MPEG-DASH: The Global Standard for Media Streaming

Supporting today’s variety of multiple proprietary streaming formats across a wide array of viewing devices increases content preparation time and cost. A broadly adopted standard industry format can remove these challenges, and help drive adoption of online/OTT streaming. That standard is MPEG-DASH.

Dynamic Adaptive Streaming over HTTP (DASH), developed under the Moving Picture Experts Group (MPEG), is an open international standard for the delivery of HTTP-based adaptive bitrate streaming media. MPEG-DASH was ratified as ISO/IEC 23009-1 in February of 2012. MPEG-DASH holds the promise of simplifying streaming media delivery to the ever-expanding array of viewing devices. Akamai Technologies is proud to be a founding member of the DASH Industry Forum, the leading industry consortium focused on promoting market adoption of MPEG-DASH.

Industry organizations adopting DASH include 3GPP, DLNA, OIPF, HbbTV, DECE, DTG and W3C. In addition, MPEG-DASH has been adopted by both Microsoft and Adobe as their forward-looking streaming format, and with support from DASH Industry Forum members such as Cisco, Dolby, Ericsson, Intel, Netflix, Qualcomm, Samsung and others, it offers a real opportunity for long-sought convergence in streaming media delivery.

Akamai’s Media Delivery Solutions support the delivery of MPEG-DASH formatted content today for both live and on demand streaming.

Additionally, in the case of a live event, MPEG-DASH content can be directly ingested into the network. When leveraging the Adaptive Media Player for content playback content owners benefit from a full end-to-end MPEG-DASH enabled workflow.

Key Features of MPEG-DASH

- Common encryption
- Multi-language and multi-format late-binding audio
- Templated manifests
- Efficient delivery from non-segmented origin files
- Efficient advertising insertion
- A vibrant ecosystem of encoders and player builders

MPEG-DASH adopts the best features of today’s multiple streaming formats, and combines them into a single, broadly supported format. Akamai is proud to be spearheading this effort to simplify online media streaming."

— Will Law, Principal Architect for Media Streaming, Akamai Technologies and Secretary, DASH-IF

For additional information about Akamai’s participation in MPEG-DASH, and Media Solution support for the new format standard, visit http://www.akamai.com/html/ms/mpeg_dash.html, or email dash-info@akamai.com

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