

Entertainment

North America

STREAMING RADIO PROVIDER

Effortless Infrastructure at Scale: Powering a Leading Radio Platform

Business overview

The customer is a major satellite and streaming radio provider known for delivering an expansive audio entertainment experience across platforms including cars, mobile devices, and online services. With millions of subscribers and a fast-moving development environment, the company demands a robust and flexible infrastructure that can support high availability, rapid updates, and seamless user experiences.

Challenges

As the company's services grew in scale and complexity, their infrastructure teams encountered several obstacles:

- Supporting multiple teams and deployment pipelines across different environments (development, staging, production)
- Maintaining consistent, reliable updates to services without disrupting live audio streams
- Managing Kubernetes and container orchestration at scale while ensuring high availability
- Balancing developer agility with operational governance and infrastructure stability
- Reducing manual platform support to shift focus toward feature development and performance optimization

The solution

To address these challenges, the company adopted Portainer as their centralized container management platform. Portainer provided:

- A unified dashboard to visualize and manage Kubernetes clusters and container services across environments
- Role-based access controls and namespaces to balance developer freedom with robust governance
- Streamlined deployment workflows that reduced operational friction and accelerated delivery cycles
- Integrated health monitoring and alerting to maintain service uptime and quickly respond to issues
- Reduced dependency on manual infrastructure operations, enabling the team to focus on innovation and user experience

With Portainer, the company achieved a scalable, self-service infrastructure model that supports rapid growth while ensuring continuous, reliable audio performance for millions of listeners.

“It would require a significant addition, like 2 or more full-time employees to perform update tasks across 250 nodes without Portainer.”

Whether you're managing at scale or building at the edge, we're here to make it simple.

Get started now