

Deliver Real-Time Live Streaming on Ant Media Server with Zixi Integration

ULTRA-LOW LATENCY VIDEO WITH FULL ZIXI INTEGRATION

HIGHLIGHTS

ANT MEDIA SERVER (AMS) INTEGRATES ZIXI

AMS customers can now leverage Zixi protocol for delivery in to and out of Ant Media Server

KEY FEATURES

- AMS supports live Zixi sources with improved resilience, security, performance and control
- Ultra-Low Latency real-time streaming takes Zixi protected streams and delivers via a scaled WebRTC network
- Full WebRTC stack, including SFU, MCU and Data Channel
- Auto scale clustering architecture supports WebRTC connections to hundreds of thousands of simultaneous viewers

REAL-TIME VIDEO STREAMING AT SCALE VIA LOW LATENCY AND ROBUST GLOBAL CONNECTIONS

Ant Media Server has integrated the Software-Defined Video Platform (SDVP) to ingest live streams delivered using the industry proven Zixi protocol which means that AMS users can connect to a wide range of broadcast-quality live sources and take advantage of premium features such as:

- Enhanced stream resilience with congestion aware routing and patented dynamic forward error correction (FEC)
- Up to 40% more efficient network utilization
- Quality optimized delivery with content aware bandwidth shaping
- Industry leading security including DTLS connection security and content encryption

UTILIZING ZIXI TECHNOLOGY TO ENSURE ROBUST, RELIABLE, HIGH-PERFORMANCE IP DELIVERY

Ant Media Server (AMS) helps enterprises such as ed-tech, gaming, e-auction services, broadcasting TV stations, security or surveillance companies, and mobile app developers who require live video streaming infrastructure to build live video conferencing, webinar or mass broadcast and monitoring application solutions.

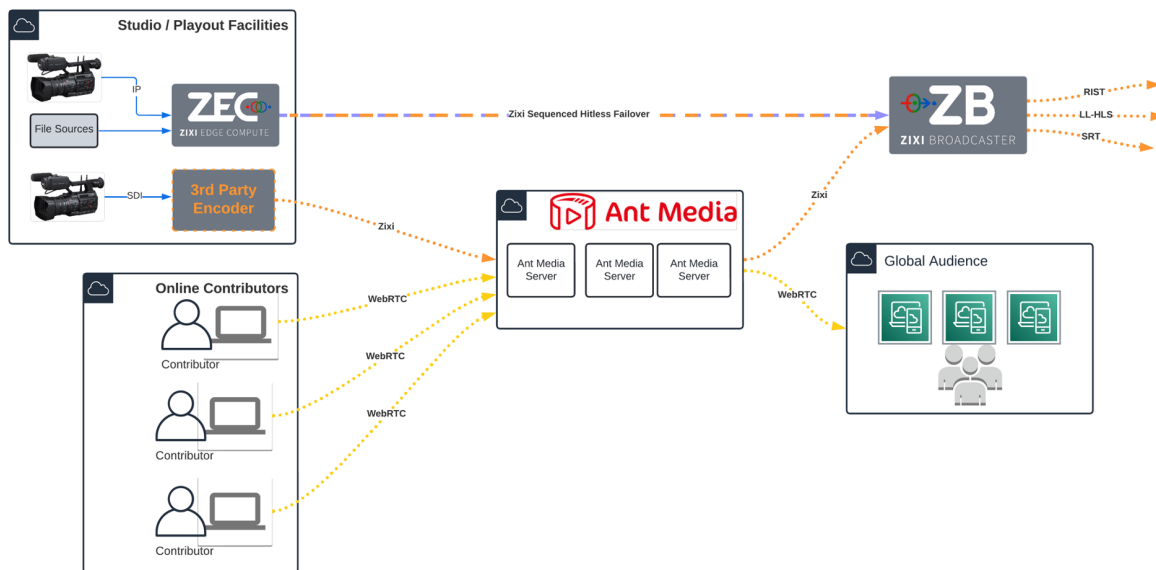
AMS is a streaming engine that can now ingest high performance Zixi enabled live sources and provide adaptive, ultra low latency streaming by using WebRTC technology with ~0.5 seconds latency. AMS is highly scalable both horizontally and vertically. It can run on-premise or on-cloud. Scale number of publishers and viewers easily with auto-scale cluster. AMS supports millions of viewers and streams under 0.5 seconds of latency.

In addition to leveraging Zixi sources, users can now also publish AMS streams out to the Zixi Software-Defined Video Platform (SDVP), supporting a deep integration between AMS and SDVP. This unlocks powerful workflows including advanced GPU accelerated live transcoding, Zixi patented sequenced hitless failover, connection bonding over disparate networks, purpose built live operations dashboards, enhanced visualization and centralized management of live channels.

LEVERAGING ZIXI AND WEBRTC ENABLES LOW LATENCY GLOBAL DELIVERY AT SCALE

With integrated Zixi Protocol support, Ant Media Servers have access to the industry leading performance, efficiency, security and reliability that the SDVP enables. By leveraging the combined AMS and SDVP, users have access to high performance, scalable live video distribution:

- AMS Real-time streaming engine delivers content to millions in 0.5 seconds latency
- Bonded Delivery: Combines disparate topologies including 5G, LTE, Leased Lines and Unmanaged Internet, dynamically adjusting for fluctuating bandwidth, network congestion, packet loss and latency differences
- Significantly lower egress bandwidth requirements with content aware stream optimization, lower overhead dynamic error correction and congestion aware video routing
- Sequenced hitless failover, an improvement on SMPTE 2022-7, applies Zixi optimized alignment algorithms to re-create a single coherent uninterrupted stream out of multiple stream fragments
- Content Encryption: Secure content with End-to-end strong AES-256 content encryption
- Session Security: Manage Access with Session Establishment Whitelisting & Password Protection
- Connection Validation: Confidently Delivery with Zixi Exclusive DTLS Secure Certificate Validation & Strong Cipher Protection
- Ultra-Low Latency Live Transcode, multiplexing and ABR stream packaging transforms camera feeds in flight to match target destination requirements.



ABOUT ANT MEDIA

Ant Media provides ready-to-use, scalable real-time video streaming solutions for live video streaming needs. Based on customer requirements and preferences, it enables live video streaming solutions to be deployed easily and quickly on-premises or on public cloud networks such as AWS, Azure, Linode, Alibaba, Digital Ocean, Vultr or OVH. Ant Media has been serving to a significant and growing number of customers in 120+ countries all around the world for 4 years. Customers from segments such as Educational Institutions, Live Auctioneers, Radio and TV Broadcasters, Enterprises, Service Providers, Governments Agencies, Gaming Companies and Mobile/Web App Developers enhance their business by using Ant Media Server and benefiting from its capabilities.

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ABOUT ZIXI

Zixi provides a cloud based and on-premise Software-Defined Video Platform that enables reliable broadcast-quality video delivery over any IP network, any protocol, any cloud provider and any edge device. Over 10+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 200 OEM and service providers with whom Zixi serves well over 700 customers representing most of the top media brands around the world with 10,000+ channels delivered daily.

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