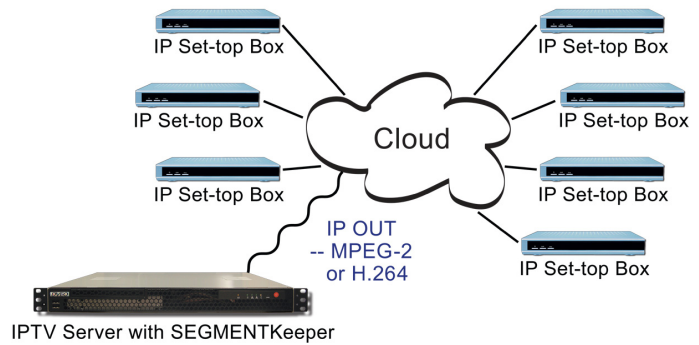


# SEGMENTKeeper™: IPTV

**Extra Large Segment Buffer for STB IPTV Implementations. Scalable IPTV Multimedia HTTP Relay-Server and Adjustable Segment Buffer with Appropriate Video Segment Buffering and Authentication for 10000+ Users. Designed for Easy Integration with your IPTV Middleware using our Built-in MySQL Database Running in Conjunction with Any Other Application. Developed in 2012 Under Contract for a "Very Large Private Yacht" where Content Segmentation was Deemed Optimal. We do own this IP.**



## Features

- Ingests 1-80 live streams
- Designed for live or buffered TV applications with custom content persistence requirements
- Supports REST and SOAP
- Supports 2 Virtual Machines
- Can Host application and middleware in PHP, ASPX, or Tomcat
- An Intel® Xeon® can support 1,000+ users
- Can deliver streams at .1 to 8 Mbps from on board buffers
- Billing, subscriber management, enhanced caching, and multi language support available via MICRO middleware from us.
- Designed to handle FULL SCREEN targets or MOBILE devices
- Requires Very Good Bandwidth
- Supports Verimatrix® VCAS™, AES128, and other CP
- Scales well to very large implementations

## Some Features We Support or Will Support:

- Play/Resume - Start a program/movie from the beginning or resume after temporarily stopping the show
- Stop - Temporarily or permanently stop the program
- Pause - Freeze the picture
- Jump forward - Jump to a particular time in the video in a forward direction
- Jump backward - Jump back to a particular time in the program
- Fast Forward (FF) - Browse through the movie in the forward direction
- Slow Down - Going forward at a lower rate than normal but with picture and sound
- Reverse - Playing the movie in the reversed direction with picture and sound
- Fast Reverse - Browse the presentation in the backward direction with picture and sound at a faster speed than standard reverse
- Slow Reverse: Go backward at a slower speed, with picture and sound

## Overview

The SEGMENTKeeper is a Media Server for HLS clients. It is able to provide Catch up TV to many viewers, allowing the end user to rewind a live stream back in time then forward to live. Output URLs are easily adjustable from the Segment Keeper, making it possible to manually set where in time you want to play the live channel, or with easy integration use a custom player for more control.

## Major Features

- HTTP/HLS: Ingests, buffers, and serves live HLS using a buffer of any size (1-30 days). This huge HLS buffer is served to 10,000+ simultaneous users, each user with selectable time delay of playback... Allows user to play segments of any show from any day in the past.
- HTTP/VOD: Serves MP4 and FLV files to 10,000 simultaneous users. Ideal real time "Trick Play" server for serving podcasts, etc.
- HTTP/PROGRESSIVE: Acts as an HTTP Progressive Server to 10,000 simultaneous users by relaying content via any network input protocol: HLS, RTMP, RTSP, UDP, and RTP. Supports PS, FLV, TS, Ogg, ASF, and MJPEG formats with H.264, MPEG-2, VC-1, FLV, AAC, or AC-3 audio codecs. Perfect for near real time playback. NB: Progressive Download is where a file transfer is initiated, and during the transfer the client is able to play the media given the media and the client support that function. The server just has to transfer fast enough to allow real-time playback, so no exceptional configuration is necessary.

## Summary

- VOD: Choose content on demand
- nPVR: Record and play without using a personal hard disk
- Start Over: Rewind to the beginning of a live TV program
- Pause TV: Pause, instant replay, fast rewind and forward, TV +Y hours
- Catch-Up TV: Watch TV programs days after they have been broadcast



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