There are four ways that Wowza Streaming Engine™ media server software can leverage the Wowza CDN™ edge network in the Wowza Streaming Cloud™ live streaming service to scale and add flexibility to live-streaming workflows:

- Stream directly to a Wowza CDN endpoint
- Stream to an existing Wowza CDN target in Wowza Streaming Cloud
- Stream to Wowza Streaming Cloud for transcoding and delivery over the Wowza CDN edge network
- Stream to a Wowza Streaming Cloud ultra low latency target for delivery over the Wowza CDN edge network

Wowza CDN workflows

Stream directly to a Wowza CDN endpoint

The easiest and most common way to use Wowza CDN is to send a single-bitrate or transcoded multi-bitrate live stream from Wowza Streaming Engine to a Wowza CDN on Akamai endpoint over HLS. All you need is Wowza Streaming Engine 4.7 or later and a Wowza CDN™ or Wowza Streaming Cloud™ subscription, and you can configure everything from Wowza Streaming Engine Manager. Because it uses globally distributed resources and HLS delivery, Wowza CDN allows you to cost-effectively scale your Wowza Streaming Engine broadcast to larger, broader
audiences with reduced latency and greater reliability.

**Note:** If you're using an earlier version of Wowza Streaming Engine (versions 4.3 to 4.6), you can't configure everything from Wowza Streaming Engine Manager. Instead, you must configure a Wowza CDN HLS stream target in Wowza Streaming Cloud and then use it to send a stream from Wowza Streaming Engine to Wowza CDN. See [Stream from Wowza Streaming Engine to an existing Wowza CDN target in Wowza Streaming Cloud](#).

**Stream to an existing Wowza CDN target in Wowza Streaming Cloud**

If you've already created a Wowza CDN on Akamai - HLS stream target in Wowza Streaming Cloud (or you're using Wowza Streaming Engine 4.3 to 4.6), you can also leverage the Wowza CDN edge network by sending single-bitrate or transcoded multi-bitrate live streams to an existing stream target. With Wowza Streaming Engine 4.3 or later and a Wowza CDN or Wowza Streaming Cloud subscription, you can generate a new connection code for the stream target and use it to configure Wowza Streaming Engine to send the stream to Wowza CDN.

**Stream to Wowza Streaming Cloud for transcoding and delivery over the Wowza CDN edge network**
If you have a Wowza Streaming Cloud subscription in addition to the Wowza Streaming Engine software, you can send single-bitrate live streams to the Wowza Streaming Cloud for transcoding and delivery to viewers over the Wowza CDN on Akamai edge network. This workflow allows you to use Wowza Streaming Cloud’s high-performance servers and high-bandwidth networks for the heavy-lifting of transcoding before delivering the stream to viewers over the Wowza CDN network.

Stream to a Wowza Streaming Cloud ultra low latency target for delivery over the Wowza CDN edge network

If you have a subscription to Wowza Streaming Cloud with Ultra Low Latency in addition to the Wowza Streaming Engine software, you can send a single-bitrate live stream to an existing Wowza Streaming Cloud ultra low latency target for delivery to viewers over the Wowza CDN edge network. This workflow allows you to use an a Wowza Streaming Engine live application configuration to deliver a stream to viewers with under three second latency.

More resources

For instructions on each of these workflows, see:
• Stream to Wowza CDN from Wowza Streaming Engine
• Stream from Wowza Streaming Engine to an existing Wowza CDN target in Wowza Streaming Cloud
• Use Wowza REST APIs to send a stream from Wowza Streaming Engine to a Wowza CDN HLS target
• Send a live stream from Wowza Streaming Engine to Wowza Streaming Cloud for transcoding
• Send a stream from Wowza Streaming Engine to Wowza Streaming Cloud for transcoding using Wowza APIs or Wowza Streaming Engine Manager
• Send a stream from Wowza Streaming Engine to an ultra low latency stream target in Wowza Streaming Cloud

For all workflows, you can customize Wowza CDN stream targets and see viewer data in Wowza Streaming Cloud. For instructions see:

• Protect a Wowza CDN on Akamai stream target with token authorization in Wowza Streaming Cloud
• Geo-block Wowza CDN on Akamai stream targets in Wowza Streaming Cloud
• Manage HLS playback over SSL in Wowza Streaming Cloud
• View usage for a stream target
• See viewer data for a stream target