

Helix Session Manager

Improved Control for Mobile Video Delivery

Helix Session Manager helps control, manage and charge for media sessions.

Helix Session Manager enables integration of Helix Universal Media Server series with external third-party systems to help manage and control streaming sessions. Configure Helix Session Manager to take specific actions, via an external HTTP API call, when certain session events occur. This integration includes authorizing client connections, monitoring streaming sessions, integration with billing and customer care systems, as well as controlling streaming clients for live and on-demand streams delivered by the Helix Universal Media Server series.

When combined with Helix Security Manager, Helix Session Manager provides AAA (Authentication, Authorization, Accounting) support and a single sign-on solution for a mobile video service.

About Helix Session Manager

Helix Session Manager is a Helix Universal Media Server series plug-in for managing and controlling one or more media streaming sessions based on internal client/session ID. These session IDs can be extracted from Helix Session Manager once a streaming session starts. Helix Session Manager supports extracting a list of connected clients and disconnecting one or more of the active sessions. It integrates with an external business logic tier for control and enables collection of relevant streaming session information to implement billing and customer care solutions.

Enabled Client Control Use Cases

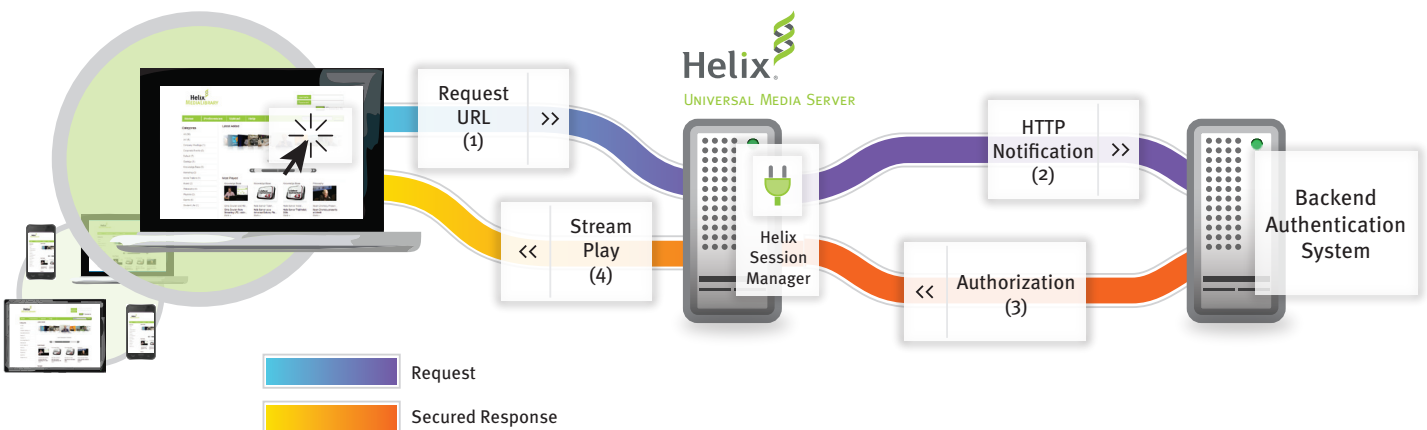
- Authorization of client connection (accept, reject or internal redirect)
- Client control can issue disconnect if user's time has expired
- Disconnect a single streaming session by client/session ID
- Disconnect all streaming sessions by client/session ID or by file/stream name or URL Query Parameter name or value

Enabled Monitoring Use Cases

- Interval event logs written at configurable intervals
- Integrate with billing, customer care and data warehousing systems
- Integrate with real-time billing (live/mobile TV) systems
- Integrate with post-paid billing (event-based charging/CDR) systems
- Integrate with pre-paid billing (time-based) systems

How Helix Session Manager Works

- Step 1: End-user requests media content from a Helix Universal Media Server including the Helix Session Manager plug-in.
- Step 2: Helix Session Manager notifies third-party backend systems of request for media via an external HTTP API call.
- Step 3: Backend systems provide authorization to Helix Universal Media Server.
- Step 4: Helix Universal Media Server plays the media.



Product Features

- Authorize allow/deny/redirect any or all streaming sessions based on customer business rules (via an external HTTP API call); for example, allow or deny streaming sessions based on client IP-address
- Manage streaming sessions by building custom middleware business rules around specific events
- Allow client actions to be blocked until external system can respond
- Allow default actions to occur should external entity not respond
- Allow for advanced monitoring and reporting systems to be built around the Helix Universal Media Server for Mobile
- Obtain session information via log file records or an HTTP call
- Manage a list of all live or on-demand streaming sessions by file/stream name, URL query parameter name or query string parameters in the URL
- Instruct Helix Universal Media Server series to switch to a new clip when the current clip has finished playing

About the Helix Media Delivery Platform

The Helix Media Delivery Platform is an end-to-end streaming media solution for government, education and enterprises that is multi-format, multi-platform, and multi-screen. With Helix Producer, Helix Universal Media Server, Helix Media Library, and Helix Enterprise Player — the core components of the platform — organizations can create, deliver, manage and playback content. Created by RealNetworks, the company that pioneered streaming media in 1995, Helix products provide a high-quality, scalable digital media experience. And with Helix's global customer support team, assistance is just a phone call or email away.

Contact Us

Contact a Helix Sales Representative at 800.444.8011 or helix-sales@realnetworks.com. To learn more about the Helix Media Delivery Platform, visit www.realnetworks.com/helix.

System Requirements

Resource	Requirement
Media Server	Helix Universal Media Server v14 Series
Encoder	Helix Mobile Producer v13.x
Operating Systems	Red-Hat Enterprise Linux 5.x Oracle Solaris 10.x Windows Server 2008 Windows Server 2003