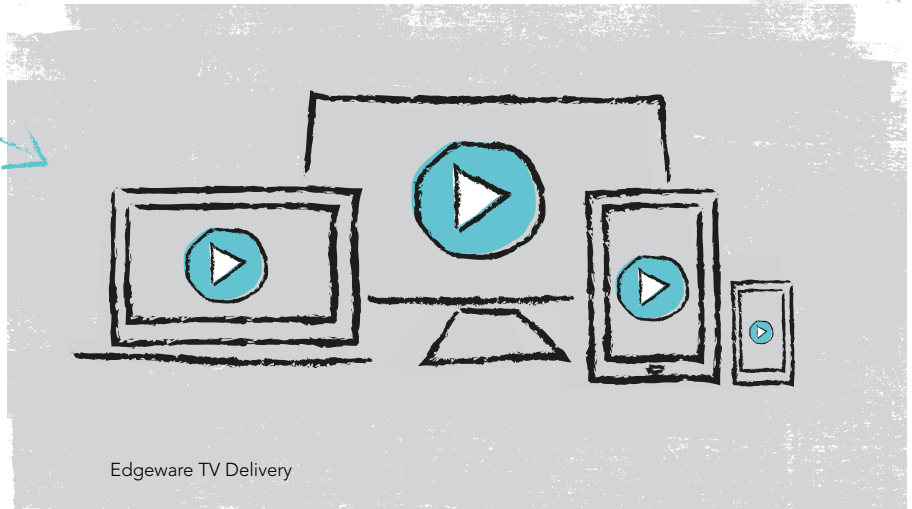


TV CDN PRODUCT PORTFOLIO

- TV Delivery SW
- TV Server 4020/4080
- TV Director
- Ad Stitcher
- TV System Manager
- TV Analytics
- Fast Channel Change



OPTIMIZED STREAMING AND CONTENT CACHING

Edgeware’s TV Delivery Software is designed for broadcasters, telcos, cable providers and TV content owners who want to control their own TV delivery networks. It distributes TV delivery closer to the viewer, meaning content caching and streaming are provided in the edge for best possible viewing experience. With an optimized storage architecture and intelligent routing policies, TV Delivery offers a highly scalable and hybrid CDN solution.

WHAT IT DOES

Edgeware’s TV Delivery software is used to build a distributed TV delivery system that provides a highly scalable TV CDN solution.

Distributing streaming and caching significantly reduces backhaul traffic – or third-party CDN costs. Storing popular content close to end viewers also reduces buffering and delays.

TV Delivery provides the following functions; session management including authentication of sessions, session and traffic control and creates analytics logs. Furthermore, back-end management, caching and content management and streaming are provided by the TV Delivery software.

KEY FEATURES & BENEFITS

- ✓ Dynamic edge cache optimized for distributed TV delivery holding popular content closer to the viewer
- ✓ Streaming platform for both OTT TV and IPTV* supporting VOD, live and time-shift services
- ✓ Supporting all ABR formats HLS, DASH, MSS
- ✓ Content propagation in hierarchical cache architectures minimizing storage need
- ✓ Enforcing routing policies from TV Director for an optimized TV delivery
- ✓ Supporting TS2HLS and HLS2TS features enabling one single copy - either HLS or TS format - to be played on both IPTV and OTT clients which saves up to 50% storage
- ✓ Ideal in both central and edge deployments

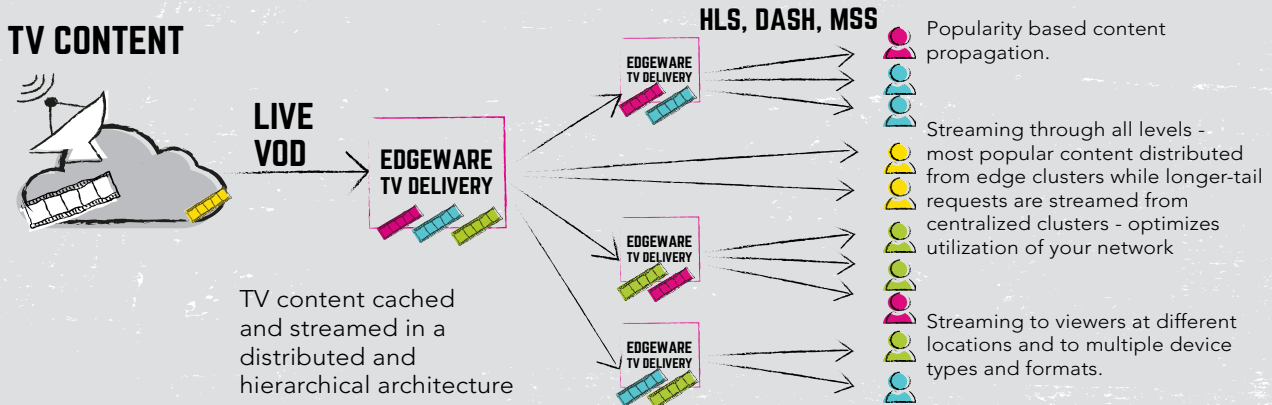
HOW IT WORKS

1. Requests from client devices are directed to the TV Delivery servers most optimized for streaming that particular content.
2. The routing policies enforced by the TV Director on the TV Delivery software are based on server load level and content availability.

Examples of routing policies the TV Delivery software can include are client location, server load level and time & date.

3. TV content is streamed to the client device in the requested format and bitrate.

* Only supported on 4020/4080 TV Server



HOW TO DEPLOY

The TV Delivery software offers multiple deployment options for various deployment scenarios and customer preferences. Deployments can be made on standard computing platforms (COTS), on Edgware 4020/4080 TV servers or in the cloud.

The TV Delivery Software is easily deployed and configured on COTS HW to temporarily boost streaming capacity for peak traffic demands.

TECHNICAL DATA / SPECIFICATIONS

SW FEATURES
OTT TV (HTTP/S)
IPTV (RTSP*)
Multiple certifications and hosts
Immediate streaming
SD, HD, 4K, Virtual Reality TV
Live, VOD, time-shift TV
Ingest content
Session handling with token security
On-the-fly repackaging and encryption
Dynamic Ad Insertion
Backend selector (load balancing, cache partitioning and advanced fail over)
Security and redundancy
IPv4, IPv6 and IGMPv3
Precalculated bandwidth sessions
Configurable limitations avoiding overload

VOD UDP RET*
CORS/Chromecast
Apple TV
Popularity based content propagation and caching
Content aware clustering with configurable performance vs redundancy
External origin support
HLS, MPEG-DASH, MSS

SYSTEM HW / SW
Linux RHEL 7
COTS, cloud, 4020/4080 TV Server
HTTP/TCP, RTSP/UDP, HTTPS
FTP, IPTABLES, SNMP, SSH, TLS 1.0**/1.1**/1.2

* Only supported on 4020/4080 TV Server

** Only supported on virtualized TV Server

FOR MORE INFO ON RELATED PRODUCTS, PLEASE SEE:

- [TV Director Data Sheet](#)
- [4020/4080 TV Server Data Sheet](#)