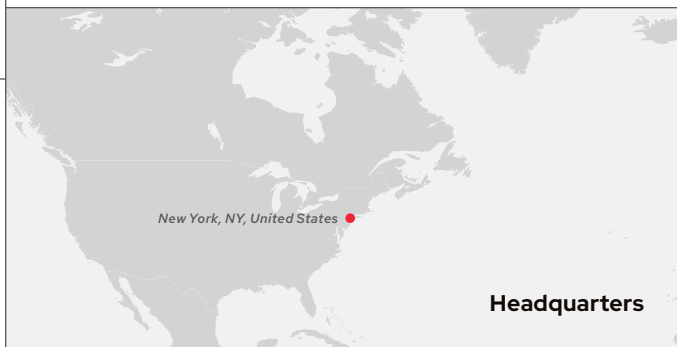


Verizon Media supports platform for edge data insights with Red Hat OpenShift

verizon**Software**

Red Hat® OpenShift®

To help its developers use 5G data insight to build innovative new services, Verizon and its division Verizon Media created Leo, an artificial intelligence (AI) platform and application. By certifying Leo for Red Hat OpenShift, Verizon gained the scalability and responsiveness to benefit from near real-time data from the network edge and stay ahead of competition in a new but growing market.

**Media****135,000** employees**Benefits**

- ▶ Accelerated application delivery using real-time edge data
- ▶ Established scalability to respond to 5G data growth
- ▶ Improved application security and performance

"Red Hat OpenShift helps us harness edge data and deliver real-time intelligence."

Ganesh HarinathVice President and Chief Technology Officer,
Verizon Media

Embracing transformative innovation with 5G

5G connectivity offers new data opportunities for the communications industry. To take advantage of new insight from this data ahead of the market, Verizon and its division Verizon Media sought to adopt artificial intelligence (AI) capabilities to help its developers create new customer-facing services. For example, large-scale AI inferencing—providing data evaluation after training—at Verizon’s network edge would support near real-time decision making.

Supporting AI-based edge insight with enterprise Kubernetes

Verizon and Verizon Media created Leo, an AI-based edge intelligence platform and application, to provide new data insight across a variety of use cases, from crew safety and touchless travel to video analytics, drone-based delivery, smart manufacturing, and more.

The company chose Red Hat OpenShift to support Leo’s continued development across Verizon’s cloud environments. Red Hat OpenShift, an enterprise Kubernetes platform, provides a consistent cross-environment foundation for innovative application development at scale, including robust automation capabilities and comprehensive, continuous security. Verizon successfully migrated more than 1,000 containers to the new platform from its previous solution.

Inspired by its shift to enterprise open source container technology, Verizon Media joined the Enterprise Neurosystem project, an AI and machine learning (ML) open source research community effort.

Staying ahead of competition with new, intelligent services

Accelerated application delivery using real-time edge data

By creating a more reliable, consistent developer experience, Verizon has improved its time to market for new, innovative applications. “Red Hat OpenShift helps us harness edge data and deliver real-time intelligence,” said Ganesh Harinath, Vice President and Chief Technology Officer, Verizon Media.

Established scalability to respond to massive data growth

With a modular, container-based foundation on Red Hat OpenShift, Verizon can accommodate the anticipated potential of 5G at the network edge. Its platforms can now process more than 1 million AI inferences per second. As a result, Verizon has improved prediction accuracy for thousands of edge appliances and endpoints.

Improved AI system performance

Ongoing, iterative development and delivery of updates to its AI-powered applications help keep Leo functioning correctly and Verizon’s systems protected from errors or vulnerabilities, even at distributed locations.

About Verizon Media

Verizon Media is a division of Verizon Communications, focused on the media and online business. It is one of the world's largest technology communications companies.

<https://www.verizonmedia.com/>



About Red Hat Innovators in the Open

Innovation is the core of open source. Red Hat customers use open source technologies to change not only their own organizations, but also entire industries and markets. Red Hat Innovators in the Open proudly showcases how our customers use enterprise open source solutions to solve their toughest business challenges. Want to share your story? [Learn more.](#)



About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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