Addressing the insatiable demand for streaming media entertainment

Streaming Video on Mobile Devices

Streaming is now the primary consumption medium for video content. As a result, media companies need to be able to quickly and reliably deliver high-quality video streaming to all their users, whether they are watching on desktops, laptops, or mobile devices.

Verizon 5G Edge with AWS Wavelength

Verizon 5G Edge with AWS Wavelength delivers real-time streaming with a smaller onsite footprint, a lower starting cost, pay-as-you-go pricing, and comes with a large ecosystem of developer and professional services support.

Real-time streaming using Verizon 5G Edge with AWS Wavelength

Verizon 5G Edge with AWS Wavelength enables media companies to deliver high-quality video streaming to their users with lower costs, faster speeds, and greater reliability. With 5G and AWS, media companies can:

- Stream higher-quality video with lower latency and higher bandwidth
- Reduce costs by using 5G to offload content from the core network
- Improve viewer experience and engagement with optimized streaming at the edge

Get started.

Learn more

verizon.com/5gedgeawswavelength

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Agile remote video production example

5G and mobile edge bring increased flexibility, lower upfront costs, and can streamline the video production pipeline.

Without 5G and edge computing:

- Expensive on-site truck rentals and microwave or satellite connections
- Costly on-premises computing and production equipment
- Multi-day planning, setup, and staging
- Limited mobility of video capture equipment
- Significant round-trip latencies lead to delays in video production times

With 5G and edge computing:

- Edge-powered video production reduces on-site footprint and costs
- Pre-staged media and assets on edge computing nodes allow for dynamic content insertion
- 5G enables rich event coverage by supporting ingestion from flexible sources: cameras, mobile phones, and drones
- Using 5G for video upload at edge sites allows live editing and instant feed switching, reducing production times

Streaming apps can use Verizon Edge Discovery Service (EDS) in real-time to find the closest AWS Wavelength instance.

Verizon 5G Edge is protected from direct internet access and relies on secure mobile identity management, providing increased security.

AWS Wavelength is located with Verizon’s 5G mobile core, providing the lowest latency and most reliable access to cloud computing for video processing and storage.

Developers can use familiar AWS console, API, and AWS services for development, with access to GPU-enabled EC2 instances for intensive image processing needed for real-time streaming.

Edge-based applications can continue to process data even if upstream network connections are down, improving network resiliency and media stream availability.

Full access to rich computing resources enables intelligent transformations and transcoding of real-time immersive videos.

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