

Streaming Media Technology for Digital Library Applications: *A practical approach*

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What is Streaming Media Technology ?

- **A technique for transferring data so that it can be received and processed in a steady and continuous stream**

What is Streaming Media ?

- **Streaming media is sound (audio) and pictures (video) that are transmitted on the Internet in a streaming or continuous fashion, using data packets.**

Packet ?

- **A packet is the unit of data that is routed between an origin and a destination on the Internet or any other packet-switched network**

Some Features/ Capabilities ?

- **Instant Access to Media**
- **Media Security**
- **Multiple Access**
- **Media Quality**

Some Streaming Media Solutions

- **Quicktime**
- **Real Player**
- **Winamp**
- **Microsoft Windows Media**
- **Unreal Media Server**

Unreal Media Server

- UMS is a proprietary streaming server for Windows platforms, designed to provide multimedia delivery over LAN and Internet
- (<http://www.umediaserver.net>)

Supported OS Server side

- **Windows XP, 2000. 2003 Server, Vista**

Supported OS Client side

- **All Windows systems**

Supported File Formats

- AVI (Divx, Xvid, VP6, any other codecs)
- MPEG-1/2/4, DAT
- WMV/WMA
- MP3
- ASF
- Quicktime etc..

Unreal Streaming Media Server

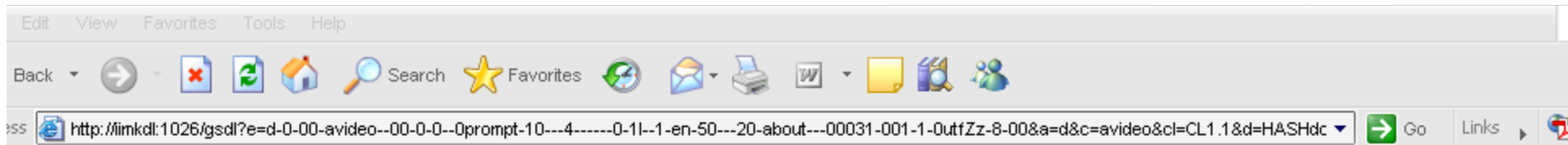
Installation and Configuration

Prerequisite Software at server side

- **Webserver – IIS is recommended**
- **Media Streaming Server**
- **Proxy Server**
- **Streaming Media Player**
- **Sample Media Files**
- **Greenstone Collection**

Installation

- Install **IIS** [*Stop other webservers*]
- Install **UMediaServer.msi**
- Install **UHttpProxy.msi**
- Install **StreamingMediaPlayer.msi**
- Switch Off Windows Firewall
- Create Greenstone Collection



Home Help Preferences

Titles a-z

Filenames



Library & Information Center (LIC)

Video Library

ing research project of CDDL at IIMK. Access to these resources is governed by copyright law and individual license agreements.

Download and install [Streaming Media Player](#) to view videos.

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