

# REDLINE

## Audio file ingest system of Radio Suisse Romande



**NETWORKS 2006**

"A Hitchhiker's Guide to...Networks.  
Your panic-free guide to future networks"

EBU Headquarters, Geneva, 19 and 20 June 2006

**RSR**  
RADIO SUISSE ROMANDE

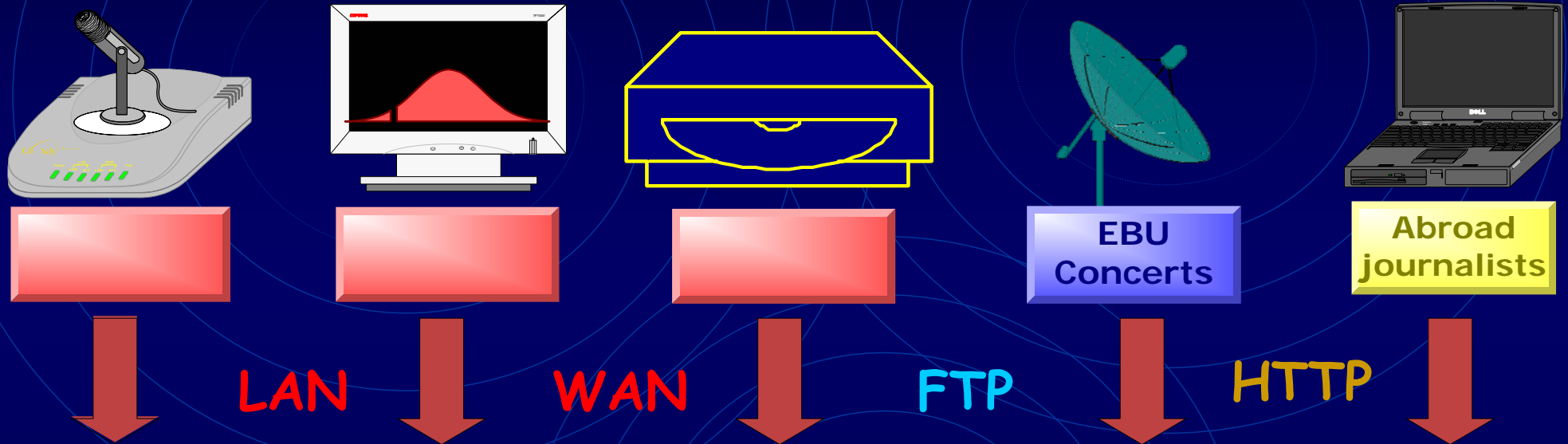


- Part of the National Swiss Broadcasting SRG-SSR Idée Suisse
- 4 programs in the french part of Switzerland in FM and DAB
- Audience more than 50 % of market share

- Production digitized since 1995
- Mass archive digitized since 2000
- All recordings in digital since 2004  
(MiniDisc → flashcards recorders)

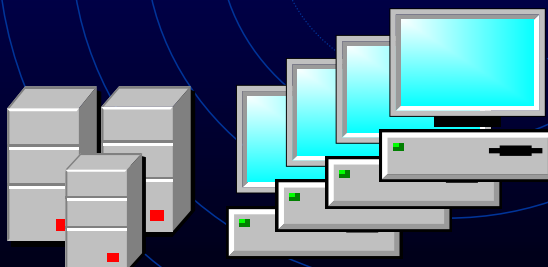
# REDLINE

...was the missing link to the production systems



Super users and audio workstations were needed to ingest more than 1000 sound files per week

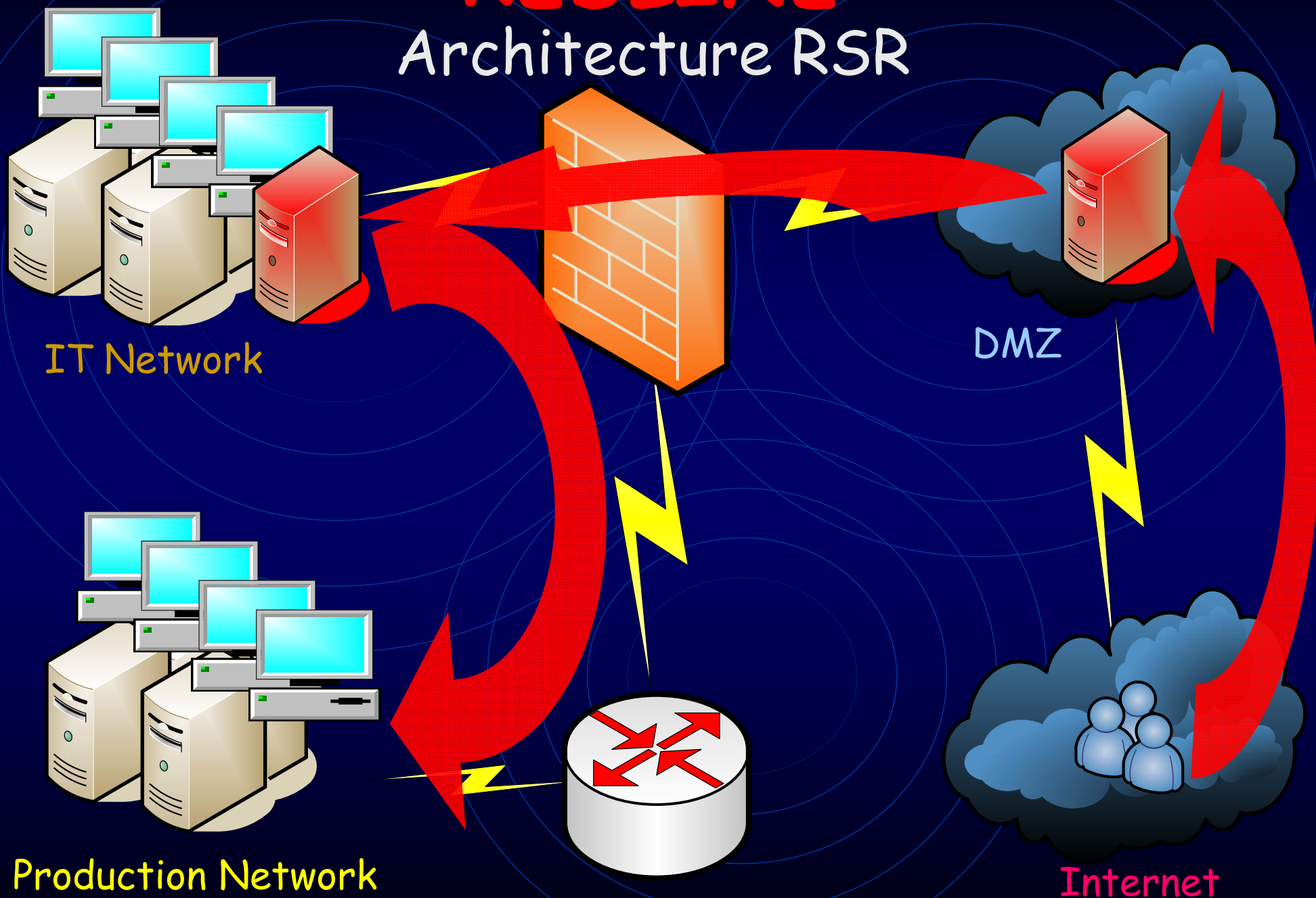
Dalet



Numisys

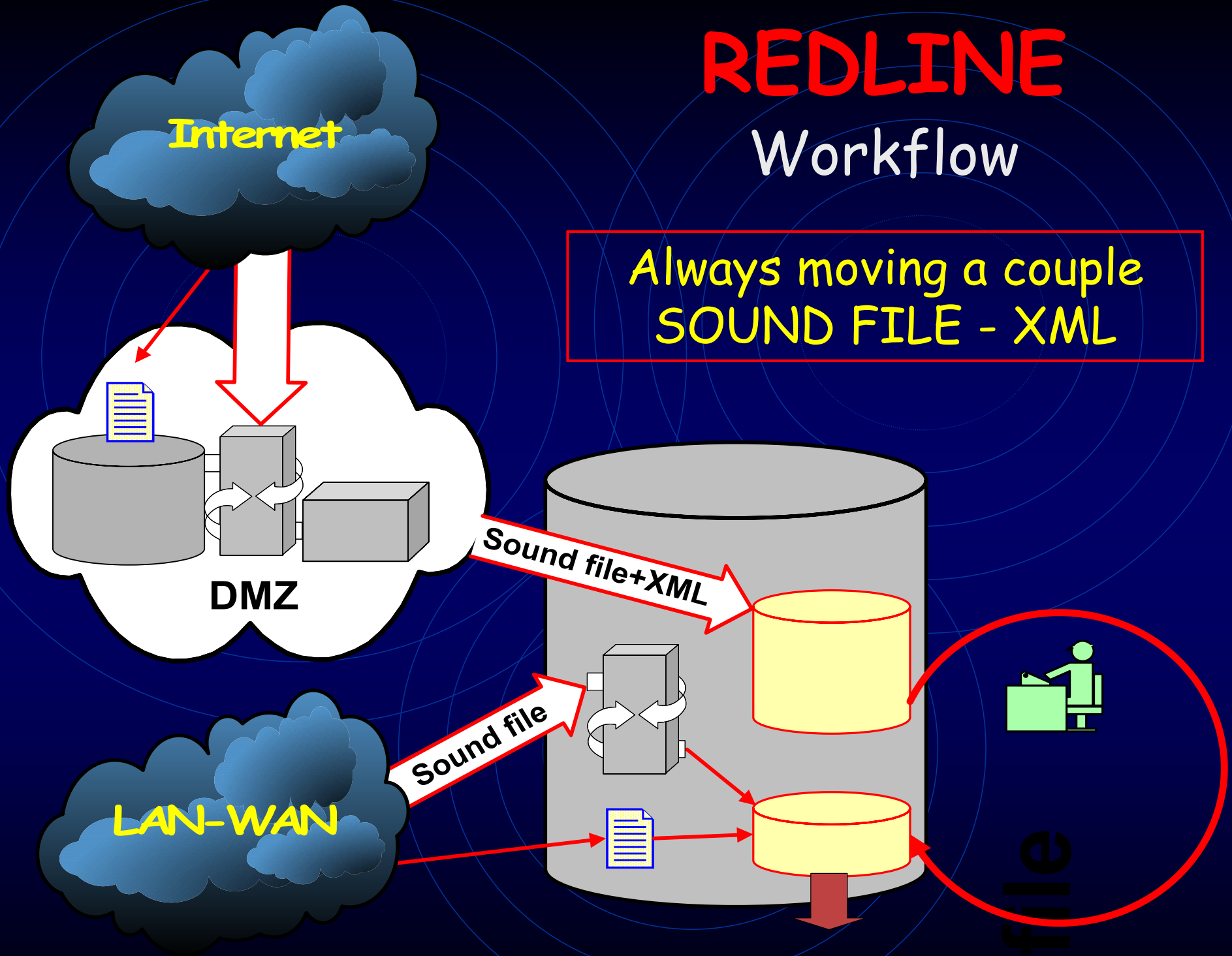
# REDLINE

## Architecture RSR



# REDLINE Workflow

Always moving a couple  
**SOUND FILE - XML**



# REDLINE

## Formats - conversion

### From:

MP2, MP3, AAC, FLAC, Linear  
+ "exotic" sound file formats

### To:

BWF MPEG 1 layer II  
256 kbs stereo 48 kHz

<b>GETID3_VERSION</b>	string (5)	1.7.0																																																																								
<b>filesize</b>	integer	3728902																																																																								
<b>avdataoffset</b>	integer	1030																																																																								
<b>avdataend</b>	integer	3728902																																																																								
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<b>encoding</b>	string (10)	ISO-8859-1																																																																								
<b>filename</b>	string (38)	1091632859-BWF_NETIA_wav_3-INF.son.bak																																																																								
<b>filepath</b>	string (46)	/mnt/raid5/to-mmmtranscoder/encour-erreur/tydy																																																																								
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<b>mime_type</b>	string (12)	audio/x-wave																																																																								



# REDLINE

## Repair tools

- "Tidy" to cut frames before the first header
- "VBR fix" to repair the MP3 files encoded with VBR problems

Inserted if needed into the workflow

# REDLINE

## Components

- Open source softwares  
(Debian, Apache, Perl, GetID, Tidy)
- Professional converter "farm"  
(MMMTranscoder)
- Production agents for integration  
(Dalet DDS, Archive & Transfert)

# REDLINE

## Implications

- Easy, quick, secure and "last minute" compliant
- No super user needed
- Facilitate the homework
- Transfer from every PC/Network
- Works thru all Web connections (Web cafes, Hotels, Hot spot, etc...)
- Independent from the production system (Xml)
- Allows other types of files until the validation process
- Problems with the upload bandwidth

# REDLINE

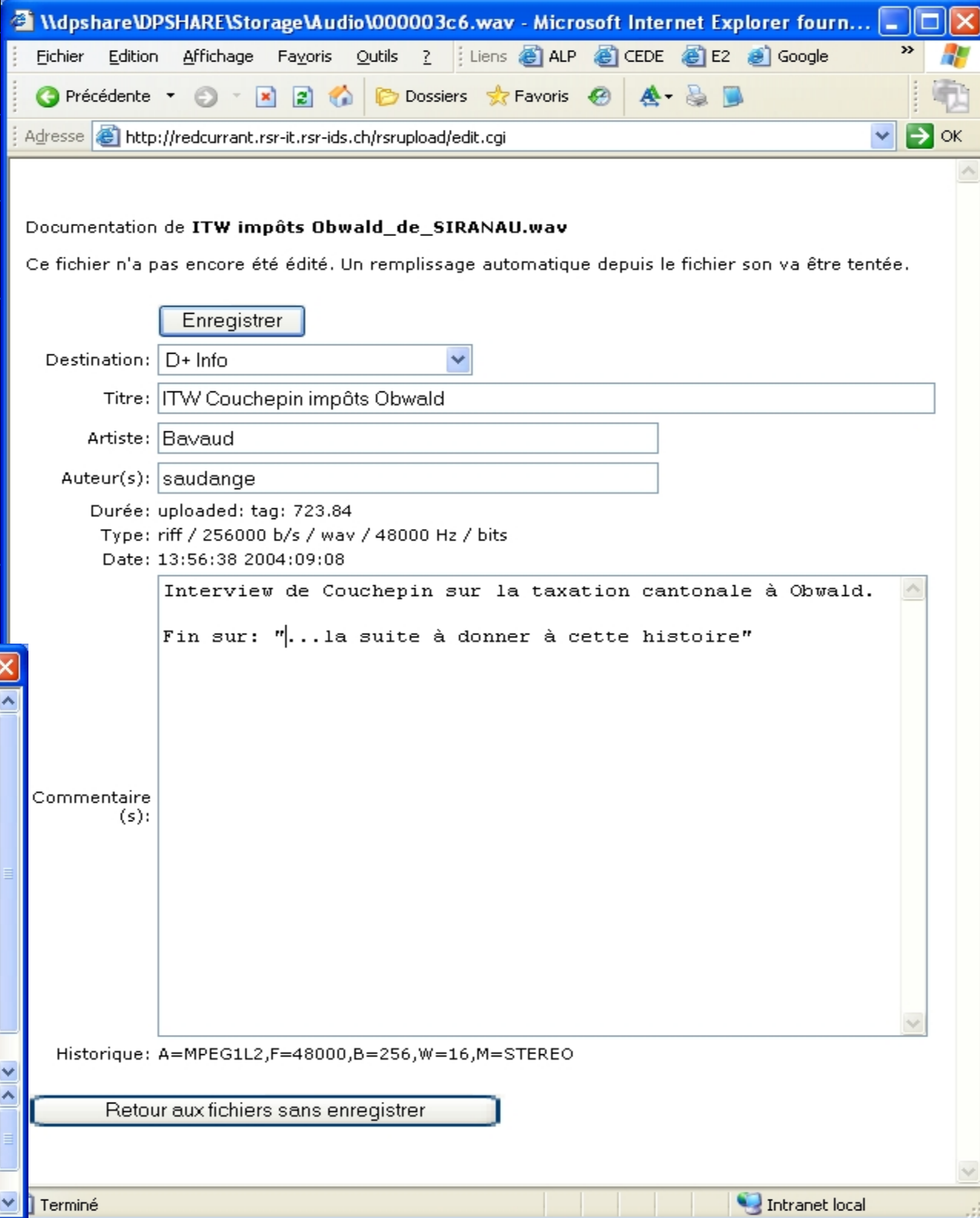
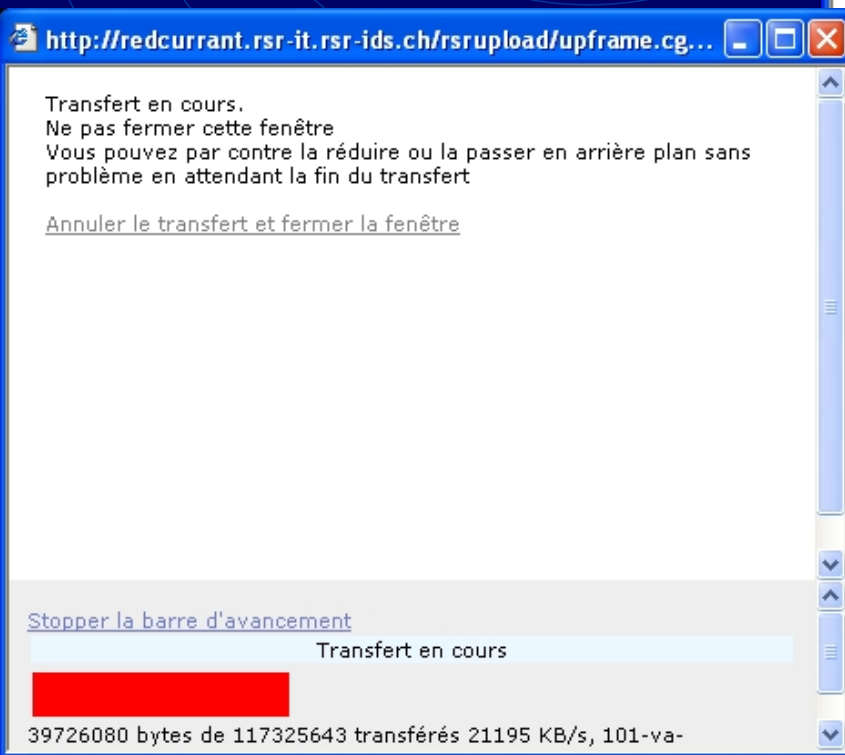
Browse  
and  
upload

http://redcurrant.rsr-it.rsr-ids.ch/rsrupload/upframe....

D:\SaudanGe\mp3\DeepDish\De	Parcourir...	 <a href="#">Jouer le fichier</a>
D:\SaudanGe\mp3\DeepDish\Day	Parcourir...	 <a href="#">Jouer le fichier</a>
D:\Sons BWF\Couleur3\cali_agen	Parcourir...	 <a href="#">Jouer le fichier</a>
D:\Sons BWF\INFO\Interview à Ni	Parcourir...	 <a href="#">Jouer le fichier</a>
	Parcourir...	 <a href="#">Jouer le fichier</a>
	Parcourir...	 <a href="#">Jouer le fichier</a>
	Parcourir...	 <a href="#">Jouer le fichier</a>
	Parcourir...	 <a href="#">Jouer le fichier</a>
	Parcourir...	 <a href="#">Jouer le fichier</a>
	Parcourir...	 <a href="#">Jouer le fichier</a>
<input type="button" value="Envoyer"/>		

# REDLINE

Filing the form  
during the upload  
(creating the XML file)



# REDLINE

## Validation

http://redcurrant.rsr-it.rsr-ids.ch/rsrupload/approve.cgi - Microsoft Internet Explorer fourni par Radio Suisse Romande (A)

Fichier Edition Affichage Favoris Outils ? Liens ALP CEDE E2 Google Intranet Juno LP redline













Adresse http://redcurrant.rsr-it.rsr-ids.ch/rsrupload/approve.cgi OK

**Bienvenue sur le système de téléchargement de fichiers**

[Accueil](#) [Mes Fichiers](#) [Fichiers à valider](#) [Gestion des utilisateurs](#) [Admin](#)

**VALIDATION DES FICHIERS EN PROVENANCE DE L'EXTERIEUR**

Type de préécoute:  Sélectionner

	Fichier	Taille	Date Modification	Utilisateur bureautique reponsable	Compte	Destination
   	JAMAIT Vierzon.BWF	9'750'022	Fri Jun 2 14:02:49 2006	fardelbe	bleumus	OM
   	JAMAIT Reste.BWF	10'097'926	Fri Jun 2 13:52:08 2006	fardelbe	bleumus	OM
   	JAMAIT Ok tu t'en vas.BWF	9'410'566	Fri Jun 2 13:31:09 2006	fardelbe	bleumus	OM

Infos:

Destination: OM  
Titre: JAMAIT Ok tu t'en vas  
Artiste: JAMAIT Ok tu t'en vas  
Auteur(s): bleumus  
Durée: uploaded: tag: 294.048  
Type: riff / 256000 b/s / mp2 / 48000 Hz / bits  
Date:  
Commentaire  
(s):  
Historique: A=PCM,F=48000,W=16,M=stereo,T=samplitude  
softwareA=MPEG1L2,F=48000,B=256,W=16,M=Stereo,T=N?tia

Terminé Intranet local

# REDLINE

## Every user can create and manage FTP/HTTP accounts

http://redcurrant.rsr-it.rsr-ids.ch/rsrupload/edituser.cgi - Microsoft Internet Explorer fourni par Radio Suisse Romande (A)

Fichier Edition Affichage Favoris Outils ? Liens ALP CEDE E2 Google Intranet Juno LP redline Spam Trans VTX Wiki Price Pandora GEcam

Précédente Dossiers Favoris

Adresse http://redcurrant.rsr-it.rsr-ids.ch/rsrupload/edituser.cgi OK

**Bienvenue sur le système de téléchargement de fichiers**

[Accueil](#) [Mes Fichiers](#) [Fichiers à valider](#) [Gestion des utilisateurs](#) [Admin](#)

**EDITION DES COMPTES UTILISATEURS POUR LES UTILISATEURS EXTERNES**

Nouvel utilisateur:

Utilisateurs actuels (rattachés à saudange):

Utilisateur	Mot de passe	Mot de passe confirmation	Dernière visite	Compte actif	Type	Commentaires:
aston05	••••••••	••••••••	2006-03-08 08:27:37	<input type="checkbox"/>	ftp login/pass comme http	! Tempo pour S. Eicher PW: travaux
ftprsr	••••••••	••••••~•	2005-11-17 10:36:08	<input checked="" type="checkbox"/>	ftp login/pass comme http	
meteoeh	••••••~•	••••••~•	2006-06-02 13:28:33	<input checked="" type="checkbox"/>	Auto vers: Dalet La Première	! Fichiers météo images satellite
mmmt	••••••~•	••••••~•	2005-11-17 10:37:53	<input checked="" type="checkbox"/>	ftp login/pass comme http	
nico	••••••~•	••••••~•	2004-06-03 17:57:00	<input checked="" type="checkbox"/>	Normal	
radars	••••••~•	••••••~•	2005-03-24 16:52:59	<input checked="" type="checkbox"/>	Auto vers: Dalet La Première	! Fichiers météo images radar impact pluie
radiosud	••••••~•	••••••~•	2006-03-22 14:00:21	<input checked="" type="checkbox"/>	ftp login/pass comme http	
saudan	••••••~•	••••••~•	2004-09-01 17:34:25	<input checked="" type="checkbox"/>	Normal	
stdu	••••••~•	••••••~•	2004-11-01 20:47:23	<input checked="" type="checkbox"/>	ftp login/pass comme http	
technavi	••••••~•	••••••~•	2006-05-03 15:28:08	<input type="checkbox"/>	ftp login/pass comme http	! Fichiers météo images Skybilder
tortue	••••••~•	••••••~•	2006-05-05 15:13:01	<input checked="" type="checkbox"/>	ftp login/pass comme http	

Intranet local

# REDLINE

## NETWORKS 2006

"A Hitchhiker's Guide to...Networks.  
Your panic-free guide to future networks"

EBU Headquarters, Geneva, 19 and 20 June 2006

