



Deploying Helix™ Proxy

Managing Media with Helix Proxy

Helix Proxy is a software solution for reducing bandwidth costs associated with content entering your network by eliminating redundant requests for streaming media.

Key Benefits

Reduce Bandwidth Costs

By eliminating redundant data transmission between the server and proxy, you require less bandwidth to receive the same amount of content. Lower bandwidth usage translates into savings to your bottom line.

Manage the Network

Cap inbound and outbound bandwidth, ensuring that mission-critical applications are not adversely affected by streaming activities.

Control Content

Helix Proxy authenticates every client request at the origin, so control of the content always stays at the origin server.

Security

Helix Proxy masks the IP address of your internal users.

Improve End-User Playback

By caching and splitting content closer to the end-user, Helix Proxy reduces transmission problems that degrade the quality of the playback experience.

How Helix Proxy Works

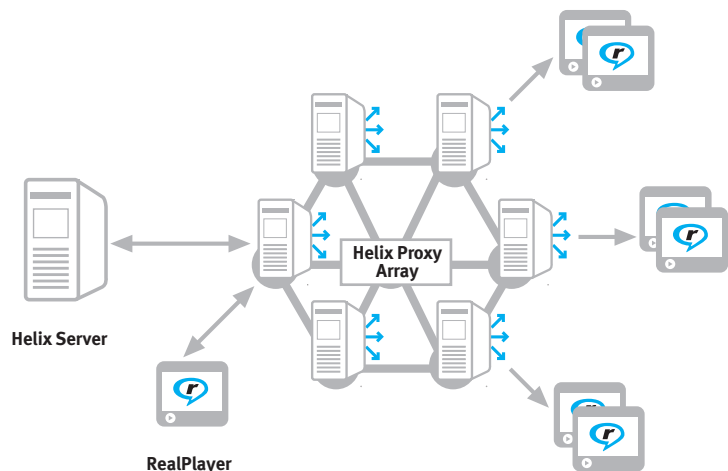
The first step in the Helix Proxy process happens when a RealPlayer® or RealPlayer Enterprise™, requests a digital media file on an externally hosted Helix Server - for example an employee wants to watch video on CNN.com. This request is directed through the Helix Proxy, which forwards the request to the Helix Server where the digital media files are stored.

The Helix Server verifies the file's existence, and that the RealPlayer is authorized through IP addresses or content authentication to access the content. If the Helix Server denies the request, it does not stream the requested file, and neither does the Helix Proxy.

Helix Proxy has three different ways of sending data to clients and automatically chooses the most efficient method possible, based on the type of content requested and the network configuration.

to Clients

- **Passthrough:** No bandwidth conservation is in effect, but all streaming media (both on demand and live) requests go through Helix Proxy.
- **Pull Splitting:** For live requests, Helix Proxy "shares" the stream among the clients who request it.
- For on demand requests, Helix Proxy stores the streaming media data for later viewing by other clients.



Recommended System Requirements

Helix Proxy software is available on all of the leading platforms, including Windows and Linux operating systems. For the most current platform availability, visit our Web site at www.realnetworks.com/products/media_delivery

Operating System Support

- Linux (RHEL 4.0)
- Solaris 10 (Native)
- Windows 2003

Contact Real Today

To find out more about Helix Proxy, contact a Real representative at **1-800-444-8011** or visit www.realnetworks.com/products/media_delivery.html

