Enterprise webcast events are becoming an increasingly popular tool for effectively communicating with large-scale workforces and audiences. However, scaling video events inside the enterprise is a challenging endeavor. In most cases, it involves complex proxy systems or large infrastructure deployments across remote offices in order to facilitate a successful event. Standard enterprise streaming solutions often bring multiple streams through the firewall or remote office connection, creating inefficiencies and often introducing video delivery difficulties. As enterprises grow, they require media delivery solutions that allow them to scale, remain cost-efficient and minimize complexity. Akamai’s Infinite Enterprise is designed to make streaming inside the enterprise simple by taking complexity out of the equation.

**Infinite Enterprise**

Infinite Enterprise is an accelerated video delivery solution optimized for high-quality streaming events inside an enterprise environment. The solution is designed to provide secure, reliable, and efficient video delivery behind the corporate firewall across global enterprises. Akamai’s Infinite Enterprise solution dynamically determines the most efficient path to use in any corporation infrastructure to ensure viewers smooth, live webcasts and high-quality viewing experiences. The solution is designed to remove bottlenecks, bandwidth concerns, and ensure all corporate offices receive a sustained quality video experience globally.

**High-Quality Enterprise Video Delivery**

Infinite Enterprise enables corporations to deliver high-quality live streaming events for global workforces. The solution is designed to eliminate buffering through unique stream acceleration technologies. Akamai’s patented video streaming technologies utilize enhanced UDP transport protocols and resilient coding schemes to accelerate video over the internet, making video viewed over best-effort broadband networks begin to perform like provisioned networks. This technology helps overcome network congestion and packet loss, achieve higher capacity, and sustain a stable viewing experience for all employees. Combined with Adaptive Bit Rate streaming, the solution can provide the right quality for each individual viewer, regardless if they are in the corporate office, remote office, home office, or a traveling employee at a hotel.

**Enhanced Enterprise Streaming Efficiency**

Video plays a dynamic role in improving communication and productivity across a corporation. In recent years, corporations have spent considerable time and resources planning for infrastructure to support complex and expensive streaming events. Infinite Enterprise makes video delivery within the corporation simple and efficient by eliminating all the tedious planning and facilitating successful global events without the need to deploy a single piece of hardware.

Unlike traditional video streaming solutions that send a stream for each end user, Infinite Enterprise can send a small number of resilient streams inside the corporate enterprise to serve thousands of viewers, reducing the amount of Internet bandwidth needed and protecting mission-critical corporate resources. This is achieved by leveraging a suite of multicast technologies including Simulated, Native, and AMT Multicast. The Infinite Enterprise client technology can pull data simultaneously from multiple sources, including participating viewer devices watching the same stream, to build a robust multipath video experience that is resilient to disruption and highly efficient. The efficiencies realized by Infinite Enterprise can reduce the bandwidth needs of an enterprise by up to 90%, helping facilitate large-scale webcasts without the interruption to critical business resources.

**Benefits to Your Business:**

- **Flexible and cost efficient** – Reduce enterprise webcast bandwidth requirements up to 90%.
- **Streaming quality that captivates workforces** – Ensure fast startups, limited buffering, and sustained streaming quality that keep employees engaged.
- **Global scalability and reach** – Engage large workforces across all corporate locations, including home offices and traveling employees.
- **Simplifies Complexity** – Eliminate enterprise video delivery complexity without deploying a single piece of hardware.

**Standard and Optional Features**

**Standard features**

- Accelerated Ingest
- Accelerated Client SDK
- Reporting
- Akamai Support

**Options**

- Domain Authentication
- Content targeting/Geoblocking
- Advanced Monitoring
- White Label Branding
How it Works

1. Akamai provides software to be installed on or next to the webcast encoder or origin and software to be integrated into the viewer application to ensure an accelerated and high-quality video stream end to end.

2. A standard encoder running Akamai software accelerates the streams over the first mile up into the Akamai stream acceleration network from anywhere in the world.

3. The Akamai servers apply a unique resiliency scheme to the data, allowing the client software to receive resilient components of the stream from multiple sources.

4. Akamai’s stream acceleration technology optimizes throughput using UDP and resiliency mechanisms.

5. A single resilient stream flow enters the enterprise and is distributed between several viewers.

6. Akamai’s client software, integrated into the video application running on the viewers’ device, pulls video data efficiently from the best available source to ensure a sustained quality viewing experience.

The Akamai Ecosystem

Akamai makes the Internet fast, reliable and secure. Our comprehensive solutions are built on the globally distributed Akamai Intelligent Platform™, and supported by Professional Services experts who get you up and running easily and inspire innovation as your strategies evolve.

Akamai is headquartered in Cambridge, Massachusetts in the United States with operations in more than 57 offices around the world. Our services and renowned customer care are designed to enable businesses to provide an unparalleled Internet experience for their customers worldwide. Addresses, phone numbers, and contact information for all locations are listed on www.akamai.com/locations.

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