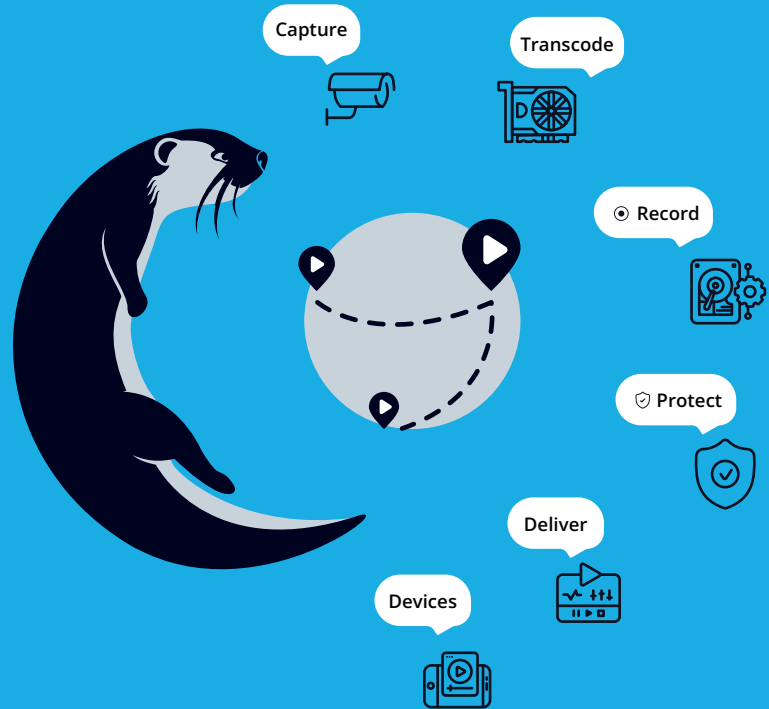


Aonyx Media Server



Otter Video

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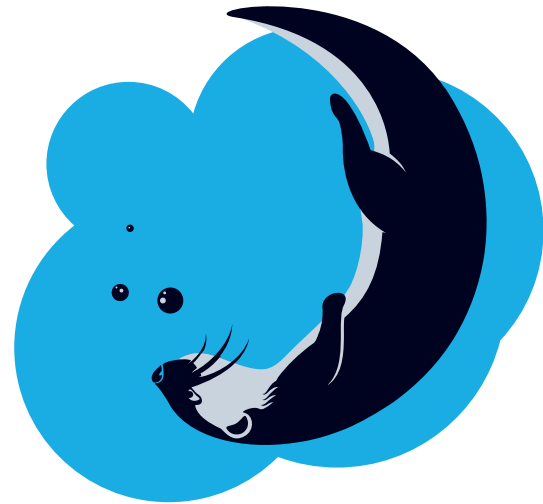
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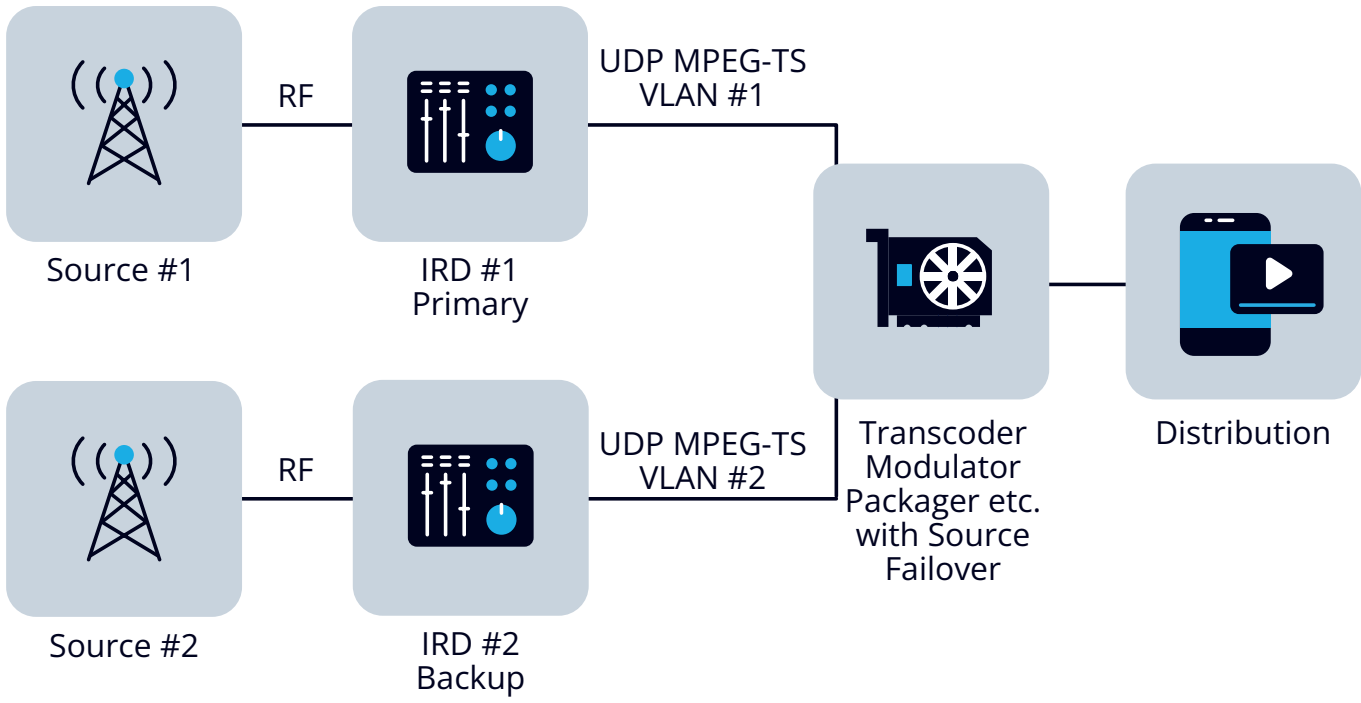


Aonyx Media Server: Your Guardian Angel for IPTV Streaming

The unique system that continuously monitors the UDP multicast output of any MPEG-TS generating equipment, instantly substitutes the source signal when it's lost, and smoothly reverts to standby mode once the source signal is restored.

*Experience peace of mind
with your IPTV streaming network*





The Challenge of Building Redundancy: The Aonyx Solution

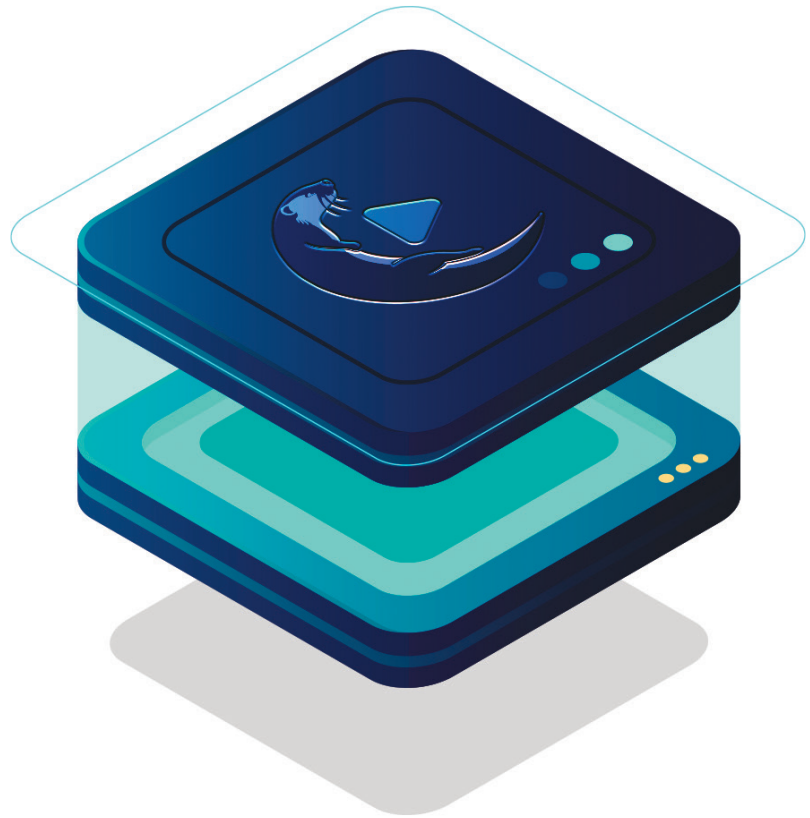
Traditional Approach and Its Complications

To mitigate the risk of a device generating UDP MPEG-TS streams failing, a source failover redundancy scheme is configured on the downstream equipment, often leveraging backup secondary sources. To maintain signal consistency, headend engineers typically establish multiple independent VLANs or subnetworks, each delivering identical multicast streams from different sources.

However, this traditional approach can be both costly and inefficient. Having a N+N redundancy scheme for the signal origin equipment is mandatory to ensure uninterrupted availability of backup streams and a steady data flow in the source stream multicast. These complications significantly increase overhead and resource requirements, while not always guaranteeing optimal performance.

Introducing Aonyx Media Server

Otter Video offers an ingenious affordable solution to these challenges — the Aonyx Media Server. This server is universally compatible with all your header equipment, including those generating multicast MPEG-TS streams, whether MPTS or SPTS

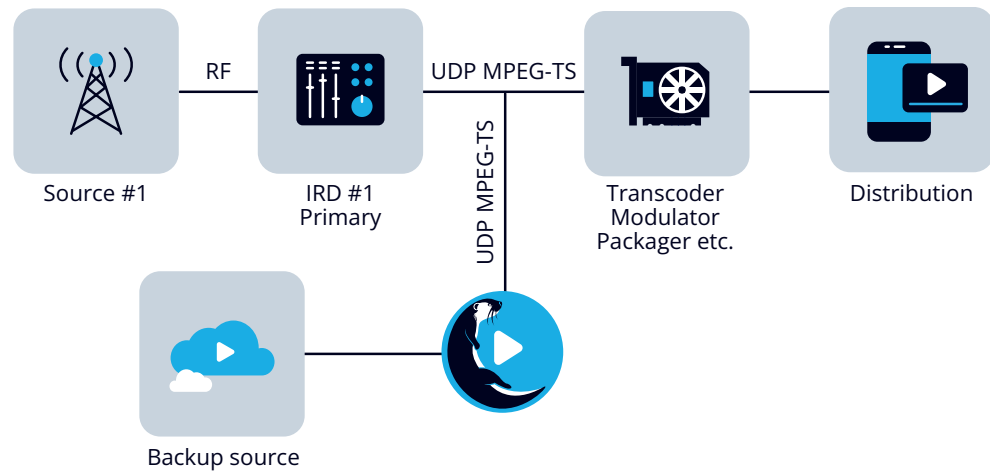


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Adaptive and Responsive Solution for Multicast Networks

The Aonyx Media Server is designed to constantly monitor a multicast group on your video network. When it detects a lack of data in a particular multicast stream, the server interprets this as a failure of the primary equipment. It promptly begins transmitting video to the affected multicast group.

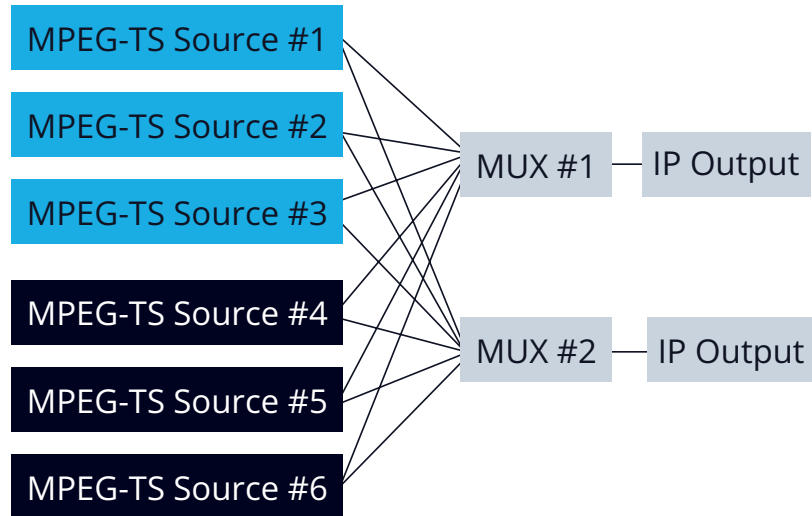
When the primary source's signal reemerges in the multicast network, Aonyx ceases its transmission and reverts to standby mode.



Ensure a Smooth Transition with Aonyx

Equipped with a built-in MPTS multiplexer, the Aonyx Media Server allows you to configure an exact replica of your original stream inclusive of program and PID names, PAT, PMT, SDT tables, and other essential MPEG-TS stream parameters.

This built-in feature ensures a smooth transition, enabling the downstream devices to continue processing video without delay.



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Versatility in Source Input: A Stand-By Backup for Any Multicast Source

The Aonyx Media Server has a flexible input range and can ingest any type of live and pre-recorded video, regardless of format, codec, or protocol.

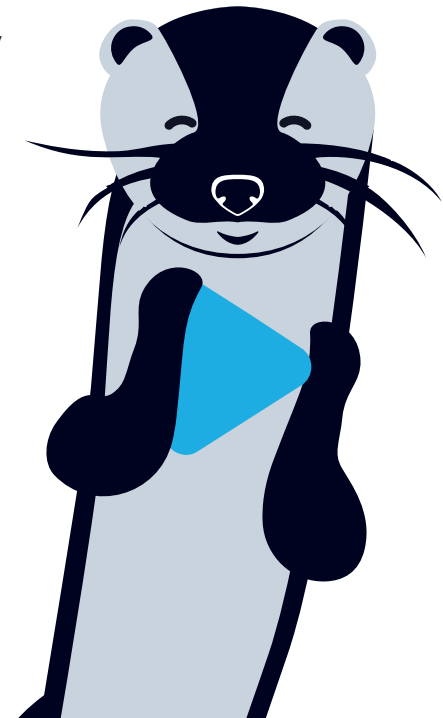
Consequently, the failed primary source can be replaced with its duplicate, received from a different medium (e.g., the primary comes from DVB-S2, and Aonyx receives the same stream over IP or SRT). Alternatively, a placeholder video can be deployed in the absence of the original stream.

Input formats
UDP Multicast
RTMP, RTSP
File (.mp4)
HLS, WebRTC
SRT
and many others

A Universal Backup for Your Headend Equipment

The Aonyx Media Server operates as a reliable stand-by backup for any multicast source. It supports a wide range of headend equipment, including Harmonic, Appear, WISI, Elemental, Ateme, Sumavision, and many others, without any operational interference.

This server integrates seamlessly into your video network, quietly anticipating and mitigating equipment failures to ensure your IPTV streaming operation is uninterrupted.



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Aonyx Media Server Hardware Support

CPU architecture

- X86
- ARM64
- Risc

8VSB/ATSC/DVB/ISDB input and output

- TBS
- DD
- Hauppauge
- Dektec

Transcoding

- CPU
- Intel Media SDK
- NVIDIA GPU
- NVIDIA Jetson

SDI/ASI/HDMI input and output

- Blackmagic decklink
- Magewell
- Dektec
- AJA

**With the Aonyx Media Server,
enjoy peace of mind knowing
your IPTV streaming network
is protected.**

Get started today!

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