

Red5 Pro Server Adopts Industry Leading Zixi Enabled Network

SECURE AND RELIABLE LIVE VIDEO TRANSPORT AVAILABLE ON RED5 PRO PRODUCTS

HIGHLIGHTS

RED5 PRO SOLUTIONS WITH ZIXI INTEGRATION:

Enable live video contribution to Red5 Pro servers from Zixi software and the global ecosystem of Zixi Enabled Network devices.

KEY BENEFITS:

- **Open Source:** Utilize client-side video streaming SDKs to build native and browser-based applications with real-time, hardware accelerated video publishing and playback on iOS, Android and HTML.
- **Customization:** Utilizing Red5 Pro's open APIs and Modules, users can create their own logic for transcoding, image detection, robust security implementations, connect IP camera, IoT devices and more.
- **Cloud Agnostic:** Utilize any cloud provider for content distribution and expand on customer's tenants such as AWS, Oracle, GCP, Azure, Digital Ocean, and Linode increasing coverage, reliability and performance.
- **Low Latency at Scale:** Supports WebRTC to deliver fast, reliable and high-quality streaming with sub-second latency to millions of users.

MAKE "WOW" MOMENTS IN REAL TIME WITH ULTRA LOW LATENCY VIDEO STREAMING

With its open-source roots to its current XDN ecosystem, Red5 Pro has been accelerating how people connect, learn and play. Its custom, real-time and interactive streaming solutions for diverse industries such as sports, education, surveillance and security enable scalable content distribution that powers the experiences for the emerging metaverse and beyond. Utilizing Red5 Pro's WebRTC video streaming platform, users can ingest Zixi enabled live sources and create interactive live streams while avoiding live event spoilers which is made possible by sub-500 millisecond latency. Red5 Pro solutions are highly customizable where customers can build their own server-side logic, deploy offline or in their own data centers and can integrate IP cameras and other streaming devices directly into the platform. It also allows users to build real-time video streaming apps for HTML5, Android and iOS that create unique interactive experiences that their audiences demand.

RED5 PRO'S VIDEO STREAM PLATFORM DELIVERS ULTRA LOW LATENCY CONTENT AT SCALE

The Zixi integrated Red5 Pro server platform enable users to contribute and deliver high quality streams with end-to-end encryption while auto scaling across various device types and cloud providers. Red5 Pro provides access to video streaming orchestration tools that allows users to skip the CDN, deploy auto scaled clustering on any public or private cloud provider, online or offline that supports millions of streams under 500 milliseconds of latency. Red5 Pro's Zixi addition 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. This enables users to serve new and wide range of applications such as eSports, Broadcast, Online gambling, Live auctions, Government and the world of IoT.



THE ZIXI ENABLED NETWORK IS LEVERAGED BY RED5 PRO FOR LIVE CONTRIBUTION

Secure and Reliable video transport with Zixi available in Red5 Pro servers

With the integration of the industry leading and Zixi's award-winning Software Defined Video Network (SDVP) and the Zixi Enabled Network ecosystem of integrated devices, Red5 Pro media servers can natively receive a wide range of broadcast quality content reliably and securely over managed or unmanaged networks. There is no additional conversion required to receive and process content which reduces complexity and increases efficiency resulting in overall dramatically improved performance of the Red5 Pro platform.

Users contributing content using the SDVP will benefit from its patent pending video over IP technology proven with 15+ years of experience delivering premium content and trusted by over 1000+ media companies to transport live video anywhere in the world. By leveraging the combined Red5 Pro servers and SDVP, users have access to high performance, scalable and cloud agnostic live video distribution platform and benefit from unique features such as:

- **Low Latency**
Red5 Pro's interactive streaming solution delivers content globally in 500ms sub second 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
- **Network Efficiency**
Reduces egress costs up to 30% - 50% when compared to other protocols
- **Compute Efficiency**
Reduces compute costs up to 50% by utilizing highly efficient ARM based processors
- **Connection Validation**
Industry leading security including DTLS connection security and content encryption
- **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
- **Reliability**
Enhanced stream resilience with congestion aware routing and patented dynamic forward error correction (FEC)
- **Quality Optimized Delivery**
Quality optimized delivery with content aware bandwidth shaping

ABOUT RED5 PRO

From their open-source roots in 2005 to the current XDN ecosystem, Red5 Pro has been on a mission to accelerate how people connect, learn, and play. With custom real-time interactive streaming solutions for industries as diverse as sports, education, and surveillance and security, Red5 Pro is a proven partner for creating scalable workstreams that power experiences for the emerging metaverse and beyond. With Red5 Pro's WebRTC video streaming platform, you can create interactive live streams and avoid live event spoilers with sub-500 millisecond latency. Send fully encrypted, high quality streams with automatic scaling across all devices.

www.red5pro.com

ABOUT ZIXI

Zixi provides the 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 15+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 400+ OEM and service providers with whom Zixi serves well over 1,000+ customers representing most of the top media brands around the world with 20,000+ channels delivered daily, with 110,000 deployed instances in over 120 countries, gathering over 9 billion data points a day while delivering over 100,000 live sporting events a year.

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