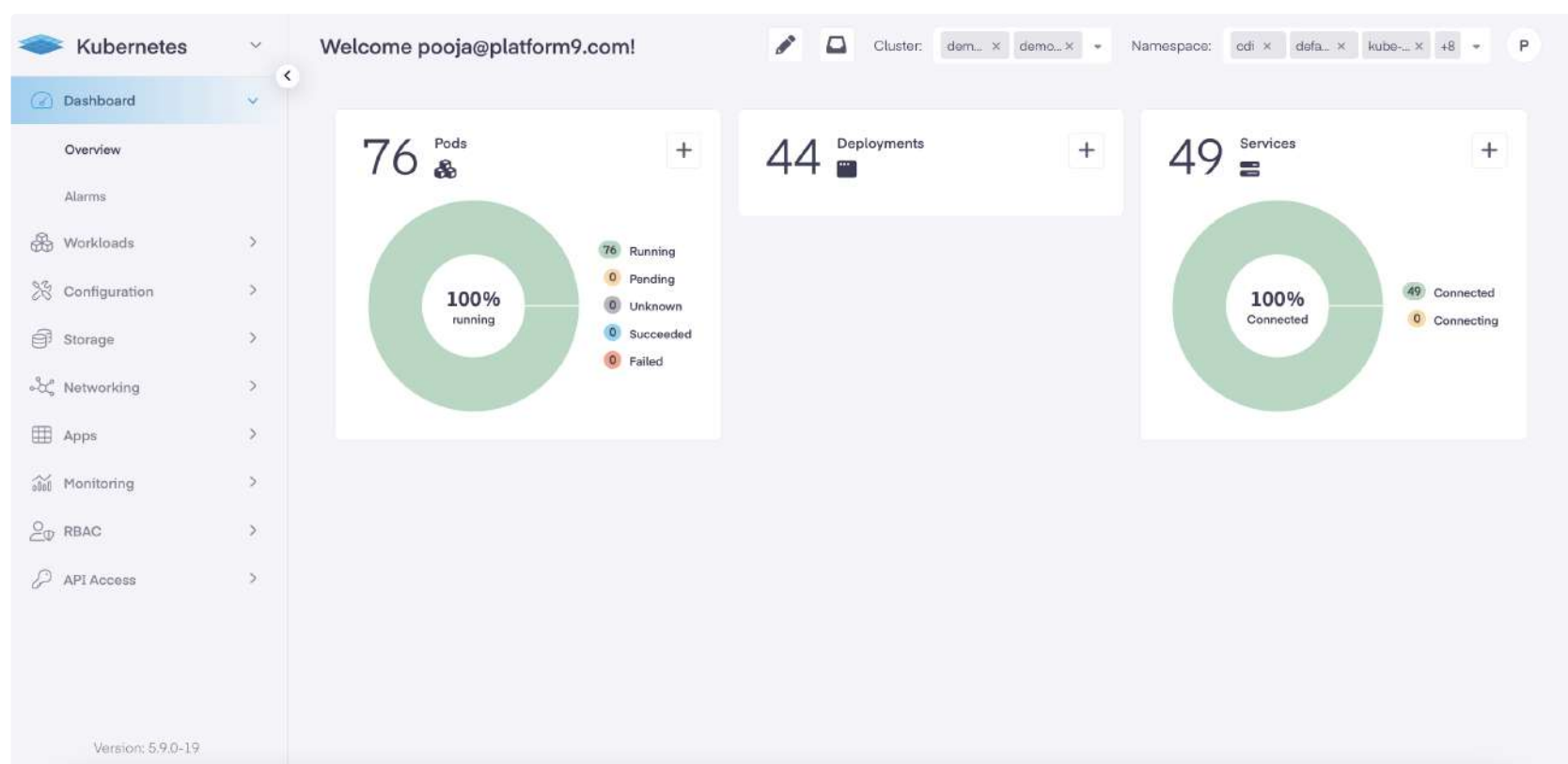# Rapidly deliver apps that transform in-store customer experiences

The brick-and-mortar store is the new battleground for retailers. They need to deliver outstanding in-store shopping experiences that drive new revenues while maintaining operational efficiencies. With the latest developments in technologies such as Kubernetes and edge computing, it is possible to deploy **software-defined stores** that deliver the agility and ease-of- use similar to that of a public cloud. With Platform9's SaaS-based management plane, retailers can modernize their stores without having to rip and replace their existing hardware. They can run their existing legacy applications while rolling our new innovative cloud native AI applications using Kubernetes as the underlying cloud fabric.
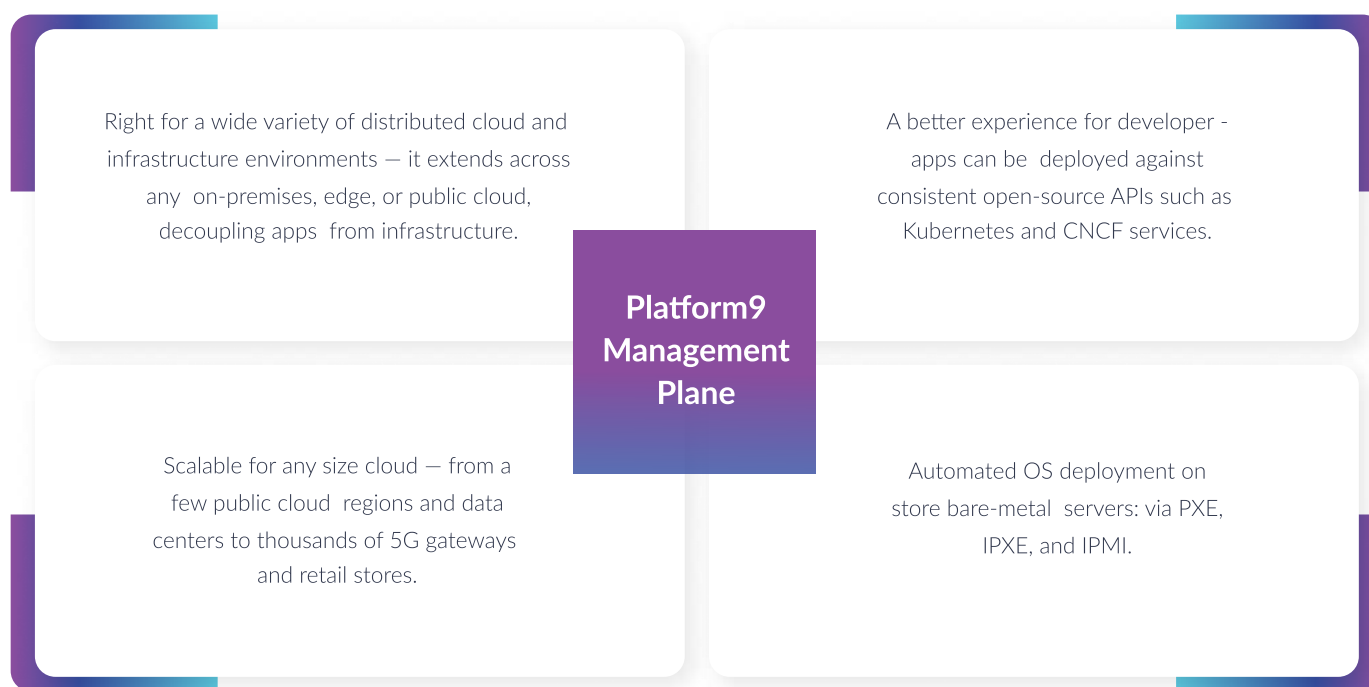

A comprehensive and intuitive dashboard

> " The enormous business value of Platform9 is that distributed teams can develop and deploy services, change order processes, or even set up new stores in days instead of weeks or months.
>
> David Grainger
> Digital Platforms Manager, Kingfisher PL

SaaS architecture for managing distributed clouds

Platform9's SaaS-based management plane eases deploying, scaling, and operating cloud-native infrastructure and applications. The fully managed service eliminates the complexity and IT overhead of operating cloud-native infrastructure. Enterprises of any size — with distributed clouds of any size — plug in their own infrastructure, log in from anywhere, and start managing their containers and apps with a public cloud-like experience. DevOps admins can centrally manage 100s of sites as easily as they manage one site.

Right for a wide variety of distributed cloud and infrastructure environments — it extends across any on-premises, edge, or public cloud, decoupling apps from infrastructure.

A better experience for developer - apps can be deployed against consistent open-source APIs such as Kubernetes and CNCF services.

Platform9 Management Plane

Scalable for any size cloud — from a few public cloud regions and data centers to thousands of 5G gateways and retail stores.

Automated OS deployment on store bare-metal servers: via PXE, IPXE, and IPMI.

Realize immediate value

- **Quickly and cost-effectively** deploy Kubernetes-managed containers and VMs compared to on-premise solutions.

- Efficiently monitor and maintain 1000s of nodes with an **automated management plane.**

- Integrate with existing infrastructure.

- Install easily with **no proprietary lock-in.**

- Accelerate application delivery for **faster Go-To-Market.**

- **Minimize costs and resource strains** by streamlining the hiring of Kubernetes engineers and liberating DevOps from backend management tasks.

Accelerate in-store software delivery

Centrally deploy and manage apps across 1000s of stores: POS, AR/VR, machine learning, network video recording, curbside pickup, smart assistants, and virtual mirrors without the operational burden. Platform9 provides all the features needed for managing store deployments quickly and efficiently. Our SaaS-based management plane enables:

Using a single sign-on for distributed infrastructure locations.

Cluster profiles to ensure consistency of deployment across large numbers of clusters and customers.

Using tooling, APIs, and the App Catalog to simplify application management at scale.

Platform9 — the best fit for retail environments

Platform9 is specifically designed to work in the types of distributed clouds typically used in retail deployments. Other tools such as Rancher, OpenShift, and Google Anthos do not provide a similar, vendor-agnostic management plane for central operations.

Build and deploy in-store retail applications with confidence
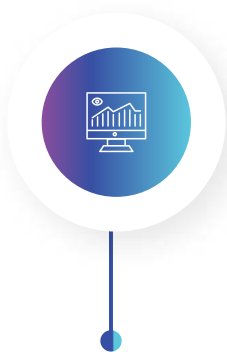
01 Customer-facing apps such as POS, network video recorders, intelligent order processing.

02 Advanced resource binding with CPU management pinning and NUMA; topology management; and monitoring and visibility.

03 DevOps tools, AI/ML, and data services including CI/CD tool chains, databases, analytics.

04 Automated app deployment frameworks such as Helm, API, CLI, and Terraform.
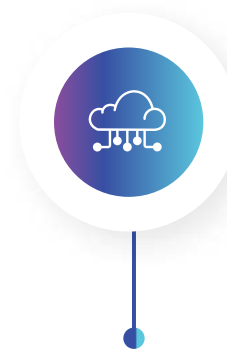
Automate the infrastructure stack in each store

Centralized monitoring and logging with Prometheus, Grafana, Alert Manager, and EFK among others.

Automated deployment of Kubernetes and virtualization stacks; manage and run VMs and containers in each store.

Fully automated bare metal life-cycle management for full stack deployments with no need for third party hypervisors such as VMware ESXi.

Trust in 24/7/365 proactive support with Always-On Assurance™

With Platform9, you're not on your own. All our support engineers are Certified Kubernetes Administrators (CKA) and they ensure 99.9% management plane availability with a financially backed SLA. And if issues arise and the unexpected happens, we are solely focused on keeping your clouds up and running. When you register a node with the Platform9 service, an agent starts monitoring and reporting every important performance metric about the environment. When something is off, Platform9 automatically alerts you and Platform9 engineers and begins debugging, troubleshooting, and if necessary, rebooting servers. If a disk crashes or there's a fatal condition in the customer-owned infrastructure, proactively minded Platform9 support teams are poised to help.

Contact Us