451 Edge Event – On Demand

Data, analytics, and artificial intelligence and machine learning (AI/ML) support modern innovations that organizations need in today's fast-moving marketplace by providing insights that uncover opportunities to deliver new services or optimize costs. Whether companies are looking for low-latency or intermittent connectivity across footprints, edge computing can improve infrastructure resilience and application availability.

Driven by use cases that require near real-time processing of data, edge computing can help:

- Telecommunications service providers deploy virtualized and containerized network functions to improve flexibility and availability, increase efficiency, and simplify network operations. They can also create a multi-access edge computing (MEC) platform to offer new services or the edge of the cloud network for business customers' application workloads.
- Manufacturing plants proactively discover and solve problems before they occur. With edge computing, you can gather and process sensor data at the assembly line and enable the business to reduce downtime through predictive maintenance and improved product quality.
- Industries with remote offices use local servers and storage to process latency-sensitive workloads.

In addition, edge computing helps organizations:

- Reduce latency and provide better application response times by processing and storing data closer to application users.
- Save on bandwidth costs. The amount of data being produced is reaching the limits of what organizations can handle. Distributing compute power to the edge of the network reduces strain placed on network bandwidth, connections, and the core datacenter.
- Increase resilience. By making each edge site an independent, autonomous deployment, failures on one site do not impact services on

other sites. If one of the remote sites fails, other sites can take over and minimize the impact to the business.

- Help meet data sovereignty requirements. Regulatory and compliance needs of data movement can be complex and difficult to manage. In cases where data cannot cross the boundaries of a state or country, edge computing allows you to keep and process that data locally.

So where do you start your edge computing journey? In this virtual roundtable from 451 Research, you'll hear from experts about building edge solutions using open source technologies and the collaboration across the edge technology and community ecosystem.

Telco Track

5th Generation wireless networks represent the opportunity for telecommunications service providers to expand their core value to private wireless networks in industrial and enterprise environments, and empower next generation use cases including commercial fleet management and vehicle-to-everything (V2X) infrastructure for emergency services and self-driving cars. When paired with multi-access edge computing, telecommunications service providers can leverage their unique geographic advantage to offer the right application services to customers with the highest performance at a very competitive cost.

Industrial Track

Edge Computing is a powerful new asset in optimizing organizational workloads for digital transformation. Industrial environments have unique demands for application latency, security of trade secrets and data sovereignty, many of which struggle to remain cost-effective or performant when in the cloud. Edge computing combines the benefits of the cloud in orchestration and flexibility with local connectivity and data analytics to empower field and factory personnel with the right data in the right place at the right time. How can you best leverage the growing ecosystem of technology vendors and open-source to deploy edge computing in your own organization?

Who should attend:

- This event is for the line of business senior executives and strategy leaders focusing on edge and cloud computing, technology and operations, and culture.

On-demand content: Available for one year.