



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

By caching and splitting content closer to the end-user, Helix Proxy reduces transmission problems that degrade the quality of the playback experience. Helix Proxy also masks the IP address of your internal users and authenticates every client request at the origin, thereby controlling content and increasing content security.

Helix Proxy is the broadband proxy-cache component of the [Helix Media Delivery Platform](#) – the gold standard for multi-format, cross-platform digital video.

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 hosted on Helix Server. 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.

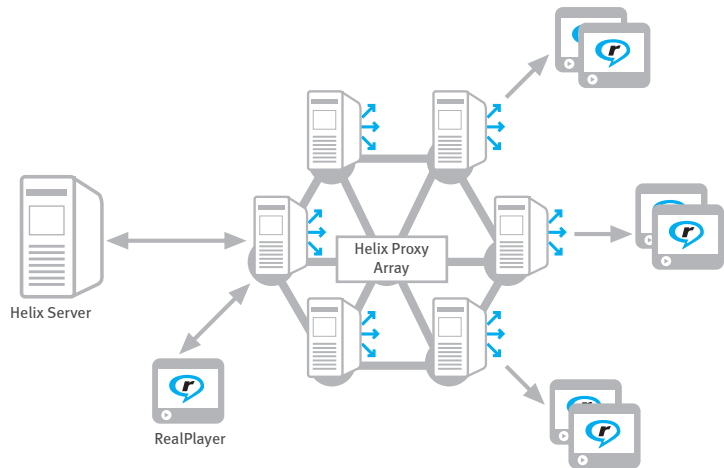


Helix Proxy

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.

The Three Methods of Sending Data 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.
- **Content Caching:** For on demand requests, Helix Proxy stores the streaming media data for later viewing by other clients.



Product Specifications

Operating System	Processor	Memory	Hard Disk
Linux - RHEL 4.0 and 5.0 (Kernel 2.6)*	Intel P4 2.4 GHz	<ul style="list-style-type: none">• 512 MB per processor• 1-4 GB per processor (recommended)	50 MB (install) + Log + Media space
Windows 2003	Intel P4 2.4 GHz	<ul style="list-style-type: none">• 512 MB per processor• 1-4 GB per processor (recommended)	50 MB (install) + Log + Media space
Solaris 10**	Ultra Sparc III 1.5 GHz	<ul style="list-style-type: none">• 512 MB per processor• 1-4 GB per processor (recommended)	50 MB (install) + Log + Media space

About The Helix Media Delivery Platform

The Helix Platform includes all the tools needed to rapidly build and deploy digital video, from media encoding and asset authentication through to accounting and playback.

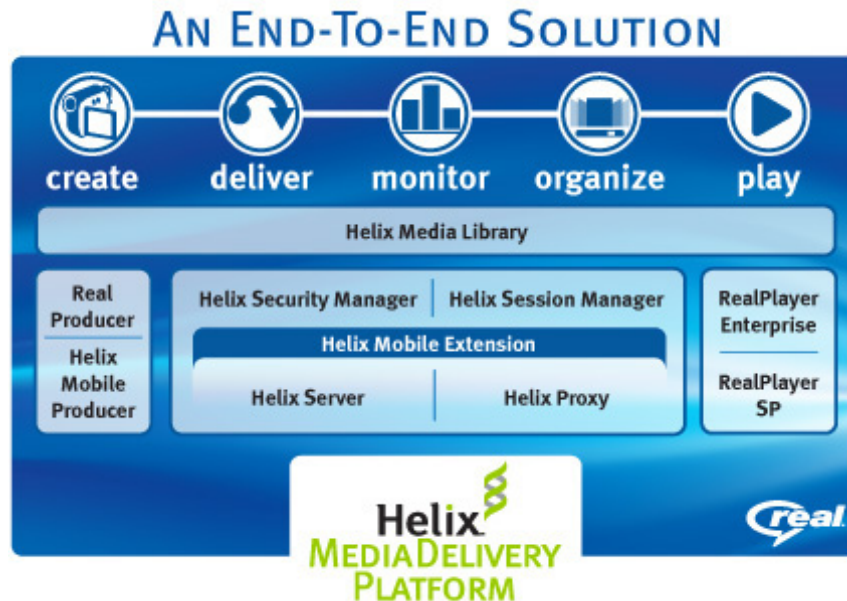
- **Carrier-Grade Scalability**
Helix Media Delivery Platform is specifically designed to scale and deliver content reliably across distributed networks.
- **Bandwidth Efficiency**
Maximize bandwidth efficiency and improve quality of service through multi-tier architecture enabling splitting and content caching.
- **End-To-End Quality and Reliability**
From encoder to server, from server to server or from server to player, the Helix Platform can be configured fully redundantly to provide a proven, fault-tolerant failover delivery service.



Helix Proxy

- **The Broadest Reach**

The Helix Media Delivery Platform offers proven handset interoperability and is fully 3GPP compliant delivering the broadest reach to any device including, PCs, mobile phones, smartphones, iPhones, netbooks, MIDs and other emerging devices.***



Contact Real Today

To learn more about the Helix Media Delivery Platform, please visit www.realnetworks.com/HelixPlatform.aspx

To contact a RealNetworks sales representative or authorized reseller in your area, please visit www.realnetworks.com/contact/index.aspx

*Clones of RHEL 5.0 are not officially supported.

**Solaris on x86 is not supported.

*** Requires Helix Mobile Extension, which is available to Education, Enterprise and Government customers only.