Fueling digital advances in the 5G era

Verizon Business allows organizations to benefit from lightning-fast data processing at the edge.

Across industries, Verizon Business customers take advantage of edge computing with 5G connectivity, running on a Dell Technologies infrastructure. They find new ways to thrive, compete and serve customers as they re-create and streamline their operations.

Verizon was the first telecommunications provider to launch 5G services, which are practically without latency and much faster compared to earlier connectivity standards. Verizon’s 5G enables peak data rates of 10 Gbps and supports up to 1 million connected devices per square kilometer. It allows devices to move up to 310 miles per hour and remain connected.

Transformations

- Delivers data and applications at unheard-of speeds.
- Enables organizations to break new ground as they create value, grow and compete.
Edge computing takes center stage

An extremely efficient network architecture — multi-access edge computing (MEC) — makes it possible to reap the benefits of 5G in many different industrial, commercial and public-sector scenarios. MEC facilitates data gathering, processing and delivery at the edge, serving users without requiring information to travel through a data center.

Tami Erwin, CEO of Verizon Business, explains, “Instead of sending data to data centers that can be thousands of miles away, MEC expedites it to servers, base stations or local data centers that are close to users. That further reduces network latencies and makes it possible to create transformative, impactful applications that were previously not realizable.”

In the high-performance infrastructure that powers MEC, edge solutions from Dell Technologies play a key role. The two companies also innovate jointly on behalf of customers. Erwin adds, “Strategic collaborators like Dell Technologies enable us to go faster in building the infrastructure for the 5G era. Together, we can deliver what customers need to realize the power of edge computing in their businesses.”

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Clearing the way for progress

For many organizations, private MEC powered by 5G makes it possible to stand up a dedicated edge computing infrastructure on-premises. They can reduce latency, drive faster performance, implement strong security and customize solutions to their needs. “With private MEC, your data never leaves the building,” Erwin points out. “It’s secure, always available and can travel at 5G speed. You can solve issues that used to be intractable.”

Across industries, businesses find that they can approach their most ambitious goals rapidly as they rely on 5G MEC. For example:

- Manufacturers align IT and operational technology (OT) on the shop floor to take advantage of flexible robotics and implement predictive maintenance.
- Healthcare providers create better patient results and devise treatment courses in single appointments, even for patients in remote, underserved locations.
- Retailers offer augmented reality (AR) to allow customers to try products out before they decide.

Erwin comments, “When I think about the future of mobile edge computing, I know we’re just getting started. We can help customers transform their businesses for growth and unheard-of innovation.”

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