

# ZIXI-INTEGRATED CLOUD-BASED MONITORING SERVICE

TELESTREAM LEVERAGES ZIXI TO OFFER END-TO-END CORRELATED STREAM HEALTH & PERFORMANCE ANALYSIS

## AT A GLANCE

### TELESTREAM SOLUTIONS WITH ZIXI INTEGRATION

- **Telestream Cloud Stream Monitor** - A cloud SaaS service that dynamically deploys comprehensive Zixi enabled transport stream monitoring and OTT stream edge monitoring in AWS, Azure, Google Cloud, Oracle Cloud and IBM Cloud public data centers

### KEY FEATURES

- **End-to-End Monitoring** – Actively monitor video from contribution feeds all the way to the network edge
- **Ad Tracking** – Validate policy compliance with SCTE-35 and ensure propagation of DAI ad signaling
- **Stream Analysis** – Measures transport streams, variant availability, CDN performance, compression quality, stream compliance, impairments and more.
- **Open API** – Integrated Open API REST endpoints to programmatically spin up/shut down monitoring infrastructure, gather stream performance metrics, identify and respond to alarms and scale out visibility on demand.
- **Pay-As-You-Go** – Pay only for what you use and scale your monitoring environment on-demand to swarm problem streams with robust analytics.
- **Worldwide Coverage** – Instant access to over 70 geographically diverse monitoring locations around the world.

## CLOUD SERVICE'S VISIBILITY CHALLENGE

Content and service providers are increasingly leveraging cloud services for live video processing and distribution. However, unlike traditional broadcasting systems, these general-purpose cloud platforms do not provide comprehensive visibility into the health and performance of their video streams, both going in to and originating out of the cloud. With Telestream Cloud Stream Monitor's end-to-end monitoring solution, media companies and service providers can monitor and analyze their Zixi transport stream deployments across the delivery supply chain.

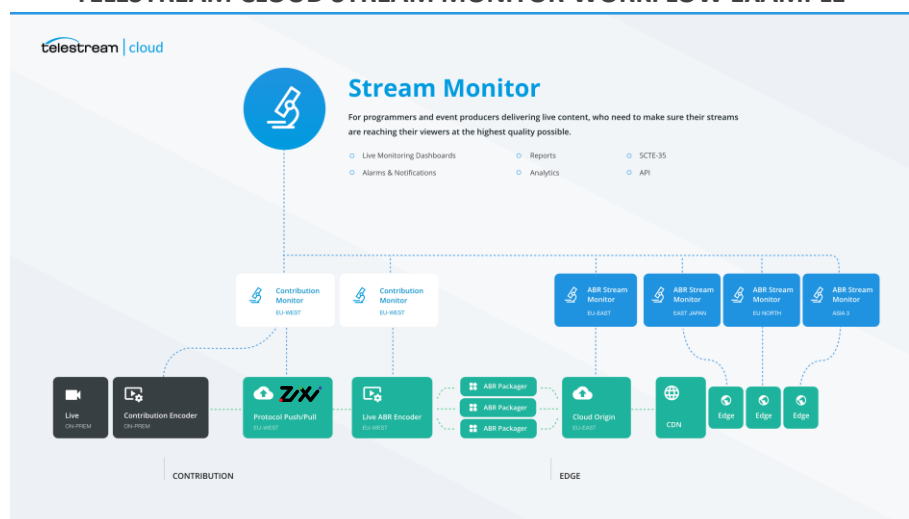
## END-TO-END CORRELATED STREAM HEALTH & PERFORMANCE MONITORING WITH CLOUD STREAM MONITOR

Telestream Cloud Stream Monitor delivers previously unavailable insights into the health and performance of video services that are leveraging public cloud resources to route, transform and deliver video. The monitoring service can be deployed in almost any public cloud region, delivering real-time stream monitoring in over 70 global regions. Users can gain end-to-end actionable intelligence, measure the health of mezzanine cloud contribution feeds, and identify impairments impacting audience engagement at the CDN edge.

With Cloud Stream Monitor, users can monitor Zixi transport streams from cloud ingest to egress and out to the streaming edge. This means that content providers using Zixi to deliver live contribution feeds from on-prem facilities to cloud origin and re-distribution services can now see live audio/video analysis, delivery performance and channel health across the delivery chain.

In addition, OTT/ABR streaming assets produced from the contribution feeds can also be wrapped in a comprehensive live analysis monitoring layer, providing correlated insights in to stream health, propagation of ad signaling, quality assessments, alerts for audio/video impairments and CDN edge performance.

## TELESTREAM CLOUD STREAM MONITOR WORKFLOW EXAMPLE



# CORRELATED END-TO-END VIDEO MONITORING

## KEY ZIXI BENEFITS

- **Reliability** – Contribute source streams with 99.999+% broadcast reliability with hitless failover provides redundant transmission options for higher reliability and disaster recovery
- **Ultra-Low Latency** – With network adaptive Forward Error Correction and recovery, proven ultra-low latency
- **Interoperability** – Zixi is compatible with the largest ecosystem of encoding/decoding devices and SaaS platforms
- **Centralized Management** – Zixi's ZEN Master can provide a centralized view of the entire Zixi enabled contribution and distribution network
- **Security** – Zixi provides best-in-class security enhanced with DTLS and AES standards-based protection, and SSO to manage large teams of users

## INTEGRATION WITH ZIXI SOFTWARE-DEFINED VIDEO PLATFORM

Telestream's Cloud Stream Monitor dynamically provisions monitoring for Zixi feeds as a pull from a Zixi Broadcaster or as a cloud hosted Zixi push receiver and also ties directly in to Zixi feeds delivered via AWS MediaConnect. Zixi SDK metric data is integrated into the Cloud Stream Monitor KPIs for a single pane-of-glass monitor. Customers using Zixi's ZEN Master control plane can leverage Telestream Cloud Stream Monitor for third party QoS verification across any part of the workflow.

To use this integration, there is no additional Zixi licensing required. Telestream Cloud Stream Monitor includes everything needed to connect to existing Zixi contribution feeds at the point of cloud ingress or egress. Customers can get started using the service to monitor existing Zixi feeds across a variety of cloud regions by simply creating a Telestream Cloud account at:

<https://cloud.telestream.net/console/signup>

## COMBINING ZIXI'S REALTIME ACTIONABLE ANALYTICS WITH KPIs COLLECTED BY CLOUD STREAM MONITOR

Zixi's metrics provide real-time actionable analytics on how the contribution feed is being delivered. By combining this data with the KPIs collected by the Telestream Cloud Stream Monitor, service providers can gain insights into where problems are being introduced, how those issues may be impacting its downstream delivery, and can even help predict where problems may be introduced if conditions do not improve.

## ABOUT TELESTREAM

For over 20 years, Telestream® has been at the forefront of innovation in the digital video industry. The company develops products for media processing and workflow orchestration; live capture, streaming, production and video quality assurance; and video and audio test solutions that make it possible to reliably get video content to any audience regardless of how it is created, distributed or viewed. Telestream is privately held with corporate headquarters located in Nevada City, California and Westwood, Massachusetts

More information about Telestream can be found at [www.telestream.com](http://www.telestream.com).

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## ABOUT ZIXI

Zixi provides a cloud based and on-premise Software-Defined Video Platform that enables the management, orchestration, monitoring, and delivery of broadcast-quality live and live linear video over any IP network for broadcasters, enterprises, over-the-top video providers, and mobile service providers around the world. Over 10+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 250 OEM and service providers with whom Zixi serves well over 700 customers representing most of the top media brands around the world with 20,000+ channels delivered daily. <https://zixi.com/>

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## CLOUD STREAM MONITOR DASHBOARDS

