MediaPlatform

MediaPlatform® Edge

Network Agnostic	**Secure Delivery**	**Flexible Deployment**

MediaPlatform® Edge – Enterprise Content Delivery Network

Edge Optimizes Corporate Network Bandwidth for Live and On-Demand Streaming while Using Existing Network Infrastructure Investments

MediaPlatform® Edge is a software or appliance-based solution for delivery live video and caching video on-demand that creates a pervasive video distribution solution – or enterprise Content Delivery Network (eCDN) – across the enterprise.

Edge is part of MediaPlatform's flexible, network-agnostic distribution approach which enables enterprises to leverage existing infrastructure, in addition to offering software-based solutions in combination with media server technologies, to address any kind of network reality and at the lowest possible cost for both live and on-demand video.

Key applications include:

- Deliver premium video experience that fully optimizes available network bandwidth across corporate wide area and local area networks and to off-net mobile users;

- Cost-effectively supplement other distribution technologies - including multicast and peering - at field locations with very limited network capacity;

- Ensure premium quality live webcasting experience to every employee, regardless of device or local connection, via layered, redundant distribution;

- Leverage your existing investments in mainstream manufacturer network WAN and WAN optimization technologies via VM-based deployment

Features and Benefits

Software Based Deployment – Edge can be deployed as a virtual machine (VM) on top of existing network hardware or appliances, including WAN optimization solutions like Riverbed, Cisco and other WANs.

Video-Optimized HTTPS Delivery – Edge is a cost-effective solution that is optimized for video exclusively and takes into consideration the unique properties of this content type in terms of how it is cached and prepositioned to streamline network traffic.

Intelligent Video Caching – Each Edge node is autonomous and strategically positioned on the network to serve as an edge cache for edge network locations where caching and pre-positioning is needed to provide optimal video quality with minimal network impact.

Content Pre-Positioning – Video can be pre-positioned on Edge nodes across the network to enable viewers to pull down video streams from the closest node, rather than having all users pull video from the origin server.

Byte Range Caching – For unsegmented video content, such as an MP4 file, Edge caches at the byte range level so that if a viewer watches only part of an MP4 video, only that part will be cached.

Automatic Routing Logic – Edge uses an intelligent, automatic routing logic which ensures that each end viewer pulls video from the appropriate edge node where video is cached.

Redundancy via MediaPlatform Unified Video Player – Edge uses the MediaPlatform Unified Video Player to detect when video cannot be pulled from a primary source, redirecting the player until a successful source - prioritized at the application level - is discovered.

Caching on the Fly – Edge nodes cache requested data being pulled from origin servers, caching only video and maintaining a list of the type of video formats it will cache.

Positive Cache Hit – Edge dynamically checks to see if the cache data matches video on the origin server. When it can't make a positive hit, (such as when a video has been updated) Edge redirects the viewer to pull the content from the origin server and fetches/updates the new content locally.

Direct Edge Node Administration – Edge provides an administrative UI where each edge node can be directly administered. This allows for the configuration of edge nodes and provides reporting and performance data for each edge node.

Video Delivery Formats	
HTTPS/HLS	
RTMP	
RTMFP	
HDS	
ABM	

Delivery Integrations	
Akami	Content Delivery Network
Ramp	HLS Multicast
Kollective	Peering
Hive	Peering
Peer5	Peering
Other	MediaPlatform Professional Services Integration

Licensing	
Per node	Annual

Product Specifications
MediaPlatform Edge is an Enterprise Content Delivery Network (eCDN) providing network-friendly caching, preposition and secure delivery of high quality live and on-demand video and live rich media webcast to desktops, tablets or mobile devices. Edge works seamlessly with all MediaPlatform's products and distributes video in multiple formats for optimized delivery of content. Available as Software, deployed on-premises on client hardware.