IMAGINE THE POSSIBILITIES...
Delivering Cloud Native Operations with Edge Compute Enabled DAA

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According to Google Trends…
Modern apps power digital transformation

What’s running in your network?

Over the next three years...

* 1.6 BILLION CONTAINERS
* 70% KUBERNETES ADOPTION
* 35% CLOUD NATIVE APPS

*Source VMware

*Kubernetes for Executives (sourced from https://k8s.vmware.com/kubernetes-for-executives/)
Where is the Edge of your Network
…and what is your Mean Time-To-Cloud?

It’s **edgier** than you think!
Disaggregation and distribution
Deeper fiber-based Ethernet/IP connectivity
Convergence of service functions & infrastructure
Distributed Edge Computing – Where is it Again?

Location
Latency, data sovereignty, specialized things

Heterogeneous
Cloud delivery closer to everywhere

Network diversity
Any-to-any, multi-layer, multi-point and multi-protocol
A Container is Coming to a Cabinet Near You!

All about the apps
Reaching the eyeballs & smart X

Increasingly Machine to Machine
Deciding where to go next

Intelligent Infrastructure
Lighting up the path for modernization

From Photons to Containers in 60 nanoseconds
The Cloud Native Zookeeper

The Technology: Open-Source Stacks, Lego Blocks, Containers

The Dev Style: Microservices, Rapid Dev, Infrastructure agnostic

The Ops Style: CI/CD pipelines, Infinite Scale, Infrastructure as Code

Image source: https://pivotal.io/cloud-native
**Multi-cloud Portability**
Containerized apps across different environments

**Scalability**
Scale up/down in response to demand

**API-based**
Programmable through REST

**Integration & Extensibility**
Open ecosystem of pluggable solutions

**High Availability**
Policy-based shelf-healing

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**Container orchestration and management**

**Master** is the control plane responsible for spinning up/down containers

**Worker Node** is the data plane with a container runtime and a local agent for master communications
Orchestrating the Edge, Cabinets and Nodes in your DAA

Cloud vs Edge Orchestration
Containerized apps across different environments & resource pools

Network Functions & Runtimes
Heterogeneous, CPU, GPU, FPGA, Accelerators, real-time runtimes

Network Intent & automation ops
High fidelity telemetry, network aware scheduling

CI/CD and DevOps
Open eco-system of pluggable solutions
From Intent
Open-Source Stacks, Lego Blocks, Containers

To Execution
Microservices, Rapid Dev, Infrastructure agnostic

In 60 seconds
CI/CD pipelines, Infinite Scale, Infrastructure as Code
Thank You!

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