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## Release Notes:

### **Helix Security Manager 11.6**

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## Table of Contents

Table of Contents .....	3
1. Version Information .....	4
2. Hardware/Software Requirements .....	5
2.1. Supported Platforms: .....	5
2.2. Software Requirements .....	5
3. What's New .....	6
3.2 Support for Helix Server & Proxy 11.1 .....	6
3.3 SMIL Content Support.....	6
3.4 Use Full URL Option.....	6
3.5 Download Server Allowance Error Handling.....	6
4. Documentation Additions/Updates .....	7
5. Known Issues .....	7
5.1. General Configuration .....	7
5.2. Allowance Plug-in .....	7

## 1. Version Information

**Release:** Helix Security Manager (HSM) 11.6

**Version:** 11.6.0.496

**Release Status:** General Availability

**Files:**

**For all Platforms:**

securitymanager-11.6.0.496.tar.gz

**Security Manager Server Adapter for all platforms and all Content delivery servers:**

secmgr-serveradapter-11.6.0.496.tar.gz

**Security Manager Sample CGI Scripts:**

secmgr-samples.zip

**Documentation:**

HelixSecurityManagerGuide.pdf

## **2. Hardware/Software Requirements**

### **2.1. Supported Platforms:**

#### **Operating System support for URL Processor**

Solaris 8, Solaris 9, Solaris 10 (SPARC only);  
RedHat Enterprise Linux 4 AS or ES;  
Windows Server 2003 SP1

#### **Application Servers**

JBoss Application Server 4.0.2 (included);  
JBoss Application Server 4.0.5;  
Apache Tomcat 5.5.23;  
BEA WebLogic 9 or 10

The URL Processor package with JBOSS (url-processor-11.6.0.496.tar.gz) include the JBoss Application Server 4.0.2 with Java 1.4.2. Only this application server is supported with this package. Please read the installation instructions in the Helix Security Manager Guide for details

#### **Supported Operating Systems for Allowance Plug-in**

Solaris 8, Solaris 9, Solaris 10 (SPARC only);  
RedHat Enterprise Linux 4 AS or ES;  
Windows Server 2003 SP1

### **2.2. Software Requirements**

#### **Supported Media Delivery Servers**

Apache 2.0 or 2.2 (earlier and later versions not supported);  
Covalent Enterprise Ready Server 2.4.0  
Helix Server 11.1 or later  
Helix Proxy 11.1 or later

### **3. What's New**

This Helix Security Manager enables support for additional application servers for enterprise web applications to control access to streaming and downloaded media content served by the Helix Server and Proxy, Helix Mobile Server, Apache or Covalent web servers and proxies. Helix Security Manager leverages the ticketed URL technology developed as part of the Helix Service Delivery Suite (SDS), to integrate managed media access with an enterprise's existing end-user authentication and authorization systems.

New Features from previous Helix Security Manager 11.0.0 release:

#### **3.2 Support for Helix Server & Proxy 11.1**

Helix Server & Proxy Release 11.1 is the latest release to the market leading content media streaming server in the market space. At a glance the 11.1 release adds support for:

- 3GP Reduced Startup Delay: Helix Server v11.1 will now offer quicker startup with 3GP Live Streams as RSD had previously not been supported for this data-type.
- NADU Rate Adaptation: Helix Server v11.1 will now support the use of NADU packets for use in Rate

This in addition to a large number of other performance increases and fixes. Please refer to the Helix Server or Proxy 11.1 documentation for further details.

#### **3.3 SMIL Content Support**

Any SMIL file can contain unsecured URLs to any number of clips. The URL Processor is used only to generate a secure key for the main SMIL file (extension .smil). Once the allowance plug-in on Helix Server or Helix Proxy validates access to the SMIL file, it grants access to the additional streams that make up the SMIL presentation. It rejects any direct request for an unsecured clip contained within the SMIL presentation.

For More Information please review the Helix Security Manager guide

#### **3.4 Use Full URL Option**

The RealPlayer is found to append a port to the URL before passing it to Helix Server or Proxy. If this URL was encrypted by the URL Processor adding the port information would modify the URL and cause the Allowance plug-in on the Helix Server to reject the request as a "Invalid URL".

With the Use Full URL option, the URL processor can be set to ignore the Host and port information of the URL and just encrypt the path and query string parameters that are included in the URL. This option must be set on both the URL Processor and all Allowance plug-ins to operate.

#### **3.5 Download Server Allowance Error Handling**

Users can now configure Custom Error Handlers for the Download Server Allowance Plug-in. Handler's can be configure for the following error conditions:

1. URL was not generated by URL Processor (always reject these except for bypass)

2. The URL key timeout has expired
3. URL was tampered with or otherwise corrupt
4. Other internal errors (e.g. the Allowance Plug-in did not get certain values it needed from the server or the Plug-in got an out of memory error).

Error Handling options include an HTTP redirect and submitting a Re-Allowance request. Because of the nature of Apache server, the Download Allowance Plug-In does not allow for Custom Error message handler's like the Helix Server Allowance plug-in does. In this case the only message returned to the user will be the default 403 Forbidden error message which could be modified by the customer in the Apache configuration (please see Apache Admin guide to modify this message text).

## 4. Documentation Additions/Updates

Below is a list of corrections to the current released documentation (changes in **bold**):

## 5. Known Issues

Below is a summary of known issues in functional and stability areas of the Helix Security Manager V11.1.0 release:

### 5.1. *General Configuration*

The default "secmgr-config.xml" is shipped with DefaultToken="defaulttoken22" - This should be changed to: **tokenname** (as per default: <Key Name="tokenname" Value="tokennamevalue" />)

### 5.2. *Allowance Plug-in*

#### 5.2.1. **Helix Proxy Plug-in does not authenticate Windows Media or QuickTime streams**

The Allowance Plug-in for Helix Proxy does not authenticate Windows Media Player client sessions using MMS or QuickTime clips using RTSP. These formats are correctly authenticated by the Helix Streaming Server Allowance Plug-in. If possible, place content on a Helix Server and authenticate at the server instead of the proxy.