

# Upgrade to Wowza Streaming Engine

Take advantage of all that Wowza Streaming Engine has to offer by upgrading to the latest version. The following table highlights some of the key features now included in Wowza Streaming Engine.

Feature	Wowza Media Server™	Wowza Streaming Engine™ (4.2)	Description
Wowza Transcoder	Premium AddOn	✓	Wowza Streaming Engine includes <b>unlimited use of Wowza™ Transcoder</b> , a real-time video transcoding and transrating solution.
Wowza DRM	Premium AddOn	✓	<b>Wowza DRM</b> protects your live or VOD stream with on-the-fly DRM encryption.
Wowza nDVR	Premium AddOn	✓	<b>Wowza nDVR</b> includes the ability to pause, play, and rewind a live video stream.
Support for the latest codecs (H.265/HEVC, VP9, Opus, etc.)		✓	Wowza Transcoder supports the latest codecs—including H.265, VP8, VP9, Opus, and Vorbis—for decoding and re-encoding.
Support for DASH and WebM formats		✓	<b>Full support of MPEG-DASH</b> , the standard intended to streamline the delivery of video to any device, is now included. Wowza Streaming Engine also supports the direct WebM packetizer, which enables single-bitrate streaming of WebM over HTTP.
REST API		✓	The REST application programming interface (API) can be used to manage, configure, and monitor the media server with HTTP requests.
Browser-based management and monitoring		✓	Configure, manage, monitor, and measure video and audio streams from a computer, tablet, or phone using the browser-based <b>Wowza Streaming Engine Manager</b> .
Live encoder and IP camera integration		✓	Support for Axis and Sony IP cameras, with ongoing maintenance to add new incoming publishers. Also see the pan/tilt/zoom (PTZ) section below.
Stream publishing for distributed delivery		✓	Configure live stream publishing using Wowza Streaming Engine Manager instead of using XML and a “map” text file. Expansion of the Wowza Akamai certification adds support for Apple HLS and Adobe HDS to complement existing Flash RTMP support.
Secure token authentication	✓	✓	Get content link protection through time-sensitive dynamic changes.
Load balancing	✓	✓	Maintain quality and performance through high availability in a distributed environment by balancing the client (end user) load effectively across multiple servers.
DRM over CENC (Common Encryption)		✓	Enable <b>digital rights management (DRM)</b> content protection using CENC over MPEG-DASH for Google Widevine and Microsoft PlayReady.
Pan/tilt/zoom (PTZ)		✓	PTZ integration enables you to visually control a source (IP camera) through Wowza Streaming Engine Manager.
MediaCache for VOD	Module	✓	<b>MediaCache</b> is a built-in feature for scaling of video-on-demand streaming and can be configured in Wowza Streaming Engine Manager.
Caption enhancements		✓	Integrate <b>closed captioning</b> into streaming video content to make online video accessible to a broader audience and to allow publishers to comply with the FCC’s 21st Century Communication and Video Accessibility Act of 2010.

