

Key Benefits

Cost-effective VoD Server

IPSoft iStream was specially created for the operators who need to keep costs under control. Advanced technologies and rich experience helped to develop the Video Server that supports most value-added services while lowering costs.

Based on open standard interfaces

IPSoft iStream uses industry standard Java/SOAP/XML interfaces and protocols. It simplifies integration with third party applications and products. Now IPSoft iStream is integrated with leading STBs and CAS/DRM systems and the number of vendors is increasing.



IPSoft iStream delivers independent scalability of content ingest, storage and streaming across IP networks worldwide. Besides standard services VoD, nVod, nPVR and Timeshift it supports Broadcasting over Internet and Push VoD.

Broadcasting over Internet allows operator to offer media services to any broadband-connected user. The content can be delivered to any Internet user as well as to the operator's subscriber.

Push VoD is the answer to the challenge of low bandwidth capacity. IPSoft iStream downloads assets to client's (PC's or STB's) hard disk to watch them afterwards.

Advanced Content Distribution

IPSoft iStream is completely compatible with IPSoft DMA that allows redirecting RTSP requests and distributing content via unicast/multicast broadcasting. One of its features is working with different RTSP dialects. Thanks to it an operator can combine several VoD brands on the network.

Proven Solution

IPSoft iStream is a component of Netris end-to-end solution that includes as well IPSoft iVision IPTV Middleware, IPSoft DMA, IPSoft iVision PC Solution. For operators it reduces time, cost and risk of deploying carrier-grade platform for IPTV/VoD services delivery.

IPSoft iStream Features & Functionality

Streaming Format Support	MPEG-2 TS Video: MPEG-2, MPEG-4 (H.264) Audio: MPEG-1 Layer III, AAC, HE-AAC
Streaming Modes	Unicast, Multicast (live capture and broadcast, scheduled stored video)
Trick Mode Support	multi-speed FF/RW (administrator configurable)
Streaming Control Protocols	RTSP, CORBA-compliant
Bit Rate Support	64 Kb/s MPEG-4 to 19,2 Mb/s MPEG-2 HD
Content Distribution	Point-to-point & Multicast distribution with IPSoft DMA
Monitoring	SNMP v.1,2c compliant monitoring daemon
STB Support	Amino, ADB, IPSoft iVision PC Solution
CAS Support	Verimatrix, SecureMedia
System Administration	Web-based
Streaming Data Protocols	RTP/UDP/IP & RTP/TCP/IP

IPSoft Distributed Media Architect (DMA) – media content distribution management system is designed to be a unique tool to provide flexibility and redundancy of such an important IPTV service as Video on Demand (VoD). Netris' application enables to optimize networks and to reduce a number of VoD servers.

IPSoft DMA Benefits

High Level of System Fault Tolerance

Every Network VoD server has an IPSoft DMA agent so central DMA server always has actual information on the state and loading of VoD servers. During a movie watching a subscriber doesn't notice a server failure because the stream will be immediately recovered from the nearest available server. For a subscriber it will be as a second movie pause on the TV screen.

Scalability

IPSoft DMA provides reliability with any number of video servers.

Multivendor System

Application is designed to be an integration link which understands RTSP dialects of any video server. It enables to combine different VoD server brands according to operator interests.

How it works

IPSoft DMA proxies or redirects RTSP requests in IP-network. Subscriber's STB applies to IPSoft DMA server, which in its turn redirects or proxies the request to the nearest available video server. After it the asset is delivered directly from the video server to the STB. DMA server keeps connection with every VoD server in the network and reacts immediately on a server failing.

Part of IPSoft End-to-End Solution

IPSoft iVision IPTV Middleware and IPSoft iStream are proven IPTV solution components which enable to broad DMA functionality and raise system reliability.

Intellectual Content Distribution

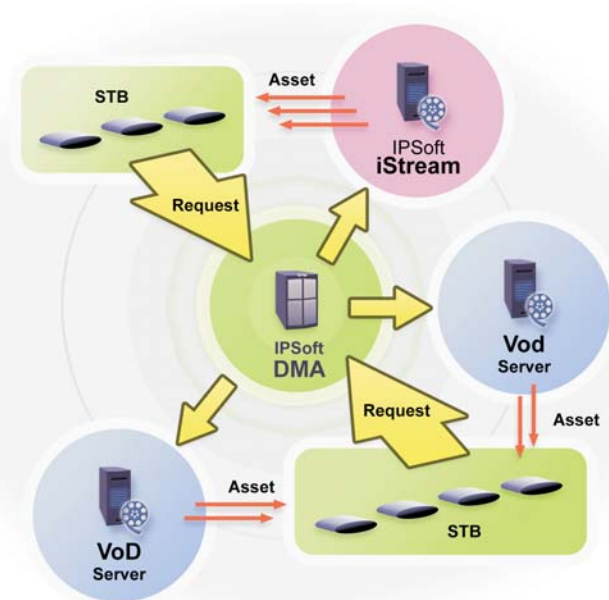
IPSoft DMA runs content distribution from the central VoD server to local servers according to movies popularity.

Integration

The application can be easily integrated with system components including any middleware.

Cost Reducing

As IPSoft DMA enables to optimize a number of VoD servers and use different brands. It can reduce investments in network and equipment.



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