



Helix Server Administration

This course provides the fundamentals of Helix Universal Server Administration. We cover many topics at a high level, providing detailed information about the function and administration of each area of the Helix Universal Server. The course objective is to enable you to maximise your knowledge in the Helix Server and provide the highest levels of streaming media services with the Helix delivery platform.

Key Topics covered include:

- Helix Universal Server Installation
- Using the web-based Helix Server Administrator and the XML configuration file: `rmserver.cfg`
- Universal Media Delivery (Windows Media, RTP/MPEG broadcasting)
- Managing on-demand media assets
- Understand distribution of Live Broadcasts between servers (Splitting)
- Understand Multicasting with the Helix Universal Server
- Understand the methods of securing access to the Helix Universal Server
- Understand the function of the Helix Universal Proxy

MODULE 1 - GETTING STARTED WITH HELIX SERVER

- Define the communication methods Helix Server uses
- Identify the available delivery methods (live, on-demand, unicast, multicast)
- Install, start, and stop Helix Server
- Administer and manage the Helix Server using the Helix Administrator
- Deliver on-demand media from the default storage location
- Understand the configuration file `rmserver.cfg`
- Recognise the license key and understand its function
- Use the RealOne Player to access content directly from the Helix Server

MODULE 2 - SERVER SETUP

- Create mount points to define storage locations of on-demand media



- Create links to content using the new Mount Point

MODULE 3 - Universal Media Delivery

- Define the commonly available datatypes delivered by Helix Server
- Understand Splitting and distribution of live broadcasts to other servers
- Understand how the Helix Server manages Quicktime and RTP Encoding
- Understand how the Helix Server manages live broadcasts from the Windows Media encoder

MODULE 4 - MULTICASTING

- Understand Back-Channel and Scalable multicasting features of the Helix Server

MODULE 5 - LIMITING ACCESS

- Understand security features of Helix Server

MODULE 6 - Helix Universal Proxy

- Understand the benefits of utilizing the Proxy at an Intranet Gateway
- Identify the methods used to acquire media
- Identify the methods used to distribute media inside the Intranet
- Understand administration and setup of the Helix Universal Proxy

MODULE 7 - HELIX DIGITAL RIGHTS MANAGEMENT

- Overview of Helix DRM architecture
- Components provided by RealNetworks
- Integration with Licensing and e-Commerce Storefronts
- Demonstration of Helix DRM media

The training sessions will be hands-on, with participants utilising their own workstation throughout the course for practical application.

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