

RTSP Client Toolkit

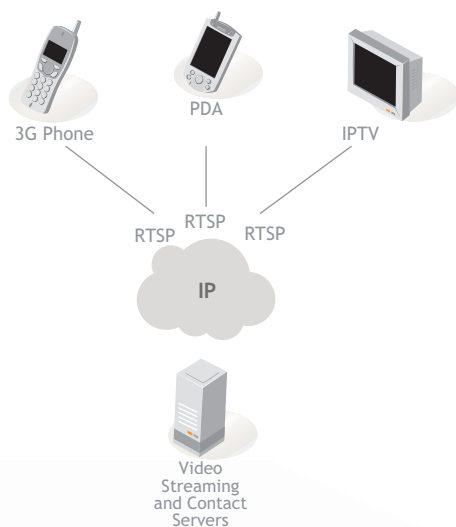
*For developing multimedia streaming
for mobile and home entertainment terminals*

The RTSP Client Toolkit is a powerful development tool for a wide variety of multimedia client applications. The Toolkit includes a set of intuitive APIs for developing multimedia streaming applications for mobile devices such as PDAs and mobile phones as well as broadband IP-based solutions such as IPTV. RADVISION's RTSP Client Toolkit facilitates faster time-to-market by allowing developers to focus on implementing value-added features instead of the intricacies of the underlying protocols. RADVISION's RTSP Client Toolkit is IETF RFC 2326 D.1 compliant.

Applications benefiting from RTSP include:

- Surveillance Systems
- IPTV
- PSS Mobile Clients
- Video-On-Demand (VOD) Clients
- Multimedia Mail Clients

RTSP Products



RTSP Basics

RTSP is a protocol for "multimedia remote control over IP" defined by IETF RFC 2326. It is an IP application-level protocol for controlling the delivery of multimedia content, similar to SIP or H.323.

RTSP is designed to take advantage of lower-level protocols to provide a complete streaming service over the internet. Examples of these complementary protocols include RTP for streaming and RSVP for QoS assurance. The protocol operates in a client-server IP, model to control delivery of streamed multimedia data over broadband fixed or mobile (3G/WiFi) networks.

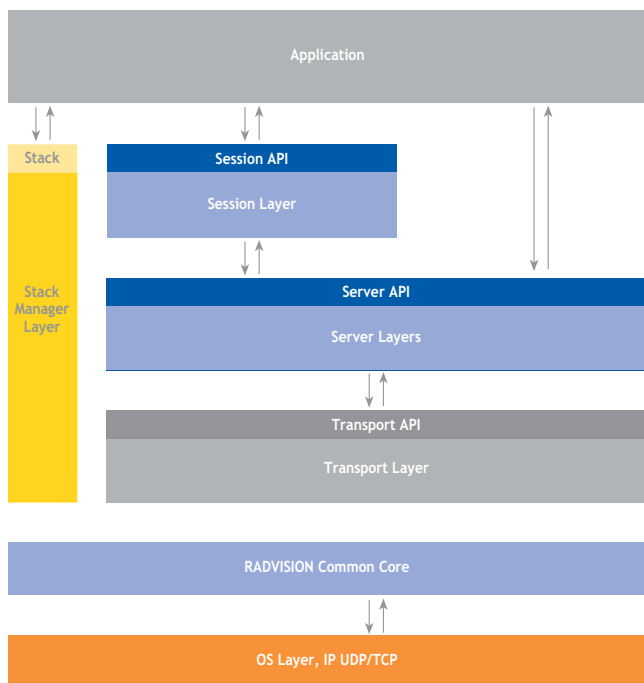
RTSP is most suitable for IPTV Multimedia-On-Demand services. It provides TV or DVR like remote control functionality for audio and video streams services such as content navigation (e.g. Pause and Fast Forward), absolute positioning and programs for later operations. RTSP's sources of data include both live data feeds and stored clips. It provides the means for choosing delivery channels such as UDP, multicast UDP and TCP as well as delivery mechanisms based on RTP. As a result, RTSP is highly beneficial for both large audience multicasting (e.g. E-Learning) and single-viewer real-time Multimedia-On-Demand unicasting.

Product Architecture

The RADVISION RTSP Client Toolkit is comprised of the

- Stack Manager API- for initiating, terminating and configuring the stack, handling server and session lists, and managing logs
- Session API- for initiating and terminating the session with the server, handling session methods, and providing session status
- Server API- for initiating and terminating server communication and resources, monitoring server availability and active sessions with the server, and closing connections when no sessions are active with the server
- Transport API- for assuring proper operation with the socket layer and enabling asynchronous operation mode

RTSP Client Toolkit Architecture



About RADVISION

RADVISION (NASDAQ: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards-based video networking infrastructure and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless - for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next-generation IMS networks. For more information about RADVISION, visit www.radvision.com

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The RTSP Client Toolkit is delivered with:

- Source Code
- Sample Program
- Complete Documentation

RTSP Client Toolkit Features

- RFC 2326 D.1 Compliant
- RTSP DESCRIBE
- DNS Resolver
- UDP Multicast support
- IPv4/IPv6 support
- Thread Safe
- ANSI C
- Dynamic Source IP
- Small Footprint
- Based on RADVISION's Common Core

Operating Systems*

- Windows
- Windows Mobile
- Nucleus
- Symbian
- Solaris
- Linux, Red Hat

* Inquire for specific OS support or OS porting

Enhanced Features

RTSP DESCRIBE

RTSP DESCRIBE is a mandatory method for describing media stream content. Information obtained can include movie chapters, size and subtitle options.

DNS Address Resolution

RTSP Servers provide URIs instead of IP addresses.

The RTSP Client Toolkit supports DNS address resolution with the capability to translate URIs into public IP addresses in real-time.

Related products include:

RTP/RTCP Toolkit

A standalone RTP/RTCP stack providing IPv6 support, security and advanced functionality.