download ▾

Blog Overview Internet of Things Desktop Cloud and Server Topics Press centre

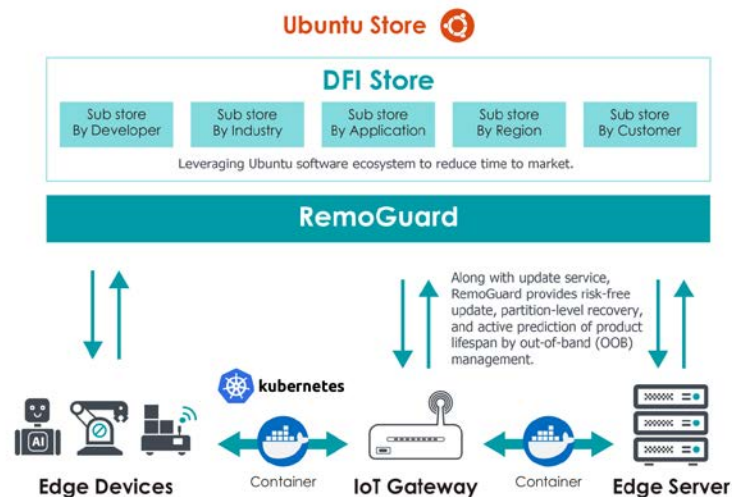
DFI and Canonical offer risk-free system updates and reduced software lead times for the IoT ecosystem

 Canonical
on 25 February 2021

Tags: [IoT](#), [Snaps](#), [Ubuntu Core](#)

DFI x ubuntu®

DFI x ubuntu + RemoGuard = Seamless IoT



First Wave



Fanless embedded system
with a very wide range of
applications based on
Intel Core™ i7/i5/i3

EC70A-KU



The world's first mini-
industrial motherboard
equipped with
AMD Ryzen™ R1000

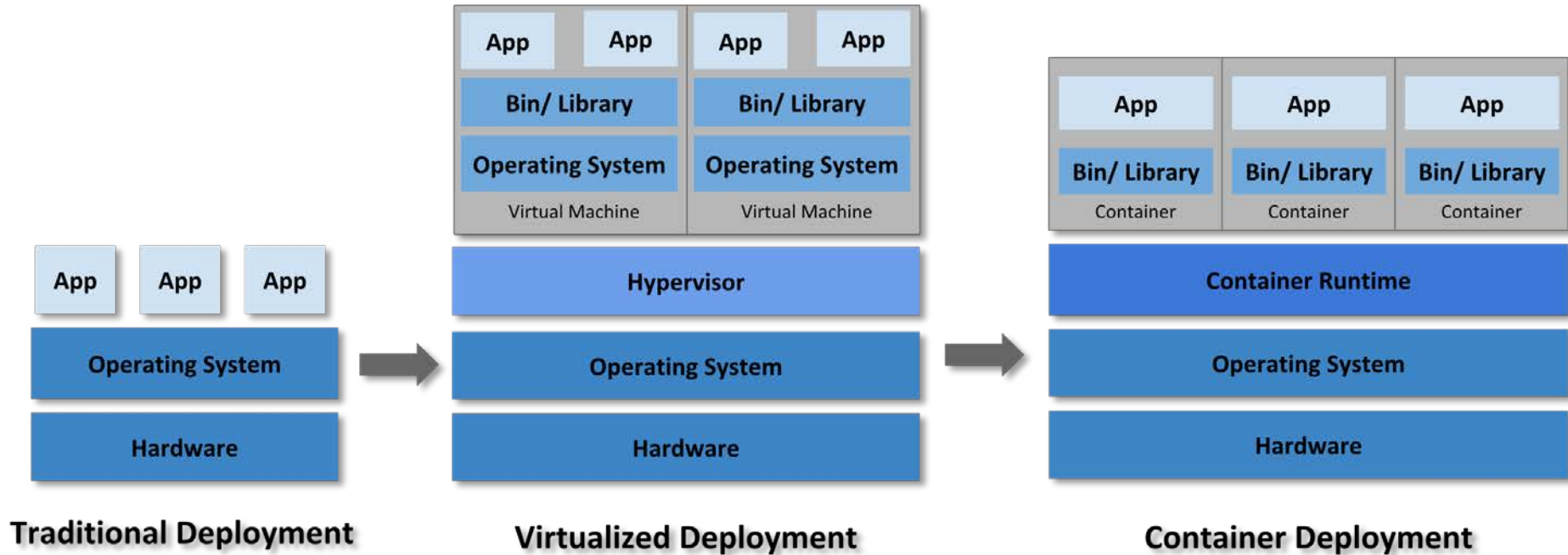
GHF51



The fanless embedded
system based on GHF51

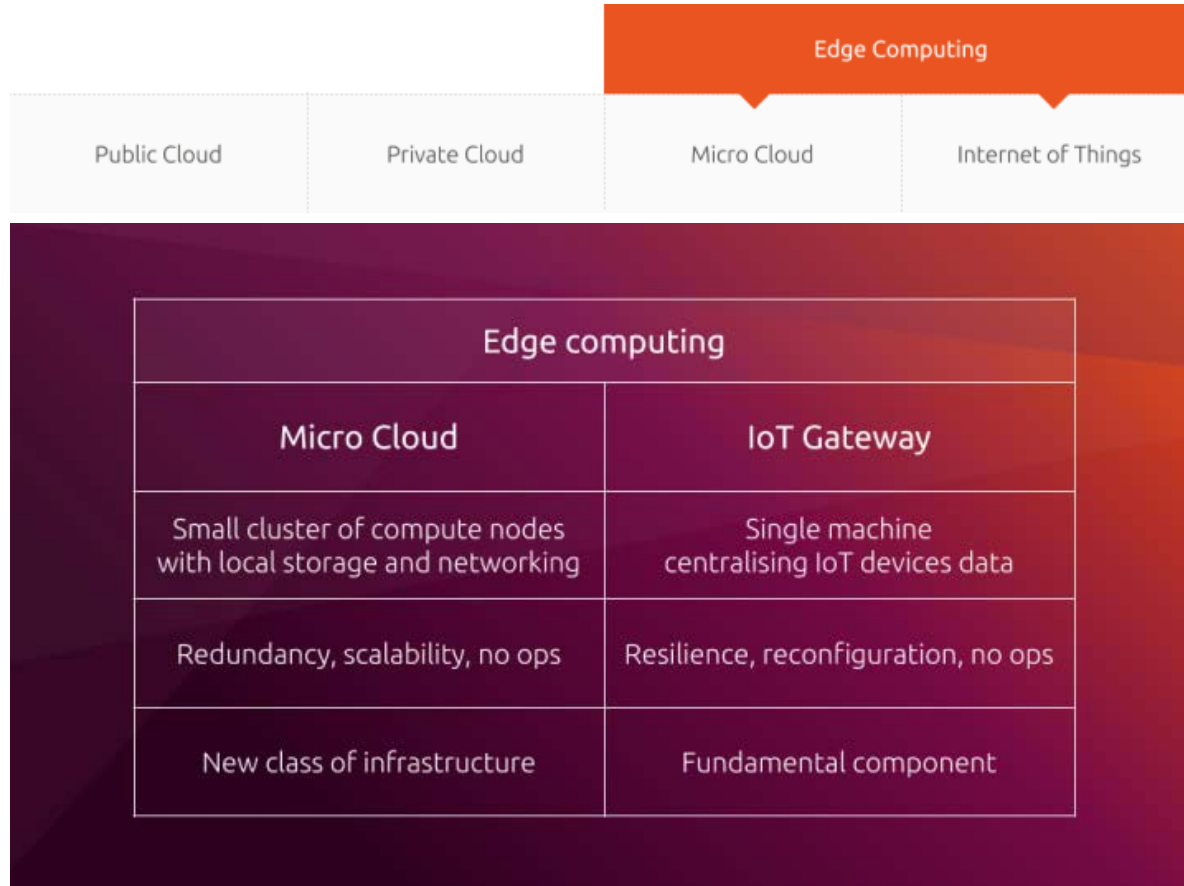
EC90A-GH

Containerization Moves On To Edge Computing



Ubuntu is the reference platform for Kubernetes on all major public clouds, including official support in **Google**'s GKE (Google Kubernetes Engine), **Microsoft**'s AKS (Azure Kubernetes Service) and **Amazon**'s EKS (Elastic Kubernetes Service) CAAS (Containers as a Service) offerings.

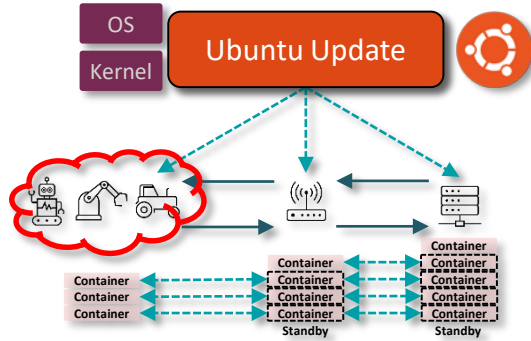
Edge Computing = Micro Cloud + IoT Gateway



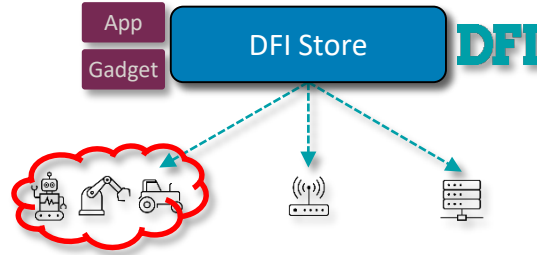
Across Edge, IoT Gateway, Edge Server

Edge Device		IoT Gateway		Edge Server
WL051	EC70A-KU	CS170	EC533-KD-AI	PR810-C622
M8M051	EC700-AL	CS181	EC500-CS	SO630
SOM	ECX700-AL	CMS101/103	EC5XX-KH	ICX610-C621A
SDM	ES220-CS	WL171/173	EC510/511-CS	CS620-H310
	ST102-CS	TGU171/173	EC543-CS	KD630-H110
	DSP	EHL171/173		CMS630-W480E/Q470E
	Medical	AL253		CMS631-Q470E/H420E
	In-Vehicle	GH551		CMS310-W480E/Q470E
	Railway	CS551		CMS330-Q470E/H420E
	Gaming	WL551		
	Touch Panel			

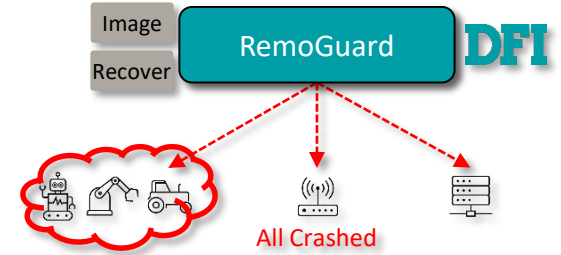
Risk-Free In Depth



System Upgrade
Container-Based Load Balance & HA
(High Availability)



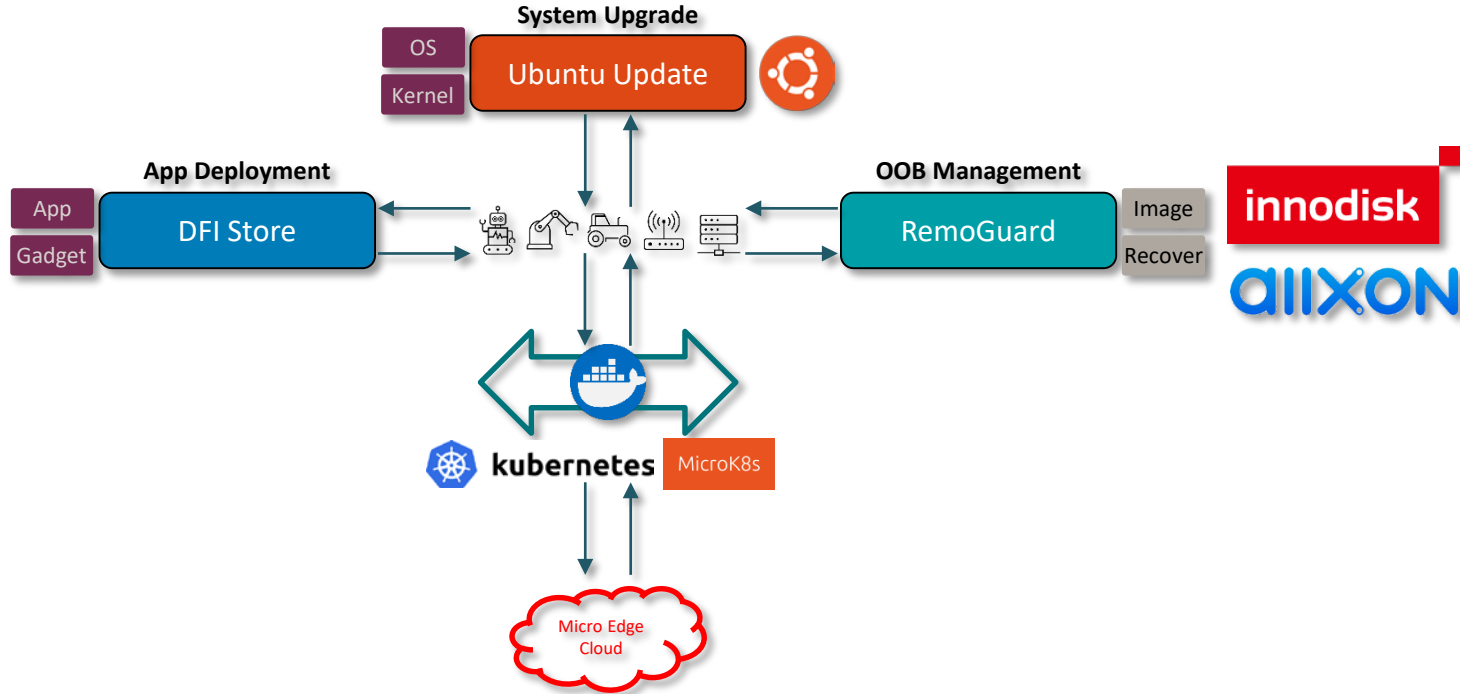
App Deployment



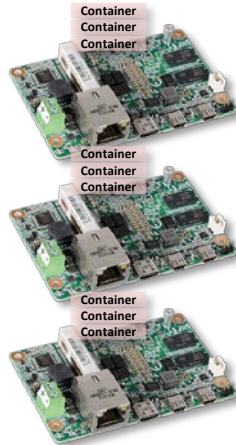
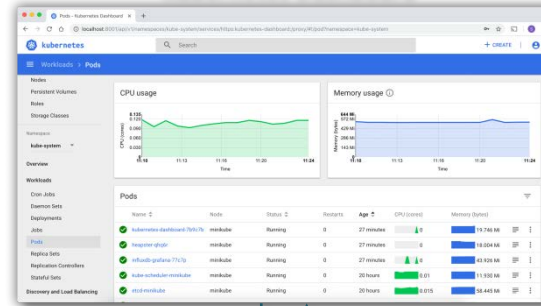
OOB Management



On The Way To Risk-Free IoT Ecosystem



Kubernetes Dashboard



GHF51

Container-based Loading
Balance & High Availability
Zero-ops infrastructure



EC70A-KU

Device Management

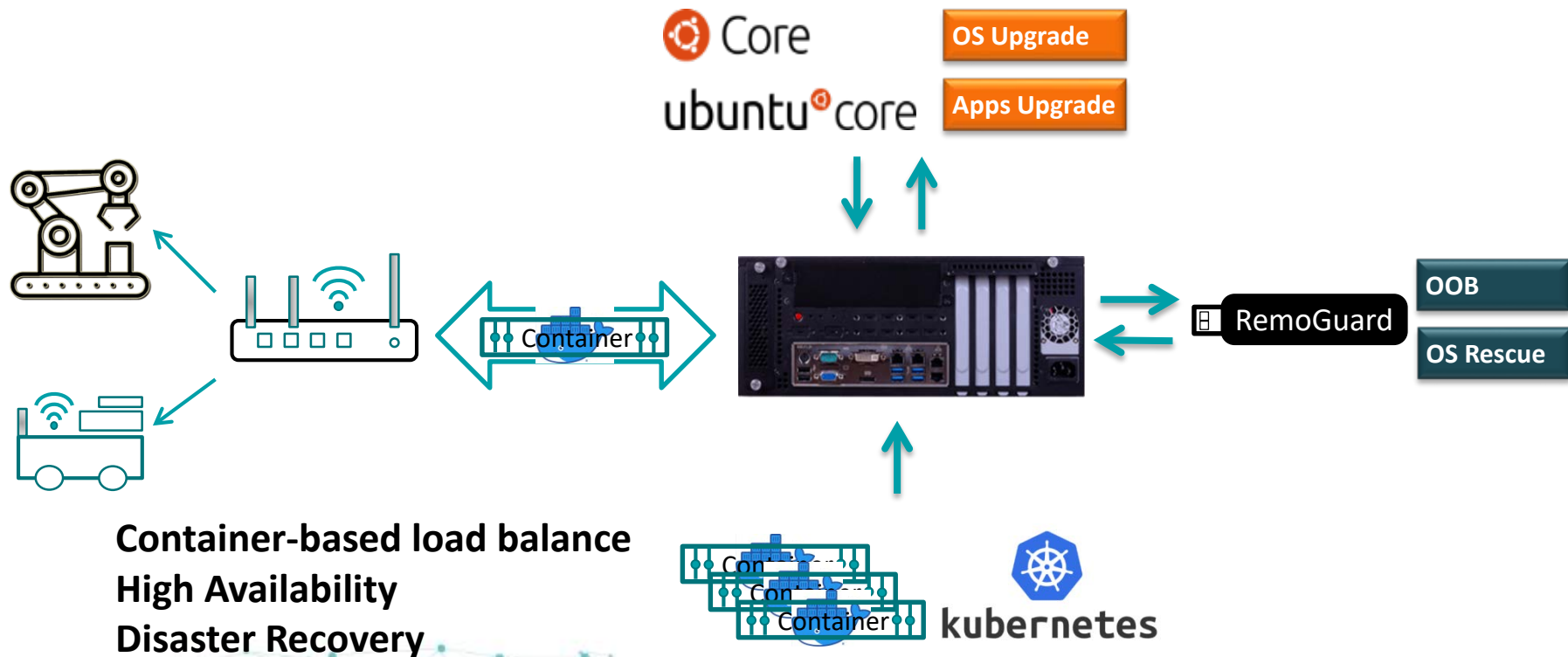
System Upgrade
App Deployment

OS Kernel Gadget App

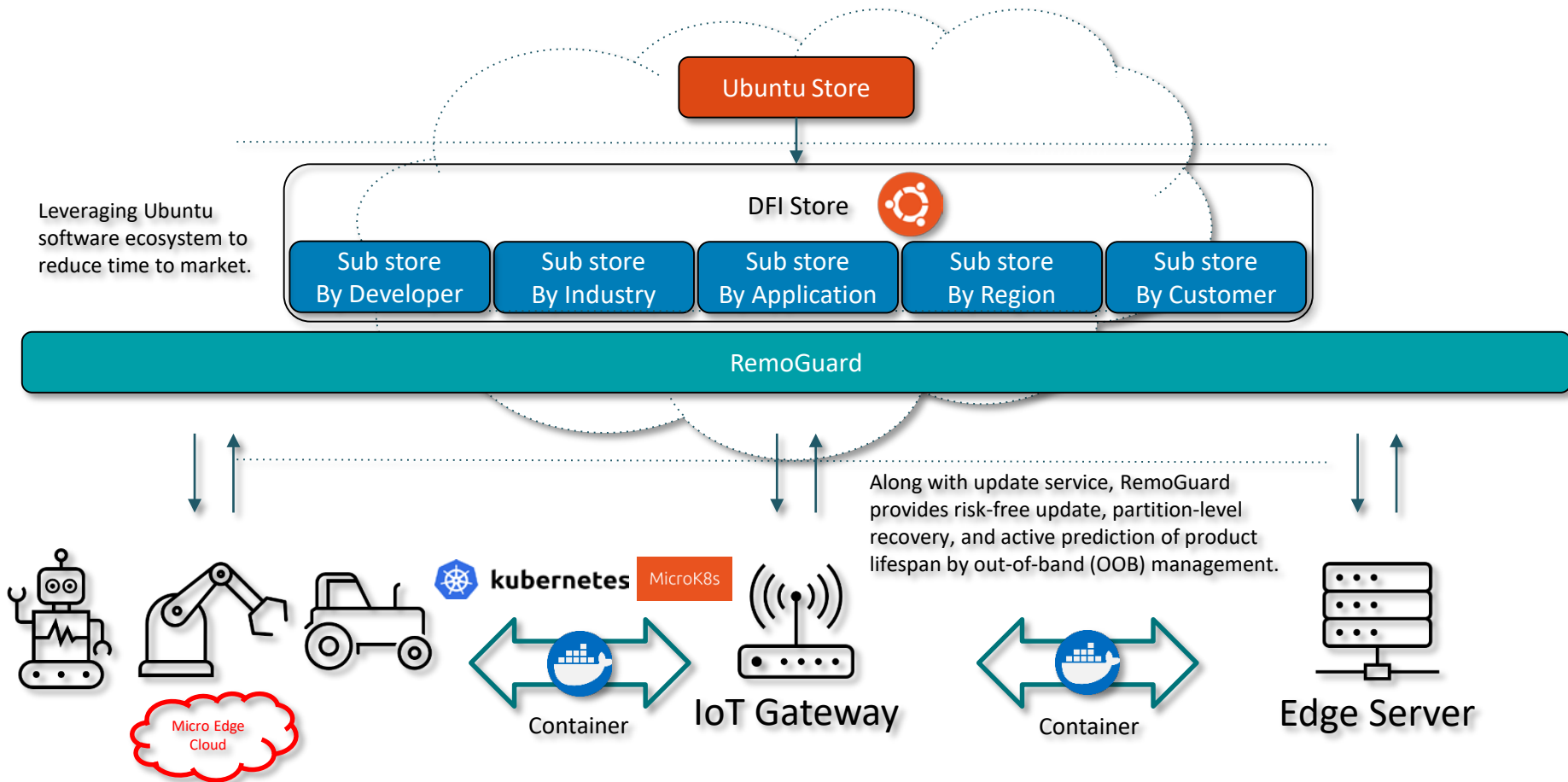


Digital Signage

Program, Ubuntu x DFI + RemoGuard



DFI x Ubuntu + RemoGuard = Seamless IoT



Thank you