



Managing media objects with DigiTool and external streaming services

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Summary

- Context
- Problem
- Solution
- Next steps





Context

- increasing use of audio and video objects
- FEUP produces lots of video documents from
 - official events
 - news clips in television regarding FEUP
 - institutional presentations for marketing
 - video-conference sessions recordings
 - important lectures, seminars and classes
 - student's academic works





Problem

Organize	Search	Publish
(file management)	(metadata association)	(access management and transport)

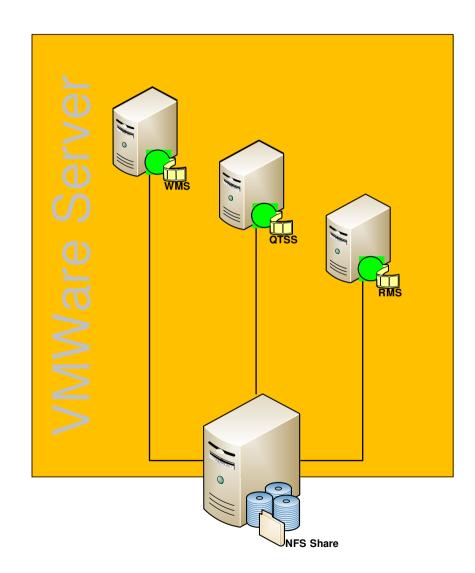
- publish in the Internet video clips produced by different people and services
 - video files are big, so they need to be distributed using streaming
 - search techniques for retrieving non-textual documents are still developing
 - distribute the production and publishing of the video clips by different people/services





Solution: publish

- Streaming servers for the most common formats
 - WMS running on a Windows
 Server
 - QTSS running on a Linux
 Server
 - RMS running on a Linux
 Server
- Why?
 - compatibility with most important video-player clients
 - different contexts require different streaming formats

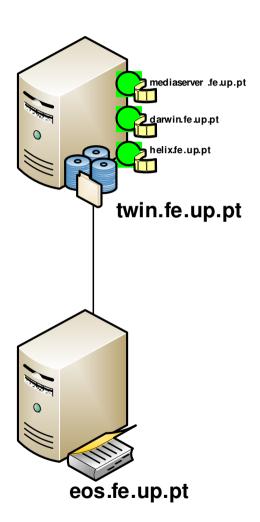






Solution: searching and managing

- DigiTool is the tool
 - supports metadata management
 - manages the files in the servers
 - supports the publishing process

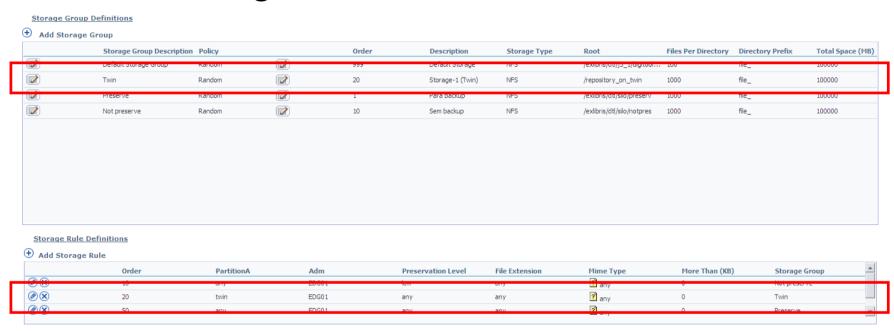








Solution: configuration

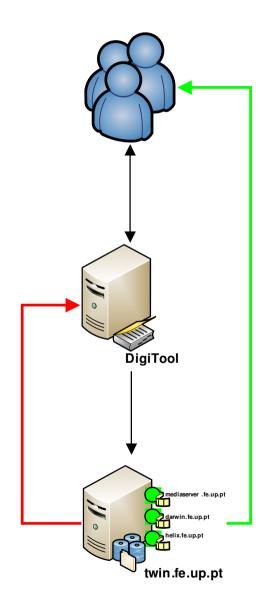






Solution: the problem

- DigiTool viewers collect the files from NFS and send them to the users, so the presented file was not using the streaming services
- ExLibris developed a new viewer to use the Streaming Server to present the video clips instead of the regular DigiTool process









Solution: viewer configuration

			Edit Deliver	y Rule	
Order:	100]	IP:	ANY	
Disable:	П	ı	Custom Att1:	ANY	
Application:	ANY]	Custom Att2:	ANY	
Admin Unit:	ANY		Custom Att3:	ANY	
User Mode:	ANY			rtsp://darwin.fe.up.pt/	repository
Entity Type:	VIDEO_STREAM]	Viewer URL:	Edit Selected URL	
Mime Type:	ANY]	Viewer Pre Processor:	DirectStreamViewerPr	eProcessor 🔻
File Extension:	mov		Viewer Parameters:		Add Remove
Usage Type:	ANY]	Name		Value
PartitionA:	twin]	Hame		value
PartitionB:	ANY]			
PartitionC:	ANY]			
			Save Changes	Cancel	

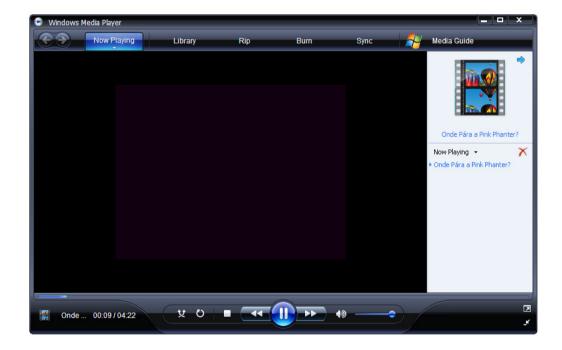






Solution: an example











Solution: another example









Next steps

- include the players in a DigiTool web page
- scale the solution according to FEUP requirements
- define the deposit and ingest workflows
- define collections to present the objects to the final users







Thank You

