TECHNICAL REFERENCE PART 1

Version 6.1 - April 2013



IPDirector



Copyright

EVS Broadcast Equipment – Copyright © 2005-2013. All rights reserved.

Disclaimer

The information in this manual is furnished for informational use only and subject to change without notice. While every effort has been made to ensure that the information contained in this user manual is accurate, up-to-date and reliable, EVS Broadcast Equipment cannot be held responsible for inaccuracies or errors that may appear in this publication.

Improvement Requests

Your comments will help us improve the quality of the user documentation. Do not hesitate to send improvement requests, or report any error or inaccuracy on this user manual by e-mail to <u>doc@evs.com</u>.

Regional Contacts

The address and phone number of the EVS headquarters are usually mentioned in the **Help > About** menu in the user interface.

You will find the full list of addresses and phone numbers of local offices either at the end of this user manual (for manuals on hardware products) or on the EVS website on the following page: <u>http://www.evs.com/contacts</u>

User Manuals on EVS Website

The latest version of the user manual, if any, and other user manuals on EVS products can be found on the EVS download center, on the following webpage: http://www.evs.com/downloadcenter

Table of Contents

TABL	_E OF CONTENTS	III
Wна	т's New?	IV
1.	HARDWARE	1
2.	CONNECTION TO SERVERS	4
2.1	Configuration and Connection	4
2.1	1.1 One IP-Director and One Server	6
2.1	1.2 Multiple IP-Director Workstations and one Server	7
2.1	1.3 One IP-Director and a Network of Servers	8
2.1	1.4 Multiple IP-Director Workstations and a Network of Servers	9
2.2	Setup of Server for use with IP-Director	10
2.4	2.1 INULICATI LOW MODE	
23	SERIAL LINK REDUNDANCY	12
2.0	Gigabit Connection for Software Player and XMI Unit	16
2. ·		10
з.		
3.1	Start the Remote Installer application.	19
3.2	Workstation LIST	
3.3	Remote Installer menu	
3.4	Workgroup functionalities	
3.5	Plugins	
3.6	Install Remote Installer Version	
3.7	Install Package	
3.8	Database Configuration	
3.9	CONTEXTUAL MENUS	62
3.9	9.1 Workgroup Contextual Menu	62
3.9	9.2 Populate Hosts Files	65
3.5	9.3 Workstation Contextual Menu	
3. IC	0 Parameters Configuration	04
ა. ვ	10.2 Storage Priorities Configuration	
31	10.3 XT Network Configuration	
3.1	10.4 Services Configuration	
3.1	10.5 Lan and Wan Configuration	
3.1	10.6 SynchroDB Configuration (Load Balancing)	101
3.1	10.7 XML Unit Configuration	103
3.1	10.8 Thumbnails and Grab Configuration	110
3.1	10.9 Targets Configuration	
3.1	10.10 IP Logger Export Configuration	
ර. ර	10.11 Near Line Management Configuration	
৩. ২০	10.12 Lonces Management Configuration	170
31	10.14 As Will Run Log Configuration	
3.1	10.15 Playlist Configuration	
3.1	10.16 Redundancy Configuration	
3.1	10.17 IP-API Configuration	180
3.1	10.18 Director's Cut Configuration	181

What's New?

The following table describes the sections updated to reflect the new and modified features on IPDirector 6.15 (compared to IPDirector 6.0).

In the user manual, the icon has been added on left margin to highlight information on new and updated features.

Click the section number (or the description) in the table to jump directly to the corresponding section.

Section	Description
3.3	Open IP Browse Configurator added
3.10.1	Storage Priority removed from General tab
3.10.2	New tab Storage Priorities created

1. HARDWARE

The IP-Director software is installed in a workstation operating under Windows XP (SP2 minimum – English).

The hardware components are housed in three different rack cabinets.

3U RACK (IPWS3 series):



Connections on the rear of the chassis:

• Intel motherboard & AVH video board: (SDI Video Card & RS422)





Important

This 'old serie' 3U Racks were delivered with 1GB Ram and the new version 5.8 requires 2GB Ram minimum.

It is largely advised to contact the EVS support or the local office in order to upgrade these workstation series.

Old 3U Racks based on a TYAN Motherboard are no longer supported for an IP-Director version 6.

3U Rack (current IPDWS3J7 series):

• SuperMicro i7 motherboard & AVH video board: (SDI Video Card & RS422)





1U RACK (IPWS1 series):



Connections on the rear of the chassis:





Important

Original IP-Director 1U Models were delivered with 1GB Ram and the new version 5.8 requires 2GB Ram minimum.

It is largely advised to contact the EVS support or the local office in order to upgrade these workstation series.

IP Director 1U models based on the Pentium mobile motherboard (MB 896) **cannot be used** with IP-Director version 6. These models are listed with a **P/N: IPD1U-M**

1U RACK (current IPDWS1HP series):



3

2. CONNECTION TO SERVERS

Introduction

The following section describes the physical connections and software configurations which are required to use IP-Director with Servers. It also includes sample configurations to illustrate various typical uses for the system.

2.1 Configuration and Connection

Any IP-Director workstation can be connected to one or several servers via one physical RS-422 connection. If channel control is required on an individual server then a RS-422 connection must be made to that server. Each connection provides access to only one server for channel control but to the whole XNet that the server is present on for clip and train retrieval, together with all database functionality.

Each server has its channel configuration set individually by selecting an application from the list on the EVS Menu page of the Server's VGA screen.

Server Configuration:

When using an application line with a LSM or Spotbox base configuration, port configuration and protocols are set on the parameters (F8, tab 2) page of the Server's VGA screen (in the EVS Menu).

			CONFIGUR	ATION	enter enter a ser enter R	UNNING			.Za
1.SERU	ER 2.(CHANNELS	3.NETWORK	4.MONITOR	ING 5.PROTOCOL	6.GPI	7.OPER6	TION	
Base Input Outpu Base SLSM 3D 3G/Du	<mark>settir</mark> s ts config Rec al	រ រព្ធន	4 2 Multicam None No No	LSM		Port s RS 422 RS 422 RS 422 RS 422 RS 422 RS 422 RS 422	1/7 settings #1 #2 #3 #4 #5 #6	Advanced EUS Remot EUS IPDP 	Mode te
Chann OUT1 OUT2 IN1 IN2 IN3 IN4	el and PGM1 PGM2 REC1 REC2 REC3 REC3 REC4	PGM1 PGM2 CAM1 CAM2 CAM3 CAM4	l settings Name		Main ctrl EVS Remote EVS Remote EVS Remote EVS Remote EVS Remote EVS Remote	Sec. EUS 1 EUS 1 	ctrl PDP 3 PDP 3 	Mode } Parall } Parall	OSD Sec Sec
H L I +H :	нррту	F3 :Basi	c/Hdvanced	Esc:Quit 1	rgup/rgDn:Chan	ge page	h r	F1 :	ie Ip

Since Multicam 11, the channel configuration can be changed while the Multicam application is running (SHIFT + F2).

Switch to Advanced Mode (F3) in order to display the Secondary Controller.

Refer to the Setup of server for use with IP-Director chapter for more details.

Note

Control of any channel of an individual server requires that an RS-422 connection exists between a workstation and that server. All channels of the connected server can be controlled by any workstation connected by an IP Network to the workstation with the RS-422 link to that server.

If a server has no RS-422 link to an IP-Director Workstation network its channels cannot be controlled.

2.1.1 One IP-Director and One Server

In its most basic configuration, connection is made between one IP-Director Workstation and a server using one RS-422 connection



IPDP Spotbox mode provides all of the functionality of IP-Director to a single server and allows control of all of the server channels from IP-Director or third party devices, but no control from an LSM remote panel. Configuration of the channels, ports and protocols to be used are set up before the server is operational and the configuration can be modified when the server is running since Multicam 11 (SHIFT + F2, Tab2).

LSM mode provides all of the functionality of IP-Director to a single server and allows control of all of the server channels from IP-Director or third party devices, but the primary control of Port 1 must be from an LSM remote panel. Configuration of the channels, ports and protocols to be used are set up before the server is operational and the configuration can be modified when the server is running since Multicam 11 (SHIFT + F2, Tab2).

2.1.2 Multiple IP-Director Workstations and one Server

Several IP-Director Workstations can be inter-connected via Ethernet and with only one station of IP-Director which has a connection via an RS-422 with a server. Any of the IP-Director workstations can thus control the channels of the connected server, and access and manipulate the database of the single server. For example the first workstation can be used for clip creation and playback while the second creates a log sheet and another acts as a browse station, collating and organizing the media for later use.



2.1.3 One IP-Director and a Network of Servers

All the media on an XNet[2] can be accessed. The connection via the RS-422 to a single server machine gives access to media and data from any server or XFile within the network, but **only** control of the channels on the RS-422 connected machine.



2.1.4 Multiple IP-Director Workstations and a Network of Servers

The example below integrates all previous configurations into a complete IP-Director environment. The possible combinations of connections of different devices to a workstation of IP-Director and a server make the architecture easy to connect and very flexible. It is possible to connect a network of up to 29 servers on an XNet[2] to up to 255 IP-Director Workstations. Each Workstation is capable of running all IP-Director Applications, or different workstations can each run an application each and a central database can collate all data from the IP network. As each server has an RS-422 connection to an IP-Director Workstation all channels can be controlled.



2.2 Setup of Server for use with IP-Director

General remark

This chapter describes the necessary steps to configure a primary and second control configuration for a channel but does not describe all the parameters which are necessary to fully configure a server.

Please refer to the EVS server user's manual for more information on how configuring the server.

Serial Link and Channel Configuration

Since Multicam 11 and the new servers hosting V3X and H3X boards, the server can be configured with all 8 channels controlled via one RS-422 connection allowing any combination between 6 record channels and no play channels, 6 play channels and no record channels.

8 channels configurations are supported (4 Play – 4 Rec, 2 Play – 6 Rec,...)

The old server generation can be configured with 6 channels allowing any combination between 6 record channels and no play channels, 6 play channels and no record channels. But the servers are limited to 6 channels (3 Play – 3 Rec, 2 Play - 4 Rec, 4 Play – 2 Rec...)

Since Multicam 11, the server serial port connections and assignment of secondary device control (SONY BVW75, VDCP, ODETICS ...) to the channels can be defined in the EVS configuration menu (F8, tab2 Channels) on the server VGA screen before starting the Multicam application or while the server is running (SHIFT+F2, tab 2 Channels).



Note

The serial port configuration can be changed while the Multicam application is running and doesn't need a restart.

But the channel configuration changes while running require a restart of the application.

Also remember that the serial and channel configuration is stored in each line since Multicam 11. Thus restarting the Multicam on another line may change the serial port assignment.

2.2.1 Multicam LSM Mode

In the configuration menu, while the application is running, then press SHIFT+F2 (tab2 channels).

The following window is displayed (the example below is a Multicam LSM 4 In and 2 Out configuration):

		CONFIGURAT	FION	R	JNNING			.Za
1.SERVER	2.CHANNELS 3	.NETWORK 4.	.MONITORING	5.PROTOCOL	6.GPI	7.OPERATI	ON	
Base set Inputs Outputs Base con SLSM Red 3D 3G/Dual	tings fig	4 2 Multicam] None No No	LSM		Port 8 RS422 RS422 RS422 RS422 RS422 RS422 RS422 RS422	1/2 settings #1 EV #2 #3 EV #4 #5 #6	Basic S Remot S IPDP	Mode te
Channe 1	and control	settings	M_	1				
OUT1 PC OUT2 PC IN1 RF IN2 RF IN3 RF IN4 RF	M1 PGM1 M2 PGM2 GC1 CAM1 GC2 CAM2 GC3 CAM3 GC4 CAM4	nane	EU EU EU EU EU	S Remote S Remote S Remote S Remote S Remote S Remote S Remote				
ALT +A : App	ly F3: Basic/	Advanced E	sc:Quit PgUp	∕PgDn∶Chang	ge page	8	F1 :+	lelp

Press F3 to access the Advanced Mode configuration:

			CONFIGUR	ATION	R	JNNI NG			.Za
1.SERV	ER 2.(CHANNELS	3.NETWORK ·	4.MONITORING	5.PROTOCOL	6.GPI	7.0PER	ATION	
							1/7	Advanced	Mode
Base	settir	igs				Port :	setting	s	
Input	s		4			RS 422	#1	EVS Remo	te
Outpu	ts		2			RS422	#2		
Base	config	ſ	Multicam	LSM		RS422	#3	EVS IPDP	
SLSM	Rec		None			RS422	#4		
3D			No			RS 422	#5		
3G∕Du	al		No			RS422	#6		
Chann	el and	l control	settings						
			Name	Ť	ain ctrl	Sec.	ctrl	Mode	OSD
OUT1	PGM1	PGM1		E	VS Remote	EVS 1	I PDP 👘	3 Parall	Sec
OUT2	PGM2	PGM2		E	VS Remote	EVS 1	I PDP 👘	3 Parall	Sec
IN1	REC1	CAM1		E	VS Remote				
IN2	REC2	CAM2		E	VS Remote				
IN3	REC3	CAM3		E	VS Remote				
IN4	REC4	CAM4		E	VS Remote				
	A 7	DO - D			(D. D 01				
ALT+A :	Apply	F3:Basic	/Advanced	Esc:Quit PgU	p∕PgDn∶ Chang	ye page	3	F1 :	Help

Use the TAB or SHIFT+TAB and \leftarrow , \rightarrow , \uparrow , \downarrow keys on the keyboard to pass from one parameter to the other. Use SPACE BAR to modify the value of a parameter.

For every channel, select the secondary device. You must specify the communication protocol used by the external device, the com port it is physically connected to, the control mode and which OSD will be displayed on the monitoring output of the channel.

The control mode can be:

Exclusive: the main controller and the secondary controller cannot control the channel at the same time. You will always give/get back the control of the channel to/from the main controller interface.

Parallel: the main and secondary controller can control the channel at the same time. It will typically be the case when the same operator wants to control a channel from 2 different devices at different times.

When working in parallel mode, you must specify which OSD settings will be used on the monitoring output of the channel: the OSD configuration of the main controller or that of the secondary controller.

The particularities of that mode are:

- One EVS remote device must be connected on RS422 #1
- The EVS remote device must be defined as the main controller of PGM1. The IP-Director can be defined as secondary controller of this channel.
- The recorders can only be started / stopped from the EVS remote device. The IP-Director applications cannot start nor stop the recorder channels.
- The server can be set to be used as a standard LSM and then have up to five channels controlled using one RS-422 port.

2.2.2 IPDP SPOTBOX mode

In the EVS configuration menu, in the application list, select the line corresponding to your configuration, then press F8 (tab 2 Channels).

The following window is displayed (the example below is a 2 In and 4 Out configuration):

			CONFI GURAT	[ION	NOT	RUNNI	NG		
1.SERU	ER 2.0	CHANNELS	3.NETWORK	4.MONITORING	5.PROTOCOL	6.GPI	7.OPER	ATION	
								1/2 Basic	Mode
Base :	settin	gs				Port	setting	S	
Input	s		2			RS 422	#1	EVS IPDP	
Output	ts		4			RS422	#2		
Base	config	ſ	Spotbox			RS422	#3		
SLSM	Rec		None			RS422	#4		
3D			No			RS422	#5		
3G/Du	al		No			RS422	#6		
			110			110 100			
Channe	el and	control	settings						
Gridani	CI UNO	CONCIOL	Name	M	ain ctwl				
OUT1	PCMI	PCM1	Hand	F		1			
	PCM2	PCM2		E	US IPNP	1			
0012	PCM3	PCM3		E	UC IPNP	1			
	DCM4	PCMA		E	UG IDND	4			
TNI	DECI	COMEDO	4	E	UG IDND	4			
TN2	DECO	COMEDO	1 9	E	VS IFDF He IDND	1 1			
INZ	NEGZ	GHLIEVH	4	E	V9 ILDL	T			
0IT +0 -1	Ó	D2 · Da a i a	10 duana a	Feet Out & Dell	A A Ber De t Chan		-	D4 - 1	Le lu
HPT +H :	нррту	rj:Basic.	/Havancea	Escayult Pgu	p/rgun:Unan	ge pag	e	F1 :	нетр

Press F3 to access the Advanced Mode configuration:

	CONFIGURAT	LION	NO [®]	T RUNNI	NG		
1.SERVER 2.CHANNELS	3.NETWORK	4.MONITORI	NG 5.PROTOCO	L 6.GPI	7.0PE	RATION	
					1/	7 Advanced	Mode
Base settings				Port	setting	ys	
Inputs	2			RS 422	#1	EVS IPDF	,
Outputs	4			RS 422	#2		
Base config	Spotbox			RS 422	#3	Sony BVW	75
SLSM Rec	None			RS 422	#4	Sony BVW	75
3D	No			RS 422	#5	Sony BVW	75
3G/Dual	No			RS 422	#6	Sony BVW	75
Channel and contro	l settings						
	Name		Main ctrl	Sec.	ctrl	_ Mode	OSD
OUT1 PGM1 PGM1			EVS IPDP	1 Sony	BVW75	3 Parall	Main
OUT2 PGM2 PGM2			EVS IPDP	1 Sony	BVW75	4 Parall	Main
OUT3 PGM3 PGM3			EUS IPDP	1 Sony	BUW75	5 Parall	Main
OUT4 PGM4 PGM4			EVS IPDP	1 Sony	BVW75	5 Parall	Main
IN1 REC1 CAMER	A1		EUS IPDP	1			
IN2 REC2 CAMER	A2		EVS IPDP	1			
QLT+Q:Qualu F3:Baci	heanse have	Fee:Quit F	ally /PaDp : Char	000 020	0	F1 -	Heln

Use the TAB or SHIFT+TAB and \leftarrow , \rightarrow , \uparrow , \checkmark keys on the keyboard to pass from one parameter to the other. Use SPACE BAR to modify the value of a parameter.

For every channel, select the secondary device. You must specify the communication protocol used by the external device, the com port it is physically connected to, the control mode and which OSD will be displayed on the monitoring output of the channel.

The control mode can be:

Exclusive: the main controller and the secondary controller cannot control the channel at the same time. You will always give/get back the control of the channel to/from the main controller interface.

Parallel: the main and secondary controller can control the channel at the same time. It will typically be the case when the same operator wants to control a channel from 2 different devices at different times.

When working in parallel mode, you must specify which OSD settings will be used on the monitoring output of the channel: the OSD configuration of the main controller or that of the secondary controller.

Please refer to the **Multicam user's manual** for more information on how to define main and secondary devices control of channels.

2.3 SERIAL LINK REDUNDANCY

Two serial links can now be connected to two serial ports of the same server. The two links are connected to two different IP-Director workstations. No special configuration is needed on the IP-Director side.

On the server side, protocol IPDP must be defined on the two serial ports to activate the redundancy mechanism. This is as simple as that. The Multicam will manage the two links automatically.

Mode Multicam LSM

In the configuration menu (Tab 2 Channels), two ports IP-Director (protocol IPDP) must be defined. In this situation, if a connection is lost, it connects the second connection defined.

		_	CONFIGURAT	TON	0.0000000000000000000000000000000000000	NOT	RUNNI	NG			
1.SERU	FR 2.	CHANNELS	3.NETWORK	4.MONITO	RING 5.	PROTOCOL	6.GPI	7.0PH	ERATIO	N	
									1/2	Basic	Mode
Base	setti	ngs					Port :	settin	igs		
Input	s		4				RS422	#1	EVS	Remot	е
Outpu	its		2				DC 422	#0			
Base	confi	g	Multicar	n LSM			RS 422	#3	EŲS	I PDP	
SLSM	Rec		None				RS 422	#4	EVS	I PDP	
3D			No				No 444	#5			
3G∕Du	ıal		No				RS 422	#6			
Chann	iel an	d control	l settings								
			Name		Mair	ı ctrl					
OUT1	PGM1	PGM1			EUS	Remote					
OUT2	PGM2	PGM2			EUS	Remote					
IN1	REC1	CAM1			EUS	Remote					
IN2	REC2	CAM2			EUS	Remote					
IN3	REC3	CAM3			EUS	Remote					
IN4	REC4	CAM4			EVS	Remote					
ALT +A :	Apply	F3:Basio	:/Advanced	Esc:Quit	PgUp/I	'gDn :Chang	ye page	3		F1 :H	elp



At startup, the server will connect the IP-Director with the lowest local machine number.

Mode Spotbox

Since Multicam 11, the serial port redundancy configuration is the same for Spotbox and Multicam LSM mode.

In the configuration menu (Tab 2 Channels), two ports IP-Director (protocol IPDP) must be defined. In this situation, if a connection is lost, it connects the second connection defined.

			CONFI GURAT	TION	NOT	RUNNI	NG		
1.SERU	ER 2.(CHANNELS	3.NETWORK	4.MONITORING	G 5.PROTOCOL	6.GPI	7.OPERAT	ION	
							1/	2 Basic	Mode
Base	settin	igs			-	Port :	settings		
Input	s		2			RS 422	#1 E	US IPDP	
Outpu	ts		4			RS 422	#2 E	VS IPDP	
Base	config	ſ	Spotbox			12461	#J ð	ony Bvw	75
SLSM	Rec		None			RS 422	#4 S	ony BVW	75
3D			No			RS 422	#5 S	ony BVW	75
3G∕Du	al		No			RS 422	#6 S	ony BVW	75
	_								
Chann	el and	l control	. settings						
	-	-	Name		lain ctrl				
0011	PGM1	PGM1			EUS IPDP	1			
0012	PGMZ	PGMZ			EUS IPDP	1			
UUI3	PGM3	PGM3			EUS IPDP	1			
0014	PGM4	PGM4		J	EQS IPDP	1			
INI	REGI	CHMERH	1]	EVS IPDP	1			
INZ	REGZ	GHMERH	Z	J	EQS IPDP	1			
0T.T +0 *	Annlu	F3: Basic	-/Aduanced	Fee:Ouit Pa	In/Palln : Chan	we naw	0	F1 - 1	leln
nui •n-	пррту	La Das It	// navanceu	Loc-quite Fy	prigun-onal	ige pagi	6	1.7 -1	uc th



Note

At startup, the server will connect the IP-Director with the lowest local machine number.

2.4 Gigabit Connection for Software Player and XML Unit

The Gigabit connection of the EVS servers has become an essential element of any setup.

It is used to backup, stream and restore the video content on the servers, but it also allows accessing trains and clips from the interface of the IP-Director software player.



In order to use the software player within the IP-Director application, all the servers, where the trains and clips should be browsed, have to be connected on the same Gigabit Ethernet as the IP-Director workstations. The IP address range and the subnet mask should match the IP-Director and XT-Access LAN settings.

Default Gateway settings are available if the servers and workstations are spread in different VLANs.

Note

The Gigabit connections required a GBX module on the H3X (or HCTX) Board in the servers. Gigabit connectors can be present on the back of the server without a GBX module inside.

Please refer to the **Multicam Technical Reference Hardware** for more information.

Since Multicam 11, the Gigabit Ethernet configuration is available while the Multicam is running (SHIFT+F2, tab 3 Network) or, this is new, before launching the application line (Select the line, press F8, tab3 Network).

	CONFIGURATION	NOT RUNNI	NG
1.SERVER 2.CHANNELS	3.NETWORK 4.MONITO	RING 5.PROTOCOL 6.GPI	7. OPERATION
SDTI Speed Net Name Net Number Type	No Relay 1485 XT[3] 3 3 Server		1/1 Basic Mode
Gigabit Ethernet	Pont 1	Bout 2	
IP Address Subnet Mask Default Gateway	001.001.001.003 255.255.000.000 001.001.064.050	002.001.001.003 255.255.000.000 002.001.064.050	
ALT+A:Annly F3:Basic	Advanced Esc:Quit	Pulp/PuDn:Change pag	e F1:Helu

Set IP Address, Subnet Mask and Default Gateway and press ESC to apply the configuration modifications.

If the Gigabit Ethernet configuration is modified while the Multicam is running, a restart will be requested in order to apply the new addresses, masks or default gateway.

Note

The Gigabit settings are sent to the IP-Director database and would be monitored in the LAN and WAN tab within the Remote Installer.

Please refer to the LAN and WAN Configuration chapter for details.

Some limitations and recommendations exist on the Gigabit connections:

- 6 accesses maximum per HiRes server including backup, restore, streaming and software player browsing.
- 30 accesses per LowRes server could be done on a Hi-Lo IP-Director setup (advanced setup for large workflow).
- A software player browsing has the same impact on a server disk array as a local or distant PGM.
- Gigabit connections manage Ethernet frame size: Original (1500) or Jumbo Frames (9000 bytes of payload (MTU)) which offer better performances around 30%. If IPD and XT-Access workstations should negotiate jumbo frames with servers, all Gigabit Ethernet NICs and switches have to be configured in order to support this frame size.

3. REMOTE INSTALLER

The Remote Installer allows you to install and configure all IP-Director workstations on the network from any IP-Director workstation.

The tool allows any administrator to remotely manage (configure, start, stop...) all IP-Director Workstations on the network.

The remote installer is a service and a configuration application.

The service is started automatically at start up and the configuration application (the GUI), can be run from the XP tool bar but can only be run on one workstation at one time for **editing**.

Since version 5.X and 6.X, it can be also run in a **Read Only** mode. This mode allows the administrator to open the Remote Installer on several workstations at one time. Only viewing configuration is allowed no editing. For editing, the rule is the same as before, only one instance of the Remote Installer at one time.

Login			×
Login : Password :	Read Only	Ok	Cancel

This new feature will be reviewed in detail in the following chapter.

3.1 Start the Remote Installer application.

To launch the IP-Director Remote Installer on one machine, right click on this icon in the XP toolbar:



Then choose the option "Open Configurator" in the contextual menu.

Open Configurator
Open IP Browse Configurator
Monitor Status

The login window appears.

Login			×
Login : Password :			
	📃 Read Only		
		Ok	Cancel

Enter the **Login** and **Password** which have been provided by your administrator.

Check **Read Only** to open another Remote Installer on the network avoiding to close the open one. The Remote Installer opened in Read Only mode gives a limited access. The settings can't be edited, only viewed.



Note for the administrator

If you are the administrator and if you log on for the first time, you must use the following login and password (case sensitive):

Login: administrator

Password: evs

Note

If no valid database has been restored, the administrator/evs login/password will not work.

If the database cannot be reached due to a network problem or the local database is stopped, the administrator/evs login/password may not work as well.

If your workstation is not connected anymore to the last used database, this window appears



Click Yes, to open the Database Configuration window:

Edit WorkGroup	" Database Configuration					
		Database				
	Database Information		_			
	Database Nar Server	me Media				
	Jeivei	1.1.04.00				
	Username Password	sa •••				
	Save Cancel					

Modify the Server name (Computer Name or IP address) to specify your new database containing a valid Login/Password.

<u> </u>	Note
	All IP-Director Workstations have their own database. In Standalone mode, specify the computer name or the IP address of your workstation.

If you have no Ethernet activity on any network adapter, restart your workstation. The remote installer will point automatically on the IP address 127.0.0.1 (which is the Windows default local host address)

_

You have started the application, the Remote Installer icon in your toolbar changes like this:



This Remote Installer splash window opens:





Note

This icon shows the existence of another Remote Installer already open on the network.

As described before, it is now possible to open a **Read Only** mode.

When logging, just check the box $\ensuremath{\textbf{Read}}$ $\ensuremath{\textbf{Only}}$ to access this 'view config' mode.

Login			×
Login :			
<u> </u>			
Password :			
	🔽 Read Only		
		Ok	Cancel

If another Remote Installer is already open and the administrator forget to check the **Read Only** option, a confirmation message is displayed.

Remote installer already open in Edit mode							
A remote installer is already opened in edit mode on this network. Would you like to open it in read only mode or in edit mode ?							
Read only mode Edit mode							

Pressing the **Edit mode** button will close the distant Remote Installer without prompting the administrator.

Remote Installer - 06					
File Change Network Interface Tools Restart All Remote Installer Refresh	Open IP Browse Cont	figurator			
- WorkGroup : Global (3 Machines)	Start all Programs	Stop all Running Programs	Install Version Conf	igure Launch Plugin	Database : 1.1.180.30 - Media
1_IPDA180300 (1.1.180.30) IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP-Drive SN : 180300	e IP API	Summary IPD-Routing has 2 physical co SynchroDB is in Restricted Sta VTR Engine is managing 0 VT IP Drive - Excluded drives are	nnections (AVH-RS422-1, AV and Alone Mode. It is managin R : A,B,C,R	H-RS422-2) g 1 XT (33660)	€ • 06
STORE64580 (1.1.64.58)	ſ	Summary			
SN : 64580		IP Drive - Excluded drives are	A,B,C,G,R		v 06
O D864500 (1.1.64.50)	IPAPI	Summary			
SN : 64500					v 06
Machines on 1 WorkGroup				NumUser SynchroDB Data	base Restart Machine Serial Numb

Once started, you can see all the workstations belongings to the Network:

The lower left corner shows information about number of machine in the network. 3 Machines on 1 WorkGroup

At the far right side of each workstation, the remote Installer Version number is displayed:



This information can be useful to check if all workstations have the right version of Remote Installer. This Version number should correspond with the Version number info shown in the upper left corner of the application



3.2 Workstation LIST

Each blue horizontal line represents an IP-Director workstation and is characterized by its computer Name, IP Address and an optional description:

1_IPDA180300 (1.1.180.30) [BROWSER 1]

Each workstation of the network is represented with its own:

1_IPDA	180300 (1.1.180.)	30) (BROWS	ER 1]				Summary IPD-Routing has 2 physical connections (AVH-RS422-1, AVH-RS422-2)	- Sector 🔬
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API	SynchroDB is in Restricted Stand Alone Mode. It is managing 1 XT (33660) VTR Engine is managing 0 VTR	
SN: 180300							IP Drive - Excluded drives are : A,B,C,R	v 06.

A contextual menu with advanced features can be displayed on every workstation. Please refer to the **Workstation Contextual Menu** chapter for more information.



Note

This icon shows the workstation where the Remote Installer is open.

This easily allows the user to locate the workstation that you are currently seated in the list.

Workstation color status:

- A **BLUE** color background indicates the machine has the same version as the first workstation in the list and no conflict is detected.
- A **YELLOW** color background means that some IP-Director software components have incompatible versions or that some workstations don't have the same version installed.
- A **RED** color background indicates a conflict has been detected in the configuration settings (SynchroDB server management, Local machine number, DB configuration, no serial number defined...)
- An **ORANGE** color background indicates that a restart of the workstation is needed.

Workstation modules:

IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API
8	IPD-Routin service ma	ng: Used to nagement Ch	start the IP apter)	D-Routing Se	rvice (see	IPD Routing
	This service	e starts auton	natically on IP-	Director works	stations.	
۲	SynchroDl Manageme	B: Used to ent Chapter)	start the S	SynchroDB So	ervice (see	SynchroDB
	This service	e starts auton	natically on IP-	Director works	stations.	
R R	IP-Director Configuration	r: Used to on Chapter)	start the IP-	Director App	lication (see	P-Director
ø	IP-Schedu Chapter)	ler: Used to	start the IP-	Scheduler Se	ervice (see	P-Scheduler
	This servic starts manu	e can be star ually on IP-Dir	ted automatic rector worksta	ally if configur tions.	ed to do so.	Otherwise it
	VTR Engi Chapter)	ne: Used to	start the VT	R Engine Se	ervice (see	VTR Engine
	This servic starts manu	e can be star ually on IP-Dir	ted automatic rector worksta	ally if configur tions.	ed to do so.	Otherwise it
9	IP Drive: U	lsed to start th	ne IP Drive Se	rvice (see IP [Drive Chapte	r)
	This servic starts manu	e can be star ually on IP-Dir	ted automatic rector and Sto	ally if configur rage workstati	ed to do so. ons.	Otherwise it
6	IP API: Use	ed to start the	IP API Servic	e (see IP API	Chapter)	
	This servic starts manu	e can be star ually on IP-Dir	ted automatic rector and API	ally if configur Proxy worksta	ed to do so. ations.	Otherwise it

3.3 Remote Installer menu

File Change Network Interface Tools Restart All Remote Installer Refresh Open IP Browse Configurator

File: Use to exit the Remote Installer.

Change Network Interface: Used to specify the network interface connected with the database and the other workstations.

Choose Network Interface	
(1.1.180.30	
	Ok

Select the IP address corresponding to the right interface if you forgot to specify it after installing the Remote Installer setup.

Note

This option appears only if several network interfaces are enabled and connected on the workstation.

In the event of WAN connections, this network interface can have an impact on functions.

Tools: Used to activate the new Monitoring Information and show the Software Player version within the Remote Installer.

Too	ls
~	Monitoring Information
~	Show Software Player Version

Checking the first option will display Monitoring Information on each IP-Director workstation when the services (SynchroDB, IP-Routing) are started.

The second option will display the Software Player version in place of the IP-Director version.

1_IPDA	180300 (1.1.180	30) (BROW S	SER 1]
IPD-Routing	SynchroDB	IP Diroter 02.01.	IP-Scheduler
SN : 180300	Pc: 0/0 - X	T :0/0	

Restart All Remote Installer: Used to send a restart command to the Remote Installer of each workstation.

Refresh: Used to refresh the listed workstations detected by the Remote Installer. (Refresh is automatically done with a time out).



Open IP Browse Configurator: Launch a configuration tool which is designed to define the database explorer views within the IPBrowse clients. **Please refer to the IP Browse Configurator chapter.**

3.4 Workgroup functionalities

For one workgroup you have 5 functionalities.

Start all Programs	Stop all Running Programs	Install Version	Configure	Launch Plugin	Database : 1.1.180.30 - Media

Start All Programs:

Click this button to start all programs (IPD-Routing, SynchroDB, IP-Director and IP-Scheduler, VTR Engine, IP Drive if Auto Start is enabled) on all IP-Director Workstations of your workgroup.

Stop All Running Programs:

Click this button to stop all running programs (IPD-Routing, SynchroDB, IP-Director, IP-Scheduler, VTR Engine and IP Drive) on all workstations of your workgroup.

Install Version:

Click this button to install a new **Package** or a new **Remote Installer Version**. This installation is applied to IP-Director Workstations within the current workgroup.

• Select Install Package to install an IP-Director package (the .ipd file)

Install Versic	Install Package
	Install Remote Installer Version

The package will be imported and automatically activated. A package includes IPD Routing, SynchroDB, IP-Director, IP Scheduler and VTR Engine compatible versions.

Refer to the **Install Package** paragraph below in this document for more information.

• Select Install Remote Installer Version to force the installation of the current Remote Installer version.

Install Versic	Install Package
	Install Remote Installer Version

The Remote Installer Version will be deployed on all IP-Director Workstations within the current workgroup.



Important

As the deployment is an automatic process, be careful when a Remote Installer is open when installing a new station with a newer version. This version will be spread over the whole workgroup.

Refer to the **Install Remote Installer Version** paragraph below in this document for more information.

Configure:

Click this button to configure all the workstations of your workgroup. (See also **General Parameters Configuration** Chapter)

Launch Plugin:

This button allows you to launch plug-in.

(See also Plugin Chapter)

Database:

¢

Right click this button to configure your database, to backup your database, to restore your database, to clean your database or to execute script (See **Database Configuration** Chapter for more information)

	Note							
	The workgroup functionalities are hidden in a Read Only mode and the Configure button is replaced with a View Config button.							
	Database configuration is displayed without access to right-click menu.							
	View Config	Database : 1.1.180.30 - Media						
	It gives a greyed view of the configuration's Tabs.							

3.5 Plugins

Click Launch plugin to open a browser of Plugins Folder.

ل Choose plugin to launch		×
V IP-Director > Plug	ins ▶ 🔹 🚽 Search Plugin	s 🔎
Organize 🔻 New folder		= • 1 0
 EVS Broadcast Equipme CommonSNMPAgen IP-Director IP-Director IP-Director IP-Cheduler IP-Scheduler IPWebService Layouts Plugins UpgradeR4ToR5 Remote Installer Routage Scripts Stups SynchroDB User Manager Versions 	Name UpgradeR4ToR5 [IP]Director_6_API.hta [IP]Director_6_ConfigGenerator.hta [IP]Director_6_ConfigGenerator.hta [IP]Director_6_ImportExport.hta [IP]Director_6_Storage.hta [IP]Director_6_Storage.hta [IP]Director_6_XML_Queues.hta [IP]Director_6_XML_Queues.hta EVS-DB-Logs.hta EVS-DB-Tool.hta EVS-DNS-Configuration.hta EVS-TimeSync-Configuration.hta NestedTreePlugin.plugin Users Plugin.plugin	Date modified 22/Oct/2012 1:26 22/Oct/2012 1:26
File <u>n</u> ame:	IP-Director Plug	gin/hta/vbs (*.pl 🔻
	<u>O</u> pen	Cancel

Different plugins are available:

[IP]Director_6_API.hta:

This plugin lists and clears the Observer and Notification tables in the IP-Director database. When a third party software connects to the IP-API and by mistake register too much observers and fill the notifications table, this tool is quite useful to avoid the IP-API service being 'Out of Memory'.



[List Observers]

List of registered notifications observers (Name + ID + Notification type)

[List Notification Queue]

List of queued notifications

[Clear Observers]

This function deletes Notification observers from the IP-Director Database.

[Clear Notifications]

This function clears the Notification queue for all API Clients.

All IP-API Services (in server mode) should be restarted to take this clean into account.

[IP]Director_6_Check_DB.hta:

This plugin checks the compatibility of the database and the SQL server used by an IP-Director v6 workgroup.

It also checks the IP Engine License protecting the database.



[Check database configuration]

- o Check the SQL version
- o Check the Fulltext Search service installation
- o Disable the Fulltext Search signature internet update
- o Check that the database is Fulltext enabled
- o Check that the Fulltext indexes are populated automatically
- o Check that the Fulltext catalogs are correctly rebuilt
- o Configure the Fulltext Search noise files
- o Restart the Fulltext Search service to take the modifications into account

[Verify IPEngine License]

Select the Database where the licence check needs to be done and press the **Check IPEngine** button.

The results are displayed in the status zone.

[IP]Director_6_ConfigGenerator.hta:

This plugin exports the IP-Director workgroup configuration in an XLS file



[Generate IPD workgroup config file]

Select the group in the drop down menu and press the Export config button.

After a few seconds, an XLS file is generated and its location is displayed in the status zone.

[IP]Director_6_ImportExport.hta:

This plugin permits exporting a part of a workgroup configuration and importing it into another workgroup. You will be able to export/import Targets and XMLUnits.

IPD Import - Export		
E¥S	[IP] Director V6 : Import - Export Click on the action you want to perform [Export Targets and XML Units to file]	Â
	[Import Targets and XML Units from file]	
	[Status] Currently connected to server : 1.1.180.30 - DB : Media	
	[HELP]	
	© EVS Broadcast Equipment - Version 6.0.1 - 03/09/12	-
[Export Targets and XML Units to file]

Allows browsing for an export folder and exporting the targets to a file.

[Import Targets and XML Units to file]

Allows browsing for a previously exported target file and importing the targets in the database.



Important

Never import the file twice. Never import the file exported from the same workgroup.

[IP]Director_6_0rphanedLow2Bin.hta:

This plugin puts any LoRes clip not associated to a Hires clip anymore into a specified bin.

IPD Eler	ments to bin		- • •
	EVS	[IP] Director V6 : Orphaned Lo to Bin	^
		Click on the action you want to perform	
		[Add Orphaned LoRes Elements to a Bin]	
		[Status]	
		[HELP]	
		© EVS Broadcast Equipment - Version 6.0.1 - 17/06/10	~

[Add Orphaned LoRes Element to a Bin]

- o The operator selects an existing bin where the clips must be added to
- o The HTA adds the orphaned LoRes clips to the bin

[IP]Director_6_Storage.hta:

This plugin has been designed to clean a database coming from an [IP] Director setup and still showing servers and Nearline not present in the setup where this DB is used.

Typical scenario: take a database backup on a running workgroup and restore in another setup.

Starting this plugin, a warning message is displayed:



EVS strongly recommends performing a backup of the database before using this tool.

IPD Stor	ige					_
	EŲS	[IP] I	Directo _{Clear}	r V6 : St nup	orage	
		Click on the [Set a	e action you want Online XT to (to perform Offline]		
		[Set a On	line Nearline	to Offline]		
		[Clean offli	ne XT referend	ce from DB]		
	[Clean offline	Nearline refer	ence from DB]	
			[Status]			
			[HELP]			
		© EVS Broadcast	t Equipment - Version	6.0.1 - 14/11/11		-

[Set an Online XT to Offline]

Set a server, its recorders, its players and its clips to the Offline status. They will not be seen online anymore in the IP-Director if no SynchroDB manages this server.

[Set an Online Nearline to Offline]

Set a Nearline directory and its clips to offline status. They will not be seen online anymore if no SynchroDB manages this Nearline.

[Clean offline XT reference from DB]

Deletes a server, its recorders, its players and any reference to this server (including the clips, log associations...) from the database.

[Clean offline Nearline reference from DB]

Deletes a Nearline directory and all the files and clips from the database. This Nearline will not be seen in the IP-Director anymore even in the offline view

[IP]Director_6_Timeline2Bin.hta:

This plugin adds the clips created or used by a timeline into a specified bin.

IPD Tim	eline to bin		. • 💌
	EVS	[IP] Director V6 : Timeline to Bin	^
		Click on the action you want to perform	
	[Add Timeline Elements to a Bin]		
		[Add Orphaned Timeline Elements to a Bin]	
		[Status]	
		[HELP]	
		© EVS Broadcast Equipment - Version 6.0.1 - 17/06/10	-

[Add timeline element to a bin]

- The operator chooses a timeline and a bin
- The HTA adds the clips used by the timeline into the bin

[Add orphaned timeline elements to a bin]

- The operator chooses a bin
- $\circ~$ The HTA adds to this bin the clips created by a timeline but not used in a timeline anymore.

[IP]Director_6_XML_Queues.hta:

This plugin monitors the XML folders used by an IP-Director workgroup. It monitors the XMLUnit, the log export and the IP-Scheduler job folders. For each folder the plugin shows if the folder is online and how much files are currently in the folder. The values are automatically refreshed by the HTA. Color coding is used to highlight folders with a big amount of files.

[IP] Director - XML Que	ues				
	[IP] Di	rector - XM	L Queues	*	
		XMLUnits			
	XMLUnit	Path	Status Files		
	LoadBalancing	\ <u>\DB64500\LoadBAL\</u> \YSTOPE64580\YT&ccor	Offline () Sc. XML \ Opling ()		
	XML Unit 2	\XSTORE64580\XFile_XI	ML\ Offline 0		
		Log Exports			
Targ	jet Name		Path	Files	
Logs> Ex	Logs> External IPD Setup <u>\\DB64500\ThirdParty\EVS TO DB\EVS TO TODO\</u> 0 22/0¢/2012 4;15;43 PM				
		IP Scheduler Job	S		
Target Name Path Files 22/0d/2012 4:15:43 PM					
Connected to server : 1.1.180.30 on database Media					
Close window					

EVS-DB-Logs.hta:

This plugin brings you information on the SQL database. This plugin must be executed locally on the workstation which hosts the database.



[Get SQL configuration]

Displays the SQL Server Version.

[Get blocking connections list]

List the SQL connexion that blocks other SQL connexions. This could be useful to determine which workstation / application locks a table and prevents other connexions to gain access to this table.

[Get lock list]

List the tables or objects locked by the SQL connexions.

[Get index fragmentation report]

Displays the fragmentation statistics on tables and indexes.

[Get Mirroring Statistics]

Displays the mirroring statistics and mirroring state.

[Get Fulltext Statistics]

Displays the fulltext catalogs statistics, enabled or not, the tracking mode.

[Dump all the information to a log file]

Saves the above information in a text file. This file could be sent to EVS for debugging purpose.

EVS-DB-Tool.hta:

This plugin can create maintenance Jobs on the local SQL Server, Backup a local database, Restore a local database based on the last backups recorded on the local server, Manually rebuild Database Indexes / Fulltext Catalogs or Create Robocopy jobs.



[Create Maintenance Jobs]

This part of the tool creates the maintenance jobs explained in the first part of the document.

Jobs created are:

- o A DB Full backup every hour
- o A DB Transaction Log backup every 15 minutes
- o A DB Index rebuild every day at 02:00
- \circ The system database full backup every day at 03:00
- A MSDB cleanup and automatic backup every 15 minutes

[Backup a Database]

Creates a manual full or transaction log backup from the specified database.

[Restore a Database from History]

Restores a database from the lasts backups. The backup file list is obtained from the local SQL Server. It can be used to easily restore a previous version of the local database but not to restore a database coming from another server.

[Restore a Database from File]

Restores a database contained in a backup file.

The database will be restored with its original name in the local server default directory.

This part of the tool is specially designed to restore databases coming from another server especially with different database folder path.

[Manually Rebuild Database Indexes]

Rebuilds all the indexes defined in the specified database

[Manually Rebuild FullText Catalogs]

Rebuilds all the FullText catalogs associated to the database v5.

[Create ROBOCOPY Job]

Creates a job that replicates a folder to a network share (typically to replicate backup files to another storage)

EVS-DNS-Configuration:

This plugin helps you to enable, configure a DNS Server on an IP-Director network. It also populates configuration on all the workstations. The DNS Server reduces latencies on IP-Director.



[Add DNS zone]

Add a forward DNS zone and/or a reverse lookup zone to a Primary and a secondary DNS Server.

The tool checks:

- If the DNS server is installed (install it if needed).
- If the DNS service is started (start it if needed).
- o If the DNS suffix is configured on both DNS servers.
- Creates the DNS Zones on the DNS servers.

[Remove DNS zone]

Disable the DNS zone on a DNS server.

[Propagate DNS config to clients]

- Apply a DNS configuration to remote workstations (in a client list).
- The client list file contains the list of all workstation where the DNS configuration will be propagated.
- The primary DNS will be configured as the Primary DNS Server on the Network Interface connected to the defined Network.
- The secondary DNS will be configured as the Secondary DNS Server on the Network Interface connected to the defined Network.
- o DNS Suffix will be set as the primary DNS Suffix on the workstation.
- \circ Network helps to determine on which network interface this configuration should be applied.

EVS-TimeSync-Configuration:

Since windows 2000, Windows OS uses an internal service to synchronize the time in a domain environment. This service (Windows Time aka w32time) can be configured to play either a client or a server role even in a workgroup environment. This service can use an external source (NTP server) as the time reference as well.



[Configure Windows Time]

Configures the "Windows Time" service on a Windows station as Time Server.

[Propagate Time config to clients]

Configures windows clients to use the" windows Time" servers as time references.

SERVER CONFIGURATION

- Primary Windows Time Server: Computer name or IP address of the computer that will become the main time server on the network. The HTA will apply registry values on that computer and restart the Windows Time service.
- Secondary Windows Time Server: Computer name or IP address of the computer that will become the backup time server on the network. The HTA will apply registry values on that computer and restart the Windows Time service.
- Time Reference (NTP) : NTP server used by the 2 Time Servers to have a time reference
- **Deploy configuration to IP Director Workgroup:** Configure the IP Directors detected by the local remote installer to used the 2 Time Servers as time reference.

CLIENT CONFIGURATION

- **Client list (file):** Text file with the IP addresses of the windows client to configure.
- **Primary Windows Time Server:** Computer name or IP address of the computer used as Main Time Server.
- Secondary Windows Time Server: Computer name or IP address of the computer used as Backup Time Server.

NestedTreePlugin.Plugin:

This plugin checks the DB Nested Trees and remove potential DB corruptions.

😫 NestedTree 🛙	😫 NestedTree Plugin Release 6 - Media on 1.1.180.30				
Bin	Check Rebuild				
Directory	Check Rebuild				
Logsheet	Check Rebuild				
Dictionary	Check Rebuild				
Production	Check Rebuild				

Press all the **Check buttons** to proceed Bin, Directory, Logsheet, Dictionary and Production verification.

😫 NestedTree Plugin Release 6 - Media on 1.1.180.30 🛛 🛛 💽				
Bin	Check Rebuild	OK		
Directory	Check Rebuild	NestedTree is corrupt		
Logsheet	Check Rebuild	ОК		
Dictionary	Check Rebuild	NestedTree is corrupt		
Production	Check Rebuild	OK		

Rebuild all the corrupted NestedTrees.

😫 NestedTree Plugin Release 6 - Media on 1.1.180.30 📃				
Bin	Check Rebuild	ОК		
Directory	Check Rebuild	Rebuild OK		
Logsheet	Check Rebuild	OK		
Dictionary	Check Rebuild	Rebuild OK		
Production	Check Rebuild	ОК		

Once all the 5 lines display a green status, the DB is rebuilt.



Important

Rebuilding a nested tree "Bin/Logsheet/Dictionary/Production" must be followed as soon as possible by a restart of all the IP-Director applications in the workgroup.

Rebuilding a nested tree "Directory" must be followed as soon as possible by **a restart of all the IP-Director services** in the workgroup (stop all programs, start all programs).

This should be thus scheduled as a major maintenance.

Rebuilding trees and not restarting applications or services is worst than keeping the nested trees corrupted.

Users Plugin.plugin:

This plugin imports/exports user(s) or profile(s).

😫 Users Plugin Release 5 - Media on 1.1.180.30	- • •
Import	
Export John Mark (Mark, Smith) Browser Profile Logger Profile Media Manager Export all)
	Quit

You have the possibility to export/import user(s)/profile(s).

[Import]

To import user(s) /profile(s), click the Import button. A browser window appears.

😫 Select User Files to import				
Search Documents				
Organize 🔻 New folder		:= - 1 🔞		
★ Favorites	Documents library Includes: 2 locations	Arrange by: Folder 🔻		
🧮 Desktop	Name	Date modified		
Libraries	My Pictures	14/Jul/2009 5:53 AM		
Documents	My Videos	12/Jan/2012 11:57		
	My Videos	14/Jul/2009 5:53 AM		
	🖟 SQL Server Management Studio	Express 6/Jun/2012 8:33 PM		
Pictures	\mu Visual Studio 2005	6/Jun/2012 8:33 PM		
Videos	📄 Profile Browser Profile.xml	23/Oct/2012 10:50 😑		
DVB	🔮 Profile Logger Profile.xml	23/Oct/2012 10:50		
🖳 Computer	🔮 Profile Media Manager.xml	23/Oct/2012 10:50		
👝 System (C:)	User evs.xml	23/Oct/2012 10:50		
👝 Restore (R:)	🔮 User John.xml	23/Oct/2012 10:50		
🚍 Software (\\db64500) (Z:)	🔮 User Mark.xml	23/Oct/2012 10:50 👻		
📬 Network 💌	•			
File <u>n</u> ame: User John.xml 👻 User File (*.xml)				
	(Open Cancel		

Select the folder where are saved the User XML files. Choose user(s) you want to import and click Open. The import is done.

If the user or profile already exists in the database a warning appears:

Choose Yes if you want to replace it or No if you don't want to overwrite this user or profile(s).

Import 💽	
All imports succeed	
ОК	

This window confirms successful importation.

[Export]

To export specific user(s) /profile(s), select them in the users' list and click the "Export selected user(s)" button. A browser window opens.

Browse For Folder	X
📃 Desktop	
Libraries	
DVB	
⊳ 🖳 Computer	
🖻 📬 Network	
Control Panel	
🗑 Recycle Bin	
Make New Folder	OK Cancel

Select an export Users folder and click OK. A XML file is created for each selected user. To export all users, click the "Export all" button and choose the export Users folder in the browser window. A XML file is created for each user.

3.6 Install Remote Installer Version

Within a workgroup, the Remote Installer Version is automatically deployed on all the IP-Director workstations.

Select Install Remote Installer Version in the Install Version menu.

Install Versio		Install Package
		Install Remote Installer Version

The Remote Installer starts to install the version on all workstations within the current workgroup.

On each workstation listed in the Remote Installer, this progression bar shows the advancement of the installation.



Wait until all progress bars are completed.

之。Remote Installer - 06.	- • •
File Change Network Interface Tools Restart All Remote Installer Refresh Open IP Browse Configurator	
- WorkGroup : Global (3 Machines) Start all Programs Stop all Running Programs Install Version Configure Launch Plugin J.JPDA180300 (1.1.180.30) (BROWSER 1) Summay IPO-Rouling has 2 physical connections (AVH.RS422-1, AVH.RS422-2)	Database : 1.1.180.30 - Media
IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP Drive IP API SynchroDB is in Restricted Stand Alone Mode. It is managing 1 XT (33660) SN : 180300 Pc : 0/0 - XT :0/0 Pc : 0/0 - XT :0/0 VTR Engine is managing 0 VTR IP Drive - Excluded drives are : A.B.C.R	v 06.
H ×STORE64580 (1.1.64.58) Summary	
IP Drive SN : 64580 Pc: 0/0 - XT: 0/0 IP Drive - Excluded drives are : A.B.C.G.R	Downloading latest Remote Installer Version
DB64500 f1 1 54 50)	
IP API SN : 64500	Downloading latest Remote Installer Version

The Remote Installer will restart ending the installation.



Note

There is a possibility to install the current Remote Installer Version on each workstation separately.

Right click the corresponding machine and select Send Current Remote Installer Version.

0 1_IPDA180300 (1.1.180.30) [BROWSER 1]				Start All	RS422-1, AVH-RS422-2)	<u></u>				
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API		Stop All Send Version	It is managing 1 XT (33660)	
SN : 180300						<		Send Current Remote Installer Version		v 06.
								Configure Database Configure Network Information Configure Serial Communication Configure Serial Number View IPD Logs Get EVS Logs Get EVS Logs Get IPDirector Logs Clean PDirector Logs Restart Machine Restart Remote Installer Remote Desktop		

A popup message appears:

Send R	emote Installer		×		
?	Are you sure you want to send your version of the Remote Installer to IPDA1803				
		Yes	No		

Select Yes and wait until the progress bar is completed and the Remote Installer Restarted.



Note

In order to work properly, all IP-Director workstations connected to the network must be set to **the same Ethernet frame size**.

It is recommended to work with standard Ethernet frames (MTU 1500) or Jumbo Ethernet frames (MTU 9000). **Avoid mixing the two sizes.**

3.7 Install Package

Once the Remote Installer has been installed on every workstation, select **Install Package** in the Install Version menu.

Install Versic		Install Package
		Install Remote Installer Version

A popup message appears to alert you to stop running services (IPD-Routing, SynchroDB, IP-Director, IP-Scheduler, VTR Engine and IP Drive) on the network before installing version.

Applica	ations running	×
<u>^</u>	Some applications are running on the network. To upgrade the version or to configure the d Do you want to do it now ?	atabase, you must stop them. Yes No

Once the services have been stopped on every workstation, select **Install Package** in the Install Version menu again.

A window opens to allow you to browse to the directory where the IP-Director Package file is located. The file has an .ipd extension. Usually it has the same name as the version of the IP-Director package.

🎉 Select package to deploy on Workgroup 'global'								
🕞 🕞 🗢 🕌 « IPDirector > IPD 06. 💿 > 🗸 😽 Search IPD 06. 🖉 🔎								
Organize ▼ New folder 🔠 ▼ 🛄 🕢								
🚖 Favorites 🗂	Name	Date modified	Туре					
E	\mu .net	4/Oct/2012 2:18 PM	File folder					
🌉 Desktop	퉬 DirectX	4/Oct/2012 2:18 PM	File folder					
🥃 Libraries	퉬 Drivers	4/Oct/2012 2:18 PM	File folder					
Documents	퉬 USB	4/Oct/2012 2:18 PM	File folder					
🁌 Music	퉬 WindowsInstaller	4/Oct/2012 2:18 PM	File folder					
🔤 Pictures	📄 06	5/Oct/2012 2:02 PM	IPD File					
📑 Videos								
DVB								
📜 Computer								
👝 System (C:)								
🔒 \$Recycle.Bin 🍸	•	1	•					
File <u>n</u> a	ame: 06ipd	✓ Package (*.ipd)	•					
<u>Open</u> Cancel								

Click Open. The Remote Installer starts to install the package on all workstations.

On each workstation listed in the Remote Installer, this progression bar shows the advancement of the installation.



Wait until all progress bars are completed.

🛃 Remote Installer - 06.0		
File Change Network Interface Tools Restart All Remote Installer Refresh	Open IP Browse Configurator	
- WorkGroup : Global (3 Machines)	Start all Programs Stop all Running Programs Install Version Configure Launch Plugin	Database : 1.1.180.30 - Media
1_IPDA180300 (1.1.180.30) [BROWSER 1]	Summary IPD.Bouting bas 2 physical connections (AVH.BS/22.1, AVH.BS/22.2)	
IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP Dir SN - 180300	Ve IP API Synchrob B is in Restricted Stand Alone Mode. It is managing 1 XT (3860) VTR Engine is managing 0 VTR IP Drive - Excluded drives are : A,B,C,R	Step 1/10 Downloading Package
E XSTORE64580 (1.1.64.58)	Summary	
IP Drive	IP Drive - Excluded drives are : A,B,C,G,R	Step 1/4 Downloading Package
O D664500 (1.1.64.50)	IP API	Step 1/4
SN : 64500		Downloading Package

After refresh, the blue color indicates that the version has been installed successfully and all workstations are matching and compatible versions.



Note

There is a possibility to install one specific version on each workstation separately. Right click the corresponding machine and select Send Version.

Start All
Stop All
Send Version
Send Current Remote Installer Version
Configure Database
Configure Network Information
Configure Serial Communication
Configure Serial Number
View IPD Logs
Get EVS Logs
Get IPDirector Logs
Clear IPDirector Logs
Restart Machine
Restart Remote Installer
Remote Desktop

A lot of new features are available in this menu. Please refer to the **Contextual Menus** chapter for more information.

3.8 Database Configuration

The Database button is used for the following:

- Defining all database parameters necessary to set up your IP-Director environment
- o Backing up your database to a file
- o Restore an empty or a previously backed up database file
- o Clean the database
- Upgrade automatically the DB to the current version
- Execute scripts (for example, to upgrade an older version of the database to the current DB format or get DB info to identify the restored DB file or version)

Database Status

Conflict (Red)

At the top right of the remote installer application, the database field in red also indicates a database conflict within the workgroup defined. One station or more point to another database.

يغي Remote Installer - ۵۵	- D - ×-
File Change Network Interface Tools Restart All Remote Installer Refresh Open IP Browse Configurator	
- WorkGroup : Global (3 Machines) Start all Programs Stop all Running Programs Install Version Configure Launch Plugin Data	ase conflict on this WorkGroup
I_IPDA180300 [1.1:80.30] [BR0WSER 1] Summay Clip Database tax 2 abasis 2 abasis tax 2 abasis tax 2 abasis tax 2 abasis tax 2	ר 🕥
IPD-Routing SynchroD8 IP-Director IP-Scheduler VTR Engine IP Drive IP API SynchroD8 Stand Alone Mode It is managing 1 XT (3660) VTR Engine is managing 0 VTR Engine is managing 0 VTR IP Drive IP API VTR Engine is managing 0 VTR IP Drive is the drive of the Drive is managing 0 VTR IP Drive is the drive of the Drive is the Drive	
SN: 180300 IP DIVER LAUGUE LIVES all C. ALD/C.h.	V 06
E XSTORE64590 (1.1.64.59)	
IP Drive	
SN : 64580 IP Drive - Excluded drives are : A,B,C,G,R	v 06
O D864500 (1.1.64.50)	
IP API	
SN: 64500	v 06

Right-click the database button and select **Configure**, this new window pops up:

Choose Database		×
Select Database	1.1.180.30 - Media 1.1.180.30 - Media 1.1.180.30 - Media	•
	Ok	Cancel

Select the Name or the IP address and **the DB instance name** of your database server.

Since Version 6, if two DB instances are hosted on the same DB Server, the instance name is displayed to ease the selection.

Wrong Version (Orange)

At the top right of the remote installer application, the database field in orange also indicates a wrong version of database within the workgroup defined. The DB version is linked with the IP-Director version.

This verification is performed roughly every 30 seconds, and cannot be initiated by a refresh.

kemote Installer - 06.	- 0 💌
File Change Network Interface Tools Restart All Remote Installer Refresh Open IP Browse Configurator	
- WorkGroup : Global (3 Machines) Start all Programs Stop all Running Programs Install Version Configure Launch Plugin I_PDA180300 (1.1.180.30) [BR0WSER 1] IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP Drive IP API VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650) VTR Engine in Restricted Stand Alone Mode. It is managing 1 XT (33650)	Wrond DB version on 1.1.180.30 Configure Backup Restore Clean
SN: 180300	Upgrade Database
E XSTORE64590 (1.1.64.59)	Execute Script
IP Drive 06. IP Drive - Excluded drives are : A.B.C.G.R	v 06
O DB64500 (1.1.64.50)	
IP API 06	
SN: 64500	v 06.

In order to update the DB to the right version, right-click the database button and select **Update Database**, this window pops up:

😰 Upgrade Database		
	Upgrade Database	
	Database Information	
	Server: 1.1.180.30	
	Database : Media	
	Version : US	
	- • • • •	
	Package Information	
	Package version : 06	
	Needed Database version : 06	
	Upgrade Cancel	

Press the Upgrade button to apply the scripts from the old version to the needed BD version.

Database Ok (Green)

If the Database button is Green, this indicates the DB configuration was successful.

Start all Programs	Stop all Running Programs	Install Version	Configure	Launch Plugin	Database :	
--------------------	---------------------------	-----------------	-----------	---------------	------------	--

Configure Database

To configure your database, right click on the Database button to open the contextual menu and choose Configure.

Click OK, the Database window appears:

Edit WorkGroup	o 'global' Database Configuration			E
The Database			Database	
		Database Information		
		Database Name	Media	
		Server	1.1.180.30	
		Username	\$a	
		Password	•••	
		Save	Cancel	•

Database Name: (Under normal circumstances, this does not change)

By default, the name of the database on the network is **Media** since IP-Director version 5.

EVS strongly recommends keeping the default value.

Server:

Specify the name of your server where the database is located. This server can be the local IP-Director workstation, another IP-Director workstation or a dedicated SQL database server. You may specify the IP address of the workstation or the computer name.

Note

When more than 3 IP-Director Workstations are connected together on the same IP Network, the database must be run on a separate dedicated workstation. The SQL Server must be SQL Server 2005 Standard Edition running on a windows 2003 R2 server operating system (SQL 2008 on Windows Server 2008 coming soon).

Username: (Typically not changed)

Default value (sa). You can change this value, as long as the database Username has also been changed.

Password: (Typically not changed)

Default value (evs). You can change this value, as long as the database Password has also been changed.

Once the fields are specified, click Save.



Note

A left click on this button will automatically launch the Database Configuration window. But if several workstations are running in the network, the database configuration windows will be greyed.

	Database	
Database Information Database Name Server	Meda	
Username Password	10 •••	

If the Database button is now Green this indicates the DB configuration was successful.

Start all Programs	Stop all Running Programs	Install Version	Configure	Launch Plugin	Database :	
--------------------	---------------------------	-----------------	-----------	---------------	------------	--

Backup Database

To create a backup file of your database, right click on the green Database button to open the contextual menu and choose Backup.

Configure
Backup
Restore
Clean
Upgrade Database
Execute Script

The backup database window opens.

🛃 Backup Data	abase	×
	Backup Database	
	Database Information Server : 1.1.180.30 Database : Media Version : 06	
	Backup Information	
	Backup Name Media_06,	
	Backup Files MEDIA_06CLEAN.BAK	
	Backup	Cancel

Backup Name: Specify the name of the backup file.

Default value is the current DB Version Name + Date + .BAK

Note

It is not recommended to overwrite the original DB file that delivered with the software and named with a "_Clean" extension. It is recommended to modify the name of the file to best describe the contents of the database being backed up.

Example: Media_06_XX_XX_YYMMDD_MyFacilityName.BAK

Backup Files: Existing backup files (for the current database version) found on the local PC.

Check the parameters. If they are not correct, click Cancel and select the Configure database of the contextual menu to modify them.

If parameters are correct, enter a name for the backup file.

The existing backup files (for the current database version) are displayed in the right-window list. Just select one.

If you would like to overwrite the existing file, select it here.

The backup file is created on the workstation were the backup function is performed and is stored in the c:\program files\EVS Broadcast Equipment\IP-Director\Database folder

Click Backup to create the backup file.



Click Ok.

Restore Database

To restore a backup file to your database, right click on the green Database button to open the contextual menu and choose Restore.

Configure	
Backup	
Restore	
Clean	
Upgrade Database	
Execute Script	

The Restore database window opens:

避 Restore Data	abase 💌
	Restore Database
	Database Information Server : 1.1.180.30 Database : Media Version : 06
	Backup Information 05.16.40 MEDIA CLEAN.BAK 06 BAK
	Restore Cancel

Check the Database information parameter. If they are not correct, click Cancel and select the Configure database of the contextual menu to modify them.

If parameters are correct, in the 'Backup Information' panel, in the left window list, select the database version of the backup you would like to restore. In the right window list, select the file.

Click Restore.



Click No to cancel the operation, click Yes to restore the database.



After completion, click Ok.

_

Clean Database

To clear your database, right click on the green Database button to open the contextual menu and choose Clean.



Important

All the database content will be removed (Configurations, User Rights, Medias...). The database returns to clean state.

Configure
Backup
Restore
Clean
Upgrade Database
Execute Script

The Clean database window opens.

😼 Clean Datab	ase
	Clean Database
	Database Information Server : 1.1.180.30
	Version : 06
	Clean Cancel

Server: displays the name of your server where the current database is located. **Database:** Displays the name of the database currently configured.

Version: Indicates the version of the DB currently active on the DB Server.

Check the parameters. If they are not correct, click Cancel and select the Configure database of the contextual menu to modify them.

If parameters are correct, click Clean.



Click No to cancel the operation, click Yes to clean the database.



After completion, click Ok.

Upgrade Database

This option is designed to simplify the database version upgrade. The process will detect the database version needed regarding the IP-Director version installed, select the appropriated scripts and apply them in the right order.



To upgrade your database, right click on the orange Database button to open the contextual menu and choose Upgrade Database.

Configure
Backup
Restore
Clean
Upgrade Database
Execute Script

The Upgrade Database is opened.

[🔄 Upgrade Database		
	Upgrade Database	
	Database Information Server : 1.1.180.30 Database : Media Version : Version : Package Information 06. Needed Database version : 06.	

Server: displays the name of your server where the current database is located.

Database: Displays the name of the database currently configured.

Version: Indicates the version of the DB currently active.

Package version: Indicates the version of the IP-Director installed.

Needed Database version: Indicates the target version needed with the IP-Director package.

Check the parameters. If they are not correct, click Cancel and select the Configure database of the contextual menu to modify them.

If parameters are correct, click on the Upgrade button. This window pops up:

The upgrade process discovered 5 scripts to be applied.

Press Yes to start the upgrade:

🔄 Upgrade D	atabase	
	Upgrade Database	
	Processing Upgrade_06, _to_06; .sql	

57

When the upgraded is done, the system tells you it has been successfully processed.

Upgrade database X			
i	Upgrade successfully pr	ocessed	
	0		

All steps can be checked in the final report:

📓 Upgrade Da	tabase 🗖 🗉 🛋
	Upgrade Database
	Creating [dbo].[PMI_UF_Definition] Creating primary key [PK_PMI_UF_Definition] on [dbo].[PMI_UF_Def The database update succeeded
	Adding full text indexing to tables Adding full text indexing to columns Table Users is already part of fulltext_indexes
	Users.Login column is already indexed Table Users is already part of fulltext_indexes Users.Login column is already indexed
	Dropping foreign keys from [dbo].[CurrentUFValues] Dropping foreign keys from [dbo].[Log] Dropping foreign keys from [dbo].[Logsheet]
	Altering [dbo].[EvsFct_GetVersionDB] The database update succeeded Altering [dbo].[Storage] ==
	Refreshing [dbo].[StorageDirectoryNestedView] Altering [dbo].[EvsFct_AssetProtected] The database update succeeded
	DECLING EXTENDED PROPERTIES THE DATABASE UPDATE SUCCEEDED
	▼ ▼
	Close

The message "The database update succeeded" certifies the good execution of the process.

Execute Script

To execute SQL script on your database, right click on the green Database button to open the contextual menu and choose Execute script.

Before executing any script, be sure your SQL server engine is running on your database server.

Configure
Backup
Restore
Clean
Upgrade Database
Execute Script

The Execute Script window is opened.

😼 Execute Scrij	yt 💽
	Execute Script
	Database Information Server : 1.1.180.30 Database : Media
	Version : 06 Script
	Execute Cancel

Server: displays the name of your server where the current database is located.

Database: Displays the name of the database currently configured.

Version: Indicates the version of the DB currently active.

Note

The "Execute script" feature was the only way to upgrade the database before the IP-Director version 5.

Now, it is highly recommended to proceed an automatic Upgrade Database since version 5 and not to execute a "script by script" upgrade.

This "Execute script" feature is now mainly used for applying technical script(s) of maintenance. These scripts can be provided by the EVS Support team to solve a specific issue on your setup.

Check the parameters. If they are not correct, click Cancel and select the Configure database of the contextual menu to modify them.

If parameters are correct, click on the browse button to select the script to execute.

This window pops up:

🚰 Open			X
V IP-Directo	r 🕨 Scripts 👻 🐓	Search Scripts	م
Organize 🔻 New folder	r		
🌗 IP-Direct 🔺	Name	Date modified	Туре 🔺
Databa:	📄 AutoPlay_Activate.sql	10/Oct/2012 2:39	Microsof
IP Drive	📄 AutoPlay_Deactivate.sql	10/Oct/2012 2:39	Microsof
IP-Direc	📄 Clean Asset.sql	10/Oct/2012 2:39	Microsof
IP-Sche =	📄 Clean_06sql	10/Oct/2012 2:39	Microsof
Lavout:	📄 Clear layout.sql	10/Oct/2012 2:39	Microsof
Plugins	📄 clear_duplicated_ufcomboValues.sql	10/Oct/2012 2:39	Microsof
Bemote	📄 ClearMatadata.sql	10/Oct/2012 2:39	Microsof
Boutag	📄 ClearTransactionLogs.sql	10/Oct/2012 2:39	Microsof
Scripts	📄 ConfigureMemory.sql	10/Oct/2012 2:39	Microsof
Setups -	Correct Each Settings.sql	10/Oct/2012 2:39	Microsof 🔻
File <u>n</u> a	me:	SQL Script (*.sql)	•
		<u>O</u> pen	Cancel

Select the script file in the list and click Open.

😅 Execute Scri	pt
	Execute Script
	Database Information Server : 1.1.180.30 Database : Media Version : 06. Script C:\Program Files\EVS Broadcast Equipment\IP-I
	Execute Cancel

Then click Execute.

Warnir	g		×
	Are you really sure you v	want to exect	ute the script ?
		Yes	No

Click No to cancel the operation, click Yes to execute the script.

When the script is executed, the system tells you it has been successfully executed.



3.9 CONTEXTUAL MENUS

3.9.1 Workgroup Contextual Menu

Right click the workgroup name zone to open the contextual menu.



The menu is displayed:

F	Rename WorkGroup
(Slobal 2
F	opulate Hosts files (network without DNS server)
(Clear Hosts files (network with DNS Server)
(Get All EVS Logs
(Get All IPDirector Logs
(Clear All IPDirector Logs

Rename WorkGroup: Edit the name of the workgroup. All workstations inside this one will be affected.

Rename Workgroup		X
WorkGroup Name		
workdroup Name	Global	
	OK	Cancel

Enter the new name and press Ok to apply the modification. Wait a few second or press refresh to display the new name inside the Remote Installer.

If other workgroups exist, they are listed below Rename Workgroup. Clicking on one workgroup name will move all the workstations within the other one (ex: Global2). Change DB settings and the Local Machine Number to avoid conflicts inside the destination workgroup.

Note

It is recommended to change the Workgroup name. This avoids autodeployment of the Remote Installer when plugging new stations on a existing setup. **Populate Host files (network without DNS server):** Please refer to the next Populate Hosts Files chapter.

Clear Host files (network with DNS Server): Please refer to the next Populate Hosts Files chapter.

Get All EVS Logs: This remote process grabs and zips the complete EVS log folder on each workstation member of the workgroup.

It is now possible to grab technical logs from one workstation on the network, avoiding collecting them one by one.

Browse For Folder	×
Log Destination Folder	
Desktop Ibraries Ibraries	
Make New Folder	OK Cancel

First define a destination folder where the zip files will be created.

Wait for creating zipped files on each workstation. A progress bar is displayed per workstation.

Zipping Logs

Then collect the zip files created in the destination folder. The zip files created are named **IPDAXXXXXX – EVSLogs.zip** (XXXXX is the IP-Director serial number)

Note

Starting any IP-Director services create the EVSLogs folder on the system disk root. This folder is shared on the network with full access rights to allow this new grabbing logs feature.

Get All IPDirector Logs: This remote process grabs EVS critical logs on each workstation member of the workgroup.

Follow the same procedure as described for the Get All EVSLogs feature.

The created zipped files are named **IPDAXXXXXX – IPDLogs.zip**

Clear All IPDirector Logs: This remote process clears all the C:\EVSLogs/IP-Director folders located on the workstation system disks.

Restart All Machines: This remote process allows restarting all the workstations within the current workgroup.

A popup window asks the administrator to confirm this action inside the Remote Installer:



Distant workstations are allowed to refuse (during 10 seconds) the remote shutdown process by clicking **Refuse** in the following splash window:



After accepting or waiting for 10 seconds, the shutdown process calls a Windows Shutdown command which displays this window for 20 seconds:

🚹 You are about to be logged off				
	Restart Ask By Administrator			
		Close		

Once this window is displayed, you can't stop the system shutdown command. Please quickly save all work in progress and log off.

Therefore, the complete **Restart All Machine** sequences may take more than 30 seconds to begin on distant stations.

3.9.2 Populate Hosts Files

This new feature (since version 4.3) reduces IP-Director latencies due to LAN communications without DNS management.

IP-Director needs quick responses in name resolution. When a DNS sever is not installed on your network, the easiest way to configure the correspondence between **Computer Names** and **IP Addresses** is to edit the HOSTS file inside your operating system.

The HOSTS file is located in C:\Windows\system32\drivers\etc

♥ ♥ ♥ ♥ Windows ► System	n32	Invers ► etc	▼ +→ Search etc		٩
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp					
Organize 🔻 Include in library 🔻 Share with 🔻 New folder 🛛 🔠 💌 🗍 🔞					
🌗 config	*	Name	Date modified	Туре	Size
📙 cs-CZ		hosts	10/Jun/2009 10:39	File	1 KB
da-DK		Imhosts.sam	10/Jun/2009 10:39	SAM File	4 KB
Dism		networks	10/Jun/2009 10:39	File	1 KB
drivers		protocol	10/Jun/2009 10:39	File	2 KB
🕌 en-US		services	10/Jun/2009 10:39	File	18 KB
📔 etc					
i UMDF					
) DriverStore					
il-GR	Ŧ				
5 items					

The Windows original HOSTS file can be opened with Notepad.exe:

	hosts - Notepad	×				
E	jile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp					
#	Copyright (c) 1993-2009 Microsoft Corp.	*				
#	This is a sample HOSTS file used by Microsoft TCP/IP for Windows.					
# This file contains the mappings of IP addresses to host names. Each # entry should be kept on an individual line. The IP address should # be placed in the first column followed by the corresponding host name. # The IP address and the host name should be separated by at least one # space.						
####	# Additionally, comments (such as these) may be inserted on individual # lines or following the machine name denoted by a '#' symbol.					
#	# For example:					
# # #	102.54.94.97 rhino.acme.com # source server 38.25.63.10 x.acme.com # x client host					
# # #	localhost name resolution is handled within DNS itself. 127.0.0.1 localhost ::1 localhost					
		-				
1		▶ ₁₃				

The entries (127.0.0.1 / ::1 local host) are written by default in this file.

Windows first consults this local file cache before sending its request to the DNS Sever. Without DNS Server or Hosts files, Windows introduces latencies inside our application when trying to resolve hostnames.

Populate new Hosts Files

There is a feature within Remote Installer that helps you to create and populate a common **HOSTS** file on all the IPD workstations, Databases or Targets used inside the IP-Director workgroup.

In the Remote Installer, right-click on the Workgroup's name to open this menu:

- WorkG	roup : Gl	Rename WorkGroup	all Progra
[I] 1_IPDA180300 (1.1.180.		Global 2	
IPD-Bouting	SupebroDB	Populate Hosts files (network without DNS server)	
In D Houding	Synchrobib	Clear Hosts files (network with DNS Server)	
SN : 180300		Get All EVS Logs	
		Get All IPDirector Logs	
		Clear All IPDirector Logs	
		Restart All Machine	

Select Populate Hosts files (network without DNS server), a popup window appears:

Popula	te Hosts files (network without DNS server) X
<u>^</u>	You will use Hosts files as name resolution reference. The file will be deployed to all the [IP] Director and targets in your workgroup. This process could take a few minutes to complete.
	Please be aware that this file is static and will not reflect any IP address or Computer name modification. Please populate your Hosts files with the Remote Installer again if you change you workgroup configuration (add/remove [IP] Director or target, change IP address or computer name) Incorrect information in the Hosts file could have major impact on [IP] Director performances
	DK

Press OK to open this window:

Populate Hosts files for workgroup : global		×
Hostname	IP Adress	
IPDA180300	1.1.180.30	
XSTORE64580	1.1.64.58	
DB64500	1.1.64.50	
		Save Cancel
A list is automatically created including all workstations belonging to your Workgroup. This process could take a few minutes to complete.

Press Save to populate the HOSTS file.



Manual entries are allowed:

Enter the hostname (computer name), the IP Address is automatically resolved.

Enter the IP address, the hostname is automatically resolved.

Enter both hostname and IP address.

Note

Note

If using a Mirrored database, the Virtual address will be populated into the list, but may not resolve a hostname. This is OK to leave blank as the virtual will never be used via a hostname lookup.

After population, the all IP-Director, SQL Databases and devices will have the same HOSTS file showing the new common entries:

📄 hosts - Notepad	×
<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp	
∰ Copyright (c) 1993-2009 Microsoft Corp.	*
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows. #	
# This file contains the mappings of IP addresses to host names. Each # entry should be kept on an individual line. The IP address should # be placed in the first column followed by the corresponding host name. # The IP address and the host name should be separated by at least one # space.	
# Additionally, comments (such as these) may be inserted on individual # lines or following the machine name denoted by a '#' symbol.	
# For example:	
# 102.54.94.97 rhino.acme.com # source server # 38.25.63.10 x.acme.com # x client host	
<pre># localhost name resolution is handled within DNS itself. # 127.0.0.1 localhost # ::1 localhost #[BEGIN IPD Entries] 1.1.180.30 IPDA180300 1.1.64.58 ×STORE64580 1.1.64.50 DE64500 #[END IPD Entries]</pre>	÷
()	đ



Note

Entries done by the Remote Installer are inserted between these two tags: #[BEGIN IPD Entries] - #[END IPD Entries]. This section allows for replacement and deletion of this group by the remote installer at a later time.

These entries can also include database, target computer, XFile or third Party computer present in the workgroup configuration.

Note

Some Antivirus programs and settings block the ability to propagate the Host file to all workstations.

Clear populated Hosts Files

If a DNS Server is installed on your network, the HOSTS files must be cleared. In the Remote Installer, right-click on the Workgroup's name to open this menu:

- WorkG	iroup : Gle	Rename WorkGroup	all Prog
DI ILIPDA	180300 (1.1.180.	Global 2	
IPD-Routing	SynchroDB	Populate Hosts files (network without DNS server) Clear Hosts files (network with DNS Server)	IP API
SN : 180300		Get All EVS Logs Get All IPDirector Logs	
		Clear All IPDirector Logs	
		Restart All Machine	

Select Clear Hosts files (network with DNS server) to remove IP-Director's entries inside the workstation HOSTS files. All HOSTS Files are cleared:

📃 hosts - Notepad	- • •
<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp	
₩ Copyright (c) 1993-2009 Microsoft Corp.	*
# This is a sample HOSTS file used by Microsoft TCP/IP for Wi	ndows.
# This file contains the mappings of IP addresses to host nam # entry should be kept on an individual line. The IP address # be placed in the first column followed by the corresponding # The IP address and the host name should be separated by at # space.	es. Each should host name. least one
# Additionally, comments (such as these) may be inserted on i # lines or following the machine name denoted by a '#' symbol	ndividual ·
# For example:	
# 102.54.94.97 rhino.acme.com # source serv # 38.25.63.10 x.acme.com # x client ho	er st
# localhost name resolution is handled within DNS itself. # 127.0.0.1 localhost # ::1 localhost #[BEGIN IPD Entries] #[END IPD Entries]	*
 • 	

All entries inserted between tags # [BEGIN IPD Entries] - # [END IPD Entries] are deleted. If you insert manual entries in your HOSTS files for other IT application, write them outside the 'IPD Entries' tags.



Important

It is strongly recommended to clear the HOSTS files before dismantling your setup.

3.9.3 Workstation Contextual Menu

Right click this zone on a workstation tab to open its dedicated contextual menu:

- WorkG	iroup : Gl	obal (4 Ma	achines)		St	art all Prograr	ns
IP) 1_IPDIF	RECTOR 72950 (1	.1.72.95)					7 St
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API	U
						/////	1
🔟 4_IPDIF	RECTOR59940 (1	.1.59.94)					C Su
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API	

The menu is displayed:

Start All	
Stop All	
Send Version	
Send Current Remote Installer Version	1
Configure Database	
Configure Network Information	
Configure Serial Communication	
Configure Serial Number	
View IPD Logs	
Get EVS Logs	
Get IPDirector Logs	
Clear IPDirector Logs	
Restart Machine	
Restart Remote Installer	
Baura da Daalda u	

Start All: Used to start all IP-Director services on the selected workstation, including the mandatory services (IP-Routing and SynchroDB) and the configured for **Auto Start** ones (IP-Scheduler, VTR-Engine, IP-Drive and IP API).

All services are started and shown with a green status:

0 1_IPDA180300 (1.1.180.30) [BROWSER 1]							
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API	
SN : 180300				Kill Stop Edit Conf Monitor	ig I Monitor		
Ç				✓ Auto Star	t		

 $Stop \ All: \ {\tt Used to stop all IP-Director services on the selected workstation}.$

Distant workstations are allowed to refuse (during 10 seconds) the remote order by clicking **Refuse** in the following splash window:



All services are stopped and shown with a grey status:

1_IPDA180300 (1.1.180.30)						
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API
SN : 180300						



Once the services are stopped, their configuration can be edited.

Please refer to each service chapter for details.

Send Version: Used to send an IP-Director package on a specific workstation. It allows upgrading an incompatible workstation within a workgroup without stopping all programs on the other members.

Please refer to the previous Install Package chapter for details.

Send Current Remote Installer Version: Used to send the current Remote Installer version on a specific workstation.

Please refer to the previous Install Remote Installer Version chapter for details.

Configure Database: Used to edit the database configuration on a specific workstation. It allows modifying database characteristics on a workstation in conflict with its own workgroup without stopping all programs on the other members.



Note

All Programs must be stopped on this workstation to open the database configuration window in **Edit** mode.

The Database configuration window is displayed:

Edit WorkGroup	p 'global' Database Configuration			
📑 Database				
			Database	
		Database Information		
		Database Name	Media	
		Server	1.1.180.30	
		Username	sa	
		Password	•••	
		Save	Cancel	

Please refer to the previous Database Configuration chapter for details.

Configure Network Information: Used to configure the workstation network information.

Previously configured inside the IP-Routing service, these settings are now separated.

The configuration window is displayed:

Network Information	×
Local machine number	
Workgroup	Global 🗸
Workstation description	
BROWSER 1	
	Save Cancel

Local machine number: The Local machine number field is used to assign an ID to an IP-Director workstation in the network. All workstations in the network must have a different number and must be from 1 to 255.

If several machines have the same network number, a conflict is detected by the Remote Installer, in this case the color of theses involved machines turns red. At the lower right corner, the NumUser status box turns red also.

NumUser SynchroDB Database Restart Machine Serial Number

Remote Installer - 06.					- • •
File Change Network Interface Tools Restart All Remote Installer Refresh	Open Easy Setup Co	nfigurator			
- WorkGroup : Global (3 Machines)	Start all Programs	Stop all Running Programs	Install Version C	Configure Launch Plugin	Database : 1.1.180.30 - Media
D 1_IPDA180300 (1.1.180.30) [BROWSER 1]	ſ	Summary IPD-Bouting bas 2 physical o	oppactions (6\/H-BS/22.1	AVH-BS#22.21	🏠
IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP Drive	IP API	SynchroDB is in Restricted SI VTR Engine is managing 0 V	tand Alone Mode. It is man TR	naging 1 XT (33660)	
SN : 180300	<u> </u>	IP Drive - Excluded drives are	e : A,B,C,R		v 06
1_XSTORE64580 (1.1.64.58)	۱	Summary IPD-Routing has 0 physical c	onnection		
IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP Drive	IP API	SynchroDB is in Restricted St	tand Alone Mode. It is man	naging 0 XT	
SN : 64590		IP Drive - Excluded drives are	e : A,B,C,G,R		v 06. Total
		Cummanu			

Workgroup: The Workgroup defines the workgroup name (16 characters maximum) to be used by this IP-Director Workstation. Normally all workstations MUST be in the same defined workgroup name.

Please refer to the **Workgroup Functionalities** and **Workgroup Contextual Menu** chapters for details.

Workstation description: The description is a free-text entry displayed beside the Computer Name and IP address of the workstation. As a technical assistance, it can give you the identity of a workstation in the workgroup.

Example: The workstation is dedicated for a browsing usage in room 1.

[I] 1_IPDIRECTOR72950 (1.1.72.95) [BROWSER 1]

Configure Serial Communication: Used to configure the workstation serial ports.

Previously configured inside the IP-Routing and VTR-Engine services, these settings are now re-grouped in one pop-up window.

erial Communication						
	Serial Co	ommunicatio	n Cont	iguration		
	Serial Communication	n Settings				
	COM Port	Application]	
	AVH-RS422-1	Evs Server	-	Settings		
	AVH-RS422-2	Evs Server	-	Settings		
	AVH-RS422-3	MPlay	-	Settings		
	AVH-RS422-4	Vtr Engine		Settings		
	COM1		-	Settings		
	COM2		-	Settings		
	СОМЗ		-	Settings		
	COM4		-	Settings		
	COM5		-	Settings		
	COM6		-	Settings		
					-	
		AVH Advanced s	ettings			
			nad			
	58	La	ncer			

The configuration window is displayed:

E in Calif. Campaniantian Card

COM Port:

All the serial ports present on the workstation are listed here.

Two kind of RS422 connections exist: AVH-RS422 (using an internally mounted EVS USB to RS422 module) or COM (using a RS422/RS232 port on the station motherboard). 4 AVH-RS422 connections and 6 COM connections are possible. However, only 4 connections may be managed from one IP-Director workstation at any time.

Application:

Four different applications can now be assigned to a serial port. Select the application for each port using the dropdown menu. Leave it blank if the port is not used.

Serial Communicatior	n Settings	
COM Port		
AVH-RS422-1	Evs Server	Settings
AVH-RS422-2	MPlau	Settings
AVH-RS422-3	BEPlay	Settings
AVH-RS422-4	Vtr Engine Evs Server	Settings
СОМ1		 Settings
COM2		Settings

• MPlay (Remote P)

This selection is needed when you connect the new MPlay device to an IP-Director workstation. This remote is mainly used to control 4 PGM outputs with 5 configurable buttons for each one.

Its configuration is located in the Tools menu > Remote Control Manager of the IP-Director GUI. Limited by user rights, the operator can (or not) modify the functions attributed to each button.

Settings:

- Specify the **Baud rate**, **Data bits**, **Parity** and **Stop bits** of the serial protocol used by the Remote.
- BEPlay (Remote B)

This selection is needed when you connect a BEPlay remote to an IP-Director workstation. This remote is mainly used to control channels assigned to IP Edit Timeline editor.

Its configuration is located in the Tools menu > Remote Control Manager of the IP-Director GUI. Limited by user rights, the operator can (or not) modify the functions attributed to each button.

Settings:

• Specify the **Baud rate**, **Data bits**, **Parity** and **Stop bits** of the serial protocol used by the Remote.

• Vtr Engine

This selection is used by the VTR Engine service to control a VTR using a free serial port on an IP-Director workstation.

Pressing the "Settings" button gives you access VTR settings.

Basic Settings:

o COM Port:

Shows the RS422 port connected to VTR (COM1 to COM6 or AVH-RS422-1 to AVH-RS422-4).

o VTR Name:

The VTR name is used in the VTR Control Panel in the IP-Director interface.

Description:

Enter a description for your facility.

o Default Recorder:

Select the server Default Recorder connected to the VTR. The VITC of this recorder is taken for ingests.

Advanced Settings:

- Specify the Baud rate, Data bits, Parity and Stop bits of the serial protocol used by the VTR. Please refer the VTR manual to get information.
- EVS Server (server connection)

This selection is used when the port is connected to an EVS server in order to manage it.



Note

This attribution of the serial port was previously set in the IPD-Routing service (V4 and previous versions)

Note

This will be the most common selection in the Serial Communication.

No settings needed. The "Settings" button is not activated.

AVH Advanced settings:

Click on the AVH Advanced settings button to open this window:



AHV Advanced Configuration access to advanced patch features between physical external connectors and internal associated Windows USB ports.

Keep default parameters by clicking on Default then OK.



Note

All parameters are local to the IP-Director workstation and must be set independently on all IP-Director workstations.

All concerned services must be stopped in order to edit the application and the settings for each port.

Configure Serial Number: Used to define a serial number on all the workstations listed in the Remote Installer.

All EVS applications require a serial number in order to generate unique UmID for clips or files. Since IP-Director 5.8, the Remote Installer shows a RED status for workstations listed without a valid registered serial number.

لغي Remote Installer - 06.		
File Change Network Interface Tools Restart All Remote Installer Refresh	Open IP Browse Configurator	
- WorkGroup : Global (3 Machines)	Start all Programs Stop all Running Programs Install Version Configure Launch Plugin Data	base : 1.1.180.30 - Media
I_IPDA180300 [1.1.180.30] [BROWSER 1] IPD-Routing SynchroDB IP-Director IP-Scheduler VTR Engine IP Drive	Summary IPD-Routing has 2 physical connections (AVH-RS422-1, AVH-RS422-2) SynchroDB is in Restricted Stand Alone Mode. It is managing 1 XT (33660) VTR Expine is managing 1/VTR	
SN : 180300	IP Drive - Excluded drives are : A,B,C,R	∨ 06
EXTORE64580 (1.1.64.58)	- Summary	
IP Drive		
SN : 64580	IP Drive - Excluded drives are : A,B,C,G,R	v 06.
🗃 DB64500 (1.1.64.50)	-Summay-	
	IP API	
SN : 64580		v 06. – J

At the lower right corner, the Serial Number status box turns red also:

NumUser SynchroDB Database Restart Machine Serial Number

In order to get rid of this error status, open the workstation contextual menu and select **Configure Serial Number**.

An EVS application (common to all EVS products) is launched:

• If a previous Serial Number is found in any configuration settings (file or registry), the application shows this message:

🕸 EVS Serial Nu	mber Configuration - IPDA180300
E∳S	We have found 180300 as previous EVS serial number on your computer. Ensure that this serial number is unique on the network. Do you want to keep it <u>Yes</u> No
V. 01.00.09	Note : If you are using an EVS computer the above-mentioned serial number must be the same as the hardware EVS serial number. You can find the hardware EVS serial number at the back of your computer.
	< Back Finish Cancel

Check the serial number, keep the default value 'YES' and press Finish.

• If no Serial Number can be found on the system and the computer is produced by EVS, the application displays a series of questions:



Keep the default value 'YES' and press Next.



Enter the serial number found on the back (or side) of the computer.

Press Finish.



The serial number must unique.

• If no Serial Number can be found on the system and the computer is **not** produced by EVS, the application displays a series of questions:



Select the non default value 'NO' and press Next.

🕸 EVS Serial Nu	mber Configuration - IPDA180300
EŲS	Please enter the EV5 serial number multiple of 10 between 635000 and 655350 Ensure that the EVS serial number will be unique on the network
	EVS Serial Number 636000
V: 01.00.09	
	< Back Finish Cancel

Enter a serial number multiple of 10 between 635000 and 655350. Press Finish.



Once the Serial Number is configured, an entry in the registry of Windows will be used by any EVS application.

The status of the workstation becomes blue in the Remote Installer and the Serial Number is displayed on IP-Director station:

I_IPDA1	180300 (1.1.180.)	30) (BROWS	ER 1]			
IPD-Routing	SynchroDB	IP-Director	IP-Scheduler	VTR Engine	IP Drive	IP API



View IPD logs: This remote process displays the distant EVSLogs\IP-Director folder in a local Explorer window.

CO v → Network → 1.1.180.30 → EVSLogs → IP-Director → v 4 Search IP-Director P							
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp							
Organize 🔻 New folder			·==	•	0		
☆ Favorites	Name	Date modified	Туре	Size			
_	🕌 IP Drive	10/Oct/2012 4:22	File folder				
💻 Desktop	퉬 IP-Director	10/Oct/2012 4:22	File folder				
🥽 Libraries	퉬 IP-Scheduler	10/Oct/2012 4:22	File folder				
Documents	퉬 IPWSService	10/Oct/2012 4:22	File folder				
🚽 Music	퉬 Remote Installer	10/Oct/2012 4:02	File folder				
Pictures	퉬 RoutingService	10/Oct/2012 4:02	File folder				
📑 Videos	퉬 SynchroDB	10/Oct/2012 4:02	File folder				
😹 DVB	퉬 User Manager	11/Oct/2012 9:08	File folder				
👰 Computer	퉬 VtrEngine	10/Oct/2012 4:22	File folder				
👝 System (C:)	📄 NetConfiguration_Configuration	11/Oct/2012 9:08	Text Document		1 KB		
👝 Restore (R:)	NetConfiguration_Error.txt	10/Oct/2012 4:02	Text Document		3 KB		
♀ Software (\\db64500) (Z:)							
11 items							

As soon as an IP-Director service is started on a workstation, it shares the EVSLogs folder. It allows opening the log folders from any location on the network using its UNC path.

Get EVS Logs: This remote process grabs and zips the complete EVS log folder on a specific workstation.

It is now possible to grab technical logs from one workstation on the network.

First define a destination folder where the zip files will be created.

🦂 Zip Path								×
🔾 🗢 💻 Deskto	op 🕨			•	4 7	Search Desktop		م
Organize 🔻 Ne	w folder						= x=	0
🖻 🚖 Favorites		* III		Libraries System Folder				•
 Desktop Libraries Ei Documents 			12	DVB System Folder				=
▷ 👌 Music ▷ 🔛 Pictures ▷ 🖼 Videos				Computer System Folder				
 B DVB Computer 		Ŧ		Network System Folder				Ŧ
File <u>n</u> ame:	IPDA180300 - E	VS Lo	ogs.zip					•
Save as <u>t</u> ype:								-
) Hide Folders						<u>S</u> ave	Cance	

Wait for creating zipped file. A progress bar is displayed.

Zipping Logs

Then collect the zip file created in the destination folder. The zip file created is named **IPDAXXXXXX – EVSLogs.zip** (XXXXX is the IP-Director serial number)

Note
Starting any IP-Director services create the EVSLogs folder on the system disk root. This folder is shared on the network with full access rights to allow this new grabbing logs feature.

Get IPDirector Logs: This remote process grabs EVSLogs\IP-Director logs on a specific workstation.

Follow the same procedure as described for the Get EVS Logs feature.

The created zipped file is named IPDAXXXXXX - IPDLogs.zip

Clear IPDirector Logs: This remote process clears the EVSlogs\IP-Director folder located on the workstation system disk.

Restart Machine: This remote process allows restarting a specific workstation from the Remote Installer

The **distant** workstation is allowed to refuse (during 10 seconds) the remote shutdown process by clicking **Refuse** in the following splash window:



After accepting or waiting for 10 seconds, the shutdown process calls a Windows Shutdown command which displays this window for 20 seconds:

👍 You	are about to be logged off	—
	Restart Ask By Administrator	
		<u>C</u> lose

Once this window is displayed, you can't stop the system shutdown command. Please quickly save all work in progress and log off.

Therefore, the **Restart Machine** sequence may take more than 30 seconds to begin.

Restart Remote Installer: This remote process allows restarting the Remote Installer on a specific workstation.

The distant workstation displays message information:



Then the Remote Installer icon appears and the workstation tab is again visible within the Remote Installer.

Remote Desktop: This remote process allows using the Remote Desktop Protocol included in the Windows OS. It displays the screen of another computer on your own screen. The program allows you to use your mouse and keyboard to control the other computer remotely.



Important

The distant workstation must be configured to accept Remote connections. Our IPD stations are delivered with this option enable.

Press [WIN]+[Pause/Break] to open the System window, Go to the **Advanced system settings** and select the **Remote** TAB to check the configuration:

System Properties					×
Computer Name	Hardware	Advanced	System Protec	ion Remote	
- Remote Assist	ance				
Allow Rem	ote Assistan	ce connectio	ns to this compu	iter	
What happens	: when I ena	ble Remote /	Assistance?		
				Ad <u>v</u> anced	
- Remote Deskt	ор				
Click an option	i, and then s	pecify who c	an connect, if n	eeded.	
© <u>D</u> on't allow	connection	s to this comp	outer		
Allow conn Remote De	ections from sktop (less :	computers ru secure)	inning any versi	ion of	
Allow conn Desktop w	ections only ith <u>N</u> etwork	from comput Level Authen	ers running Rem tication (more se	note ecure)	
Help me choo	<u>se</u>			Select Users	
		OK	Can	cel Apply	

Select the Remote Desktop option in the workstation contextual menu and wait for connecting the distant IP-Director workstation:

퉣 Remo	te Desktop Connection
N	Connecting to: 1.1.64.58 Cancel Initiating remote connection

The first time you connect from an IP-Director Station Windows 7 to another IP-Director with an OS, the following window may be displayed:

💀 Remote Desktop Connection 📃 💌					
The identity of the remote computer cannot be verified. Do you want to connect anyway?					
This problem can occur if the remote computer is running a version of Windows that is earlier than Windows Vista, or if the remote computer is not configured to support server authentication.					
For assistance, contact your network administrator or the owner of the remote computer.					
Don't ask me again for connections to this computer					
Yes <u>N</u> o					

Check the option 'Don't ask me again for connections to this computer' and the message won't be displayed next time.

Your screen turns black and a tab appears at the top of your desktop:					
1.1.59.94	-	8	×	/	

The Remote Desktop feature is not a viewer. It switches off the Windows session on the distant workstation to open it on the local one.

A Log On window appears (for Windows XP stations)

Note

Log On to Windows				
Copyright © 1985-2/	Microsoft Windows ^{xp} Professional	Moment		
Microsoft Corporatio	1	microson		
User name:	DVB			
Password:				
	OK Cancel	Options >>		

Or Windows 7:

Windows Security		×
Enter your c These credentia	redentials Is will be used to connect to 1.1.89.41.	
	DVB Password Domain:	
Remen	nber my credentials	
	OK Can	cel

Enter DVB as User name, no password and press OK.

The distant desktop is open on the local one.



EVS workstations are delivered with DVB/(no password) as a default user.

If you installed IP-Director on non-EVS hardware, use the custom user name and password.

To close the connection, press close on the top tab:





Note

This Remote Desktop feature can be used on any Windows based workstation, even if IP-Director is not installed.

The connection can be launched from the Windows start menu.

Select Start/Programs/Accessories/Remote Desktop Connection



3.10 Parameters Configuration

Click on the Configure button:

Configure



Important

Be sure your database parameters have been correctly defined before configuring all parameters. Refer to database configuration chapter for more information.

The Edit Workgroup window opens.

The Configuration window is used to define all parameters necessary to set up your IP-Director environment. These parameters are related to the following components:

- o General Parameter configuration used by the application
- **Storage Priorities** configuration used by the target engine and the software player.
- XT Networks configuration (logical server network creation)
- Services configuration (defines the user used for logging services)
- LAN and WAN Configuration (for advanced network configuration)
- Load Balancing configuration for **SynchroDB** network configurations.
- XML Unit configuration (defines which XFile or XTAccess/XSquare workstations will manage backup/restore/transcoding of clips)
- o Thumbnails configuration (defines the automatic thumbnail creation).
- Targets configuration (standard Send to, AVID TM export, Clean edit export, server export and Final Cut Pro export)
- IP Logger Export settings regarding Third Party logging export.
- Near Line Management configuration (defines static directories managed on the network)
- Lo-res Management configuration (defines links between Hi and Lo channels on the servers)
- o **Define varID groups** configuration (organizes servers in varID groups)
- **As will run log** configuration (defines PGM monitored and folder for the production playlist logging)
- **Playlist** configuration (defines 6 headers of the playlist element metadata)
- Redundancy configuration (defines master/slave servers for lpEdit and Edit to Air)
- IP-API configuration (defines general parameters used by all the IP API services)
- Director's Cut configuration (defines the gateways to be managed)

3.10.1 General Parameters Configuration

Select the General tab.

Edit WorkGroup 'global	' General Parameters	
🛒 General	name (* Amerika), caroon (* 1946 mar 1974) 👎 caronada 💥 Ale Are 🤬 A	antri-alt - suger - M couper - such - Man cos - Merupanan - collar 🔸
	General Paramete	iers
	General	
	Keywords based on 64 characters	Max number of Database Explorer 4
	☑ Automatically archive protect media	Max number of IP Logger 2
	Auto Los Off Time (in secondo)	Database connection timeout (in seconds) 5
		Ping timeout (in milliseconds) 200
		Number of ping before failure 3
	CSV Delimiter SEMICOLON	Activate IpEdit checksum
	Activate Playlist LiveBit	
	in folder Browse]
	XML File history in folder Browse]
	Purge Frequency (in hours) 48	
	Database Explorer	
	Auto-refresh mode of Database Explorer Max i	number of items to display in 1000
	Auto-refresh in filter mode Searc	ch retention period 7
	Associations	
	Auto-associate clips to logs	ords to clips 📝 Notify Associations
	Auto-associate clip at startUp Auto-associate level ratio	ating to clips
	Save	Apply

General section

General		
Keywords based on 64 characters	Max number of Database Explorer	4
☑ Automatically archive protect media	Max number of IP Logger	2
	Database connection timeout (in seconds)	5
Auto Log-Off Time (in seconds) 180	Ping timeout (in milliseconds)	200
	Number of ping before failure	3
CSV Delimiter SEMICOLON -	Activate IpEdit checksum	
Activate Playlist LiveBit		
in folder Browse		
XML File history in folder Browse		
Purge Frequency (in hours) 48		

Keywords based on 64 characters:

The IP-Director can work either with 12 characters keywords or with 64 characters keywords.

• In the 12 characters mode:

Keywords are pushed to clips on the servers and are visible in server and IP-Director Interfaces (clip keywords are synchronized between the server database and the IP-Director database).

o In the 64 characters mode:

Keywords can be 64 characters long but are no longer pushed to clips on the server. Keywords assigned to clips defined on the server are only visible in the server interfaces and keywords assigned to clips defined on IP-Director workstations are only visible in the IP-Director interfaces. Log keywords are no longer pushed to the clips associated to the logs. (No keyword synchronization between the IP-Director and the servers).

Default value: unchecked. IP-Director normally works in 12 characters mode.

Note

EVS suggests using the 64 characters mode only on major events or facilities where this function is required. It is not possible to return to a 12 characters keyword mode without clearing the IP-Director database.

Automatically archive protect media:

If this option is checked, all protect media created for a log sheet will be automatically archived on the XFile defined as the default backup XFile in the settings of the server. The clip always moves to the defined session folder on the XFile.

Default value: checked.

Auto log off:

Auto log off Time: the system will automatically log off if the IP-Director has not been used after 'X' seconds.

CSV Delimiter:

Allows choosing CSV delimiter in CSV files. You can select Semicolon, Comma, Tab or Space.

Default value: Semicolon

Note

If you intend to import the CSV file into Excel, you should use a delimiter that obeys your regional settings as defined inside Windows. For example: In Belgium the delimiter is Semicolon, whereas in North America the default delimiter is a comma.

Activate Playlist LiveBit:

Not available for usage without direct consultation with EVS staff. This mode requires specific software and setup provisions.

XML File history in folder:

Allows defining a specific history folder for all the XLM files exchanged by the system with the XML Unit(s).

If no folder is defined, the history folder is located by default in the "Jobs Done" folder of the first XML Unit.

Purge Frequency (in hours):

The purge frequency of the XML File history folder.

Default Value: 48

Max number of Database Explorer:

This parameter limits the number of Database Explorer windows open simultaneously by the IP-Director User.

It avoids forgotten Database Explorer windows in a complex layout. These windows are forgotten and overload the IP-Director database (thus create database latencies).

Default value: 4

Max number of IP Logger:

This parameter limits the number of IP Logger windows open simultaneously by the IP-Director User.

As the previous setting, the aim of this parameter is to avoid unwanted traffic to the database.

Default value: 2.

Database connection timeout:

This parameter set the previously hardcoded timeout connection request sent to the IP-Director database (in seconds).

Default value: 5 seconds.

Using a distant network connection, we encountered false database status. Increasing the period between two requests reduces the risk of bad status which freezes the user's interface.

Ping timeout:

This parameter set the previously hardcoded timeout ping request sent to the IP-Director database (in milliseconds).

Default value: 200 milliseconds.

Number of ping before failure:

This parameter set the previously hardcoded number of ping sent to the IP-Director database before considering a failure.

Default value: 3

Note
We recommend you to keep the default values for these 3 last settings.

Activate lpEdit checksum:

This parameter sets the IP-Edit in a specific verbose mode that displays messages according the synchronization status between server timeline engine and database.

This mode is not intended to be activated under normal operations.

Database Explorer section

Database Explorer			
	Auto-refresh mode of Database Explorer	Max number of items to display in browser (if activated)	1000
	💟 Auto-refresh in filter mode	Search retention period	7

Auto-refresh Mode of the Database Explorer:

This parameter automatically refreshes the Database explorer of IP-Director. This parameter should be disabled on very large setups (typically when more than 30 workstations are connected together on the same IP network).

Default value: checked.

Auto-refresh in filter mode:

This parameter automatically refreshes research items in filter mode in the Database explorer of IP-Director. This parameter should be disabled on very large setups (typically when more than 30 workstations are connected together on the same IP network).

Default value: checked.

Max number of items to display in browser (if activated):

Specify the maximum number of elements (clips, logs, etc.) that can be displayed at any one time in a list in the IP-Director application.

Default value: 1000

Search retention period

This number limits the auto-complete search feature results to the X last days of operation.

Default value: 7 (One week)

Associations section

Associations –			
	Auto-associate clips to logs	📝 Auto-associate Keywords to clips	Notify Associations
	📝 Auto-associate clip at startUp	Auto-associate level rating to clips	

Auto-associate clips to logs:

When this option is checked, clips which include log timecode are automatically associated to those logs. If this option is unchecked, the automatic association process between clips and logs is not activated.

Default value: checked.

Auto associate clips at start up:

If this option is checked, when the SynchroDB service is started, an automatic process will check the association of clips to logs.

Default value: checked.

Auto associate keywords to clips:

This option allows the logged keywords to be automatically pushed to their associated clips. If this option is unchecked, the keywords are disassociated from their corresponding clips.

Note that if the 'Keywords on 64 characters' option is checked, the keywords won't be pushed to the clips on the server side, they will only be pushed to clips on the IP-Director side.

Default value: checked.

Auto associate level rating to clips:

This option allows the logged level rating to be automatically pushed to their associated clips. If this option is unchecked, levels rating are disassociated from their corresponding clips.

Default value: checked.

Notify associations:

When this option is checked, as soon as a clip/log association is created or deleted, a notification is sent to all IP-Director Workstations to refresh their interfaces. If this option is unchecked, those notifications will not be automatically sent and a manual refresh should be done in the IP-Director interface to see the clip/log association modifications. It should only be unchecked for very large setups when the associations do not have to appear instantly and constantly refreshed. It will lead to less CPU database consumption and will improve the reactivity of the IP-Director interfaces.

Default value: checked.



Note

All these parameters are global to all IP-Director workstations on the network. It must only be set once and can be defined on any workstation.

3.10.2 Storage Priorities Configuration

Previously defined in the General tab, the storage priorities are now defined in a separate tab.

Select the Storage priorities tab:

Edit WorkGroup 'gl	obal' General Parameters	×
Storag	ge priorities	4 >
	Storage Priority Image: Storage Priority	
	Save Cancel Apply	

Storage Priority:

	Storage Priority	
▶ 1	Nearline	
2	XT	
3	IPDrive	
Excl If you cl will not I	ude open files from transfers noose this option, files that are bei be used in the priority list for transfi	ng written ers.

This parameter set the priority of the source used by the function 'send to target' or 'send to nearline'. When 'Clips' (Asset) contain several sources in the database explorer, this priority manages which sources will be sent to the target or the nearline.

For example, a 'Clips' (Asset) owns a HiRes XT Clip element and a HiRes Nearline Clip element. When users request a 'send to target' or a 'send to nearline', the priority defines the source (Nearline or XT or IPDrive) used by the XML Unit (XFile or XTAccess/XSquare).

If the Nearline is set to Priority 1, the XML Unit copies the HiRes File Clip element to the target or nearline.

If the XT is set to Priority 1, the XML Unit backups the HiRes XT Clip element to the target or nearline.

If Nearline is set to Priority 1 and no HiRes File Clip element exists in the 'Clips' (Asset), the second priority is used and the XML Unit backups the HiRes XT Clip element to the target or nearline.

Exclude open files from transfers:

Check this option in order to exclude nearline growing files off the priority storage list. Online clips or closed files are privileged.

Nearline Priority:

- Nea	arline	Priority
		Nearline Priority
Þ	1	Nearline A
	2	Nearline B
lfa the	clip c se el	contains elements on several near lines, ements will be ordered according to NL priority.

This parameter orders the storages used under the 'Nearline' item of the previous Storage Priority table.

In a Clip (Asset), only one HiRes XT Clip Element should exist but several instances of the same HiRes file may be spread over different Nearline storages.

For transfer performance reasons, storages which have better access bandwidths should be used in priority beside the less efficient ones.



These priority parameters are also involved in the software player usage, but the LoRes files & XL Clips are still favoured before the Storage Priority.

3.10.3 XT Network Configuration

The purpose of this function is to create logical networks for the servers.

For now, it is used to include server LoRes and server HiRes in separate networks. It will help you to configure associations between LoRes and HiRes channels in the following **Lo-Res Management Tab**

Please refer to the Lo-Res Management Configuration chapter for details.

This tab is also used to specify the default page and server for restores of **Near Line** clips.

Please refer to the Near Line Management Configuration chapter for details.

Edit WorkGroup 'global' General Paramete	rs		— ×
XT Networks	nandrovitek (FF) connected (SS 1986, 1986 🦓 Panateur	nde Transfer Hissogan Ganet Hannister Menagament Surffee de	0
	SDTI Network	k Configuration	
Arrange your Use add netwo Right click on a - rename the - define the n - define the n - define a defi All your routing - able to configu But all nouting a stated at least - servers in the n - Default page for	machines in logical networks k button to add a new logical network network not etc: vetwork witwork as HiFles or LoRes ook and synchroDB must be stopped to be your logical networks. and synchroDB structs must have been once in order the system can see all twork. restores of clips 6 ⊕	Cancel	Add network
		,	

Select the XT Network tab:

Note

All Services (IPD-Routing, SynchroDB, IP-Director, IP-Scheduler, VTR Engine, IP-Drive and IP API) must be stopped to visualize this tab.

But unfortunately, the services (IPD-Routing and SynchroDB) must have been started once before to list the servers inside the IP-Director database.

🖙 💑 🔟 Machines not attributed to a network
B 📷 XT[2] 2 - 33660
😝 22_XT[2] 2_REC1
😝 22_XT[2] 2_REC2
😝 22_XT[2] 2_REC3
😝 22_XT[2] 2_REC4
👂 22_XT[2] 2_PGM1
👂 22_XT[2] 2_PGM2

The right white window displays all the servers found inside the database. As it is the first time configuring the system, all 'Machines' are not attributed to a network.

Press the button Add Network:

Add network

The popup window appears:

🦂 Add Networl	k	×
Name	Xnet1	
Resolution	Hi Res	•
ОК	Cancel	

Enter a new logical network name (default names: Xnet1, Xnet2, Xnet3...) and select the network resolution (select the networ

Press Ok to create the network and incorporate the list.

Repeat the **Add Network** operation to create all wanted Hi Res and Lo Res logical networks.

Drag and drop the servers from the **Machines not attributed to a network** list to the new networks.

🖙 💑 🔳 Machines not attributed to a network
😝 01_XT[2] 1_HSC2
😝 01_XT[2] 1_REC3
😝 01_XT[2] 1_REC4
🕨 01_XT[2] 1_PGM1
D1_XT[2] 1_PGM2
🔢 Hilfles Nework
🗄 💑 🔲 LoRes Network

Once a logical network is created, right-clicking on its name allows renaming, changing the resolution designation or removing it.

🕀 🍰 🔳 Machines not atti	Machines not attributed to a network						
HiRes Nework		Rename Network					
	Lones Network Hi-Res Network Lo-Res Network	Hi-Res Network					
		Lo-Res Network					
		Remove Network					

Default server and page for restoring near line clips:

Define, in the XT Network tab, the target server and page for receiving restored clips from the near line storages.

The default page is chosen with the following parameter:

Default page for restores of clips	6	*
------------------------------------	---	---

The default server is tagged by a right-click on its name:

j💑 🔝 Machines not al	tributed to a network
🕂 💑 🔝 HiRes Nework	
	✓ Default Machine
🖽 🙀 🛄 LoHes Network	

Once selected, the default machine is shown with this icon: EW XT[2] 1

3.10.4 Services Configuration

The purpose of this function is to allow an administrator to define a different user for the IP-Director services to be started with instead of the default user of DVB. This setting should only be changed with a complete understanding of its impact.

The IP-Director services can't be logged on as Local System to access network resources. The default user used is DVB. This user is present on every EVS systems to allow exchanges between products.

For example: IP-Scheduler sends XML files to an XFILE shared folder, the DVB user must also be present on the XFILE workstation to allow these files to be shared easily.

Changing the logon used by the services can have an important impact on file sharing and access between EVS products and other 3rd Party systems.

Edit WorkGroup 'global' General Parameters	
Services	laith (Ph. Saoilaith 📉 Ab, Ste 🤷 Rastock), Seath Ficege Seat (Sterior Response), softe Response (S
	Services Configuration
	Services will be logged on as Login : dvb Password : ••• I Auto create the user
	Save Cancel Apply

Select the Services tab.

Login:

Enter the login name of the user.

Default value: dvb

Password:

Enter the password of the user.

Default value: (blank)

Auto create the user:

If this option is checked, a new user is created on all the workstations detected by the Remote Installer (if this user doesn't already exist).

Default value: Unchecked.



Note

All Services (IPD-Routing, SynchroDB, IP-Director, IP-Scheduler, VTR Engine, IP-Drive and IP API) must be stopped to visualize this tab.

3.10.5 Lan and Wan Configuration

XT IP Addresses Serial Number User ID (LSM ID) Name IP Address 1 Port 1 IP Address 2 Port 2 Login Privation 1 LAN - IP Address Ranges WAN - IP Addresses Addresses Addresses * Address Comment *				LAN	and WAN C	Configur	ation		
Serial Number User ID (LSM ID) Name IP Address 1 Port 1 IP Address 2 Port 2 Login Port 2 LAN - IP Address Ranges WAN - IP Addresses Maddress 2 Maddres 2 Maddress 2 Maddress 2	KT IP Ad	dresses							
LAN - IP Address Ranges WAN - IP Addresses Address Comment Address Comment * Address Comment *		onan Hamber		Trans	T Address T	Tott	I Address 2	T or 2 Cogn	L GSWO
*									
	AN - IP /	Address Ranges Start Address	End Address	Comment		WAN - IP	Addresses Address	Comment	

Select the LAN and WAN tab.

XT IP Addresses:

This box shows the Serial Number, Net number, Name, IP addresses, Ports, Login and Password of the server managed by the SynchroDB services inside the workgroup.

These **values are auto-obtained** and cannot be edited and are used for the XML processes (Send to / Export) when sending via the Gigabit Ethernet mechanism.

The SynchroDB and IPD-Routing services must be started to visualize the list. It may take some time for this list to appear once the services are started.



Important

The server Gigabit feature allows exporting and sending clips through a TCP/IP network. Your server must be upgraded with a GBX module on the H3X (or HCTX) card. Please contact EVS for more information.



Note

The Gigabit Ethernet settings are set inside the Multicam Configuration, Tab Network (SHIFT+F2, Tab 3 Network) while the application is running and pressing F8 on a line in the EVS Menu.

Please refer to the Server Software Technical reference manual.

LAN – IP Address Ranges:

While local IP-Director workstations inside the LAN utilize Multicast to communicate, distant IP-Director workstations (WAN) communicate by Unicast with the local IP-Director workstations (LAN) inside IP address range(s).

It is desirable to define small range(s) of IP addresses to reduce Unicast communication to a minimum number of addresses.

Default value: (blank)

	Start Address	End Address	Comment	
*				
		1		

WAN – IP Addresses:

Local IP-Director workstations (LAN) communicate by Unicast with the distant IP-Director workstation(s) defined in the WAN section.

Default value: (blank)

	Address	Comment	
*			
	1		



Note

All Services (IPD-Routing, SynchroDB, IP-Director, IP-Scheduler, VTR Engine, IP Drive and IP-API) must be stopped to edit the LAN – IP Address Ranges, the WAN – IP Addresses and the Advanced Parameters.

For example:

4 IP-Director workstations on an Ethernet network (LAN) and 1 IP-Director accessible by an Internet connection (WAN).



Specify the configuration as follow:

Advanced Parameters:

By clicking on the Advanced Parameters button, you access this window:

🖳 Poi	ts					
	Ports					Multicast
	IpdComm : Routing Service :	31001 31002		IpDirector Close App : SynchroDB User Interface :	31006	Routing Service : 224 14 0 1
	Routing Service Udp Server :	31003		IpScheduler User Interface :	31008	Remote Installer :
	IPWS Server : Remote Installer Client :	31016 31004		VtrEngine User Interface : Routing User Interface :	31009 31010	Remote Installer Install :
	Remote Installer Port :	31005	01000	IP Drive User Interface :	31014	224 14 0 3
	HI Server From to : Monitoring Server from to :	31020	31029	IPWS User Interface : Software Player port :	31015	
	SWP range added from to	: 100	110	IPD Plugin User Interface :	31041	
						OK Cancel

The LAN/WAN configuration give you the possibility to change ports used by IP-Director Application and all the services:

Ports: Default values	IpdComm:		31001		
	Routing Service:		31002		
	Routing Service Udp Server:				
	IPWS Server				
	Remote Installer Client:				
	Remote Installer Port:		31005		
	IpDirector Close App:		31006		
	SynchroDB User Interface:		31007		
	IpScheduler User Interface:		31008		
	VtrEngine User Interface:				
	Routing User Interface:		31010		
	IP Drive User Interface		31014		
	IPWS User Interface		31015		
	Software Player port		31018		
	RI Server Fromto	31020	31029		
	Monitoring Server fromto	31030	31039		
	SWP range added fromto	100	110		
Multicast: Default values	Routing Service 224.14.0.1				
	Remote Installer 224.14.0.2				
	Remote Installer Install	224.14.0).3		

Inside the LAN, IP-Director workstations communicate by multicast.



We recommend you to keep the default values for these settings. Your network administrator provides you the new port numbers or multicast addresses if needed.

3.10.6 SynchroDB Configuration (Load Balancing)

The SynchroDB Load Balancing parameters are only relevant when some SynchroDB workstations are defined to operate in the Network mode.

Λ	Im
	In

mportant

In **Restricted Stand Alone** and **None** mode, these parameters are not taken into account.

Select the SynchroDB tab.

Edit WorkGroup 'global' General Parameters	
SynchroDB Network Configuration	
Net	Work Number of IP Client 1-10 Number of XT 1-5 V Use Default Parameters
	Max Non SDTI 10 Max SDTI 10 Optimum Non SDTI 5
5	Use Default Parameters Max Non SDTI 10 Max SDTI 10 Optimum Non SDTI 5 Save Cancel Apply

Network:

Specify the appropriated IP Client (IP-Director workstation) and XT (server) ranges.

Use Default Parameters:

• Automatic: Check the 'Use Default Parameters' check box

In this case, the system will automatically calculate the variables of the load balancing process. You only need to specify the Number of IP Client workstations present on the IP network and the number of XTs (All EVS Servers) available on the XNet network.

• Manual: Uncheck the 'Use Default Parameters' check box.

If you want to manually define the automatic load balancing variable, uncheck the 'User Default Parameter' check box.

3 variables must be defined:

• Max Non-SDTI:

The maximum number of servers (for which an RS422 connection to an IP-Director workstation exists) the SynchroDB in network mode should manage at one time when network mode is employed.

• Max SDTI:

The maximum number of server or XFile system(s) (for which no RS422 connection to an IP-Director workstation exists) the SynchroDB in network mode should manage at one time when network mode is employed.

• Optimum Non SDTI:

The optimum number of servers (for which an RS422 connection to an IP-Director workstation exists) the SynchroDB in network mode should manage at one time when network mode is employed.



Note

We recommend you to keep the default values for these settings.
3.10.7 XML Unit Configuration

Select the' XML Unit' tab.

XML units must only be defined if you plan to:

- \circ $\,$ Manually select the destination folder where the clips will be moved to.
- Send a clip to a Clean Edit system.
- \circ $\,$ Send a clip to an Avid System using the Transfer Manager.
- \circ $\,$ Send a clip to a Final Cut Pro.
- Send a clip to a server using the Gigabit Interface.
- Create clip thumbnails and image grabs.



Note

The default archive procedure (send to \rightarrow default archive) from the IP-Director interface, does not use XML unit process.

	il' General Parameters	🐹 XML Unit	unun I o		en Grent () Henisian)	hannaarreet () in Sta	(the second second second
		XML Un	nit Confi <u>o</u>	guration			
				Delav	between two XML File s	ent (in seconds) : 15	
		The xml unit path is the root fok - the config session, XML tab o - the New XML scan dialog box	lder of xml sca of the XFile x of XT Acces	nning as defin s.	ed in:	13	
	Name	Path	Default	Туре	Fallback	XML File Prefix	View config
	LoadBalancing	\\DB64500\LoadBAL\	🔽	IP -	XML Unit 1	•	View config
.0	XML Unit 1	VXSTORE64580VXTAccess_XM		IP 🔻	XML Unit 2	•	View config
	XML Unit 2	\VXSTORE64580\XFile_XML\		SDTI 🔻	XML Unit 1 🔹	•	View config

Delay between two XML file sent (in seconds):

This parameter indicates the time (in seconds) between 2 XML files sent to an XML unit from one IP-Director workstation.

What is it used for?

The XTAccess, XSquare or XFile system executes the XML instructions of one XML unit based on their creation time. If one IP-Director workstation on the network sends lots of instructions at one time, it could delay the execution time of other IP-Director instructions.

This parameter allows the system to minimize this kind of bottleneck by spacing the time in which one system can send consecutive instructions to an XML unit.

Default value: 15 Seconds

Note

Create a new XML unit



A XML unit (type SDTI) is an XML folder located on one XFile workstation where all XML files (corresponding to a backup request, a clip export to a Clean Edit, AVID system, FCP system or Nearline) will be sent.

XML unit (type IP) is also an XML folder located on the network and scanned by the XTAccess/XSquare application. XTAccess/Xsquare is designed to manage clip transfers on the network using the server Gigabit feature.

Click on the 'New' button to add a new unit.

Edit WorkGroup	'global'	General Paramete	rs							×
I mound of			2	💰 XML Unit 📃 👘	et sales in the	and the	ogen Ganon These	issa (hanganan) (seffa	diaragement -	• •
				XML Unit	Config	guratior	ז			
						Dela	ay between two XM	L File sent (in seconds) : 15		-
			The xml - the cor - the Ner	unit path is the root folde nfig session, XML tab of t w XML scan dialog box o	rofxmlsca heXFile fXTAcces	nning as def s.	ined in:			
		N	D.4		D (I	т	F m - 1	VALUE D.C.	vr r	
	•	Name	Path		Default	Type	Fallback ▼	XML File Prefix	View config	
				New		D	elete			
				Save	Cano	el	Apply			

A new line is added in the unit list.

Name:

Click in the 'Name' column and give a name to the unit.

This name is mainly for purposes of administration, and defining the XML processing device later in the configuration.

Path:

Click on the browse button to select the folder where the XML files will be sent. This folder should be a UNC path to the network locations where the folder exists.

Browse For Folder		×
📃 Desktop		
Dibraries		
Þ 🥦 DVB		
👂 🌉 Computer		Ξ
🔺 📬 Network		
⊿ 🖳 DB64500		
🛛 🔛 LoadBAL		
		Ŧ
Make New Folder	OK Cancel	



Note

This folder must correspond to the XFile_XML folder on the XFile workstation or the XTAccess/XSquare XML folder which will effectively manage the clip. Be sure this folder is shared with full access rights.

Note

Only UNC DNS name or IP address path are valid. (Ex: \\XFile53210\XTAccess_XML\, \\1.1.1.100\XTAccess_XML\)

No local paths are valid.

A message appears if the selected path is not valid:



Default:

If the unit is to be defined as the default unit for all workstations, check the box in the default column of the unit.

Unit Type:

Specify the type of the XML Unit:

SDTI: Use this option if the XML Unit is a XFile folder (XFile_XML)

Туре	
SDTI	~
SDTI Hybrid IP	

- \circ $\;$ Hybrid: This mode is not used and will be removed in a future version.
- IP: Use this option if the XML Unit is an XTAccess/XSquare folder (Please refer to the XTAccess/XSquare User manual)

Fallback XML Unit:

Select another SDTI XML Unit to insure a failover process if this one is not responding (mostly use to switch from an IP XML Unit to a SDTI XML Unit).



Important

Create first the other XML Units and press Apply to add them in the Fallback XML Unit list.

XML File Prefix:

It adds a prefix value to all XML files being dropped in a specific XML unit. This allows for other device to append a unique prefix for identification purposes.

In previous IP-Director versions, this parameter was unique for all XML Unit in a workgroup and was located in the general tab.



Note

EVS suggests using the default value. This parameter is designed for custom projects. Please contact EVS staff for additional information about this parameter.

View config:

Press the View config button to display the XML Unit status.

View config

This feature introduces the Live Bit status of the XML Unit.

What is the XML Unit LiveBit?

Both kinds of EVS XML Unit (XFile and XTAccess/XSqaure) generate an XML file located on the root of the XML Unit.

This file is refreshed every 30 seconds and updates its status and capabilities.

Before sending an order to an XML Unit, IP-Director can check if this one is online or not and if the wanted job can be done or not.

Example of an XTAccess/XSquare XML Unit folder:

				[- 0	×
🚱 🗢 🖳 🕨 Network 🕨 XST	ORE64580 ► XTAccess_XML ►	▼ 4 Sec	arch XTAco	ess_XML		Q
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp						
Organize 🔻 New folder					-	(?)
🔶 Favorites	Name	Date modifie	d	Туре	Size	
	퉬 Jobs_Done	11/Oct/2012	8:41	File folder		
🧮 Desktop	퉬 Jobs_In_Progress	11/Oct/2012	8:41	File folder		
🥽 Libraries	퉬 Jobs_Incoming	11/Oct/2012	8:41	File folder		
Documents	퉬 Jobs_Scheduled	11/Oct/2012	8:41	File folder		
🌙 Music	LiveBit_Global_1.1.180.30_Media_2_08.ipdxml	12/Oct/2012	12:57	IPDXML File		1 KB
Pictures	LiveBit_XTAccess_XSTORE64580.xml	12/Oct/2012	12:57	XML Docu		1 KB
6 items Offline st Offline availab	atus: Online iility: Not available					

Inside the XML Unit tab, the View config button will display this status as long as the XFile or XTAccess/XSquare is launched and scanning the XML Unit folders:

XMLUnit Configuration		×
Description of the functionalit	ies available on the xml unit:	
📝 Clip Backup	📝 Grab	
📝 Playlist Backup	📝 Stream	
📄 XT Gateway		
Directory Type	Private	
Status	Online	
	ОК	

The status is Online or Offline and the Directory Type is Private or Load Balancing. The functionalities available on the XML Unit are shown with checked boxes.



This "View config" feature is just a status window. It can't be edited or modified.

Delete a XML unit

Click on the XML unit line to select it.

Edit WorkGroup 'global' General Parameters										
			XML Ur	nit (Config	guration				
	Delay between two XML File sent (in seconds): 15									
		Name	Path		Default	Туре	Fallback		XML File Prefix	View config
		LoadBalancing	\\DB64500\LoadBAL\		1	IP 🔻	XML Unit 1	-		View config
	Þ	XML Unit 1	VXSTORE64580VXTAccess_XM			IP 🔻	XML Unit 2	-		View config
			New			Del	ete			
			Save		Canc	el	Apply			

Click on the 'Delete' button.

If the XML Unit is declared as a Fallback unit in another line, this message appears:



Click Yes to delete the XML Unit and reset the fallback association in other lines. Click No to keep the XML Unit line and abort the delete order.



Important

Once all XML Units are configured, click on the Apply button.

'Apply' records XML Units in the database. It's mandatory to configure the following Send to, Clean Edit, Avid, FCP and server targets.

Note

All paths are checked when the configuration is applied. If a path is not reachable, this message appears:



The configuration is saved anyway.

3.10.8 Thumbnails and Grab Configuration

Select the Thumbnails tab.

This must be configured if you plan to have thumbnails created automatically as clips, logs and playlists are created. It is also used to configure the Grab function.



Note

Thumbnails and Grab will physically be created by XFile or XTAccess/XSquare workstations. You need at least one XFile workstation on the XNet network or an XTAccess/XSquare on the Ethernet network to use this function.



Important

If a nearline or IP Drives are configured, EVS strongly recommends XTAccess for creating thumbnails. XFile cannot create thumbnails based on files.

dit WorkGroup 'glob	oal' Ge	neral Parameters	and the cost of 🖄 The	umbnails	e Tribbae i John Alba	nggerinen 🗍 jus Rus A	
			Thumbna	ils Configuration			
		Grab Type	Thumbnails Path			XML Unit	
	•	Thumbnails for Clips 🔹	\\DB64500\Thumbnails\			XML Unit 1	
		Thumbnails for Logs 🔹	\\DB64500\Thumbnails\			XML Unit 1	
		Thumbnails for Playlist elements 💌	\\DB64500\Thumbnails\			XML Unit 1	-
		Grab to file 💌				XML Unit 1	•
			New	Delete			
			Save	Cancel Apply			



The Thumbnails configuration refer to the XML Units previously defined in the dedicated tab.

Create a new Thumbnail or Grab unit

Click on the 'New' button to add a configuration line.

Edit WorkGroup 'glo	bal' Ge	neral Parameters				×
Timest if the	nation!	inerces with antivity (PE)	👘 Thumbnails	and Firme Sect (News)	in the operation of the designed	4 >
			Thumbnails Con	nfiguration		
		Grab Type	Thumbnails Path		XML Unit	
	•	Grab to file	-		···· XML Unit 1	-
			New	Delete		
			Save	Apply		

A new line is added in the unit list.



Note

At least one Thumbnail unit must be defined to activate the automatic thumbnail creation process.

Thumbnails are created for clips, logs and playlist elements. One configuration line is needed for each grab type.

Maximum 4 lines of configuration can be added in this tab.

Grab Type:

Select the type of configuration.

Grab Type	
Thumbnails for Clips	~
Thumbnails for Clips	
Grab to file	
Thumbnails for Logs	
Thumbnails for Playlist elements	

'Thumbnails for clips' to send XML clip thumbnail requests.

'Grab to file' to send XML Grab requests.

'Thumbnails for Logs' to send XML log thumbnail requests.

'Thumbnails for Playlist elements' to send XML Playlist element requests.



Thumbnail Path:

This is the directory (with its full path) where the thumbnail files (.jpg) will be stored.

Enter the UNC path in the text field, or click on the browse button by to select the destination folder.



Note

No Path is needed for a 'Grab to file' grab type.

The path for grab files is defined by users inside the IPD Director interface (please refer to the IPD User Manual) or by the administrator in the Settings Tab inside the User Manager application (please refer to the User Manager chapter)

Note

Only UNC DNS name or IP address path are valid.

(Ex:\\servername\sharedfolder\, \\1.1.10.100\sharedfolder\)

No local paths are valid. It is required to use an IP Address when working with IP-Director workstations connected in a WAN configuration as they may not be able to resolve the UNC Host Name of the computer.

A message appears if the selected path is not valid:



Be sure this folder is shared with full access rights. EVS recommends this directory should be located on the database server in the \thumbnails directory.

XML Unit: Click on the drop down button to select the XML Unit where the XML files (thumbnail or grab creation requests) will be sent.





The same XML Unit can be defined for the two different grab types.

Note

Thumbnail and Grab units are global to all IP-Director workstations on the network. They should only be defined once and can be defined from any workstation.

Delete a Thumbnail or Grab unit.

Click on the unit line to select it.

Edit WorkGroup 'glo	bal' Ge	neral Parameters		×
I tanend if the	Reading .	tanna with addition (FR in	🕐 Thumbnails	
			Thumbraile Configuration	
		Grab Tune	Thumbhails Path XMI Unit	
	►	Thumbnails for Clips	▼ \\DB64500\Thumbnails\ … XML Unit 1	
		Grab to file	- XML Unit 1	-
			New Delete	
			Save Cancel Apply	

Click on the 'Delete' button.

The unit is deleted.



Note

If an XML unit does not have a valid XML Unit Path defined, the XML unit may not be able to be deleted. In this case, browse to a valid location, and then delete the UNIT.

3.10.9 Targets Configuration

This tab includes all the previous target tabs. It is now easier to configure all the different targets from the same place.

Select the Targets tab.

Edit WorkGroup 'global' General Parameters										
F named if the	Targets									
Targets Configuration										
Show All Targets										
Send A/V to:	Searc	sh:			Show All					
File On Shared Drive		Name 🔺	Туре		Destination path/Avid Name	_	XML Unit	Currently published to	Publish	
	•	AVID StandAlone	Avid	-			XML Unit 1	•	Publish	
Avid		AVID TM	Avid	-	EVSDevice		XML Unit 1	•	Publish	
Final Cut Pro		AVID WebService	Avid	-	http://1.1.10.10:9000/services/Assets		XML Unit 1	•	Publish	
		CE	CE	•	\\XStore64580\HiResFiles\		XML Unit 1	•	Publish	
Clean Edit		CE Direct Access	XML ref file	-	\VXSTORE64580\Reference\		N/A	•	Publish	
		External Backup	File	-	\\PC2U10000\D on PC2U10000\		XML Unit 1	•	Publish	
An XT on another network	An XT on FCP FCI		FCP	-	\\MacPro\Movie\		XML Unit 2	•	Publish	
		Grouped Targets	Group	-				•	Publish	
Reference AN:		Server on XNET2	XT	-			XML Unit 1	•	Publish	
XML File on										
Shared Drive										
T										
Target groups:										
Group of targets										
					Save Cancel		Apply			

• **Show All Targets:** Displays all configured targets. Editing of the individual fields is not allowed with the exception of the publish feature which is available.

Send A/V to:

- File On Shared Drive: Allows configuring conventional folder targets.
- **Avid TM:** Allows configuring Avid targets via an AVID Transfer Manager, Web Services or Stand Alone mode.
- Final Cut Pro: Allows configuring dedicated Final Cut Pro targets.
- o Clean Edit: Allows configuring Clean Edit targets with A/V material.
- An XT on another network: Allows configuring XT (server) Export targets.

Reference A/V:

 XML File on Shared Drive: Allows configuring targets which use a XML file for referencing the backup job. (Example: The Clean Edit Direct-Access).

Target groups:

• **Group of targets:** Allows grouping several pre-defined targets into a single one.

'File On Shared Drive' Configuration

This tab should be used to pre-configure the destination directories where clips are to be sent from the IP-Director interface using the 'Send To' option.

Pusł	ר th	e File On Dri	Shared ve b	outton in t	he left me	enu:				
Edit WorkGroup 'glo	bal' Ge	neral Parameters		in the second second	Tar	gets				
				Tar	gets Configu	ıration				
Show All Targets	_									
Send A/V to:		Name	HiRes Destination path	XML Unit	HiRes File Format	LoRes Path	XML Unit LoRes	XML Metadata file	XML file path	Play Typ
Drive	Þ	External Backup	\\PC2U1000 ▼	XML Unit 1 🔹	EVS MXF 💌		N/A 🔻	✓	[··· Flatte
Final Cut Pro Clean Edit AnXT on another network Rafarance AV XML File on Shared Drive Target groups: Group of targets	•			Ner	117 N	Delete				þ
				Save	Cance	App	ly			



Note

XML Unit creation is required before configuring any target.

Create a new 'File On Shared Drive' target

Click on the 'New' button to add a new folder.

Edit WorkGroup 'glo	bal' General Parameters								×
Thereast Contemp	nodes Service (Head's		1	Tar	gets	ent date and barries	animani (sa	The Assessment	4 >
			Tai	rgets Configu	ıration				
Show All Targets									
Send A/V to:	Name	HiRes Destination path	XML Unit	HiRes File Format	LoRes Path	XML Unit LoRes	XML Metadata file	XML file path	Play Typ
Drive	•		Default XML 🔻	EVS MXF 🗸		N/A 👻	V		··· Flatte
Avid									
Final Cut Pro									
Clean Edit									
A - MT									
An XT on another network									
Reference AN:									
XML File on Shared Drive									
Target groups:									
Group of targets									
	•			III					Þ.
			Ne	w	Delete				
			Save	Cance	l Ap	ply			

A new line is added in the unit list.

Note

A new destination target can also be created from the IP-Director GUI, from the 'Send To' menu.

Please refer to the IP-Director User Manual.

Name:

Click in the 'Name' column and give a name to the target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the destination target in the IP-Director interface.

HiRes Destination Path:

Select in the list or browse the network to define the folder where the HiRes files are sent. This folder should be a UNC path to the network locations where the folder exists.

Note

Only UNC DNS name or IP address path are valid. (Ex: \\MachineName\Target\, \\1.1.1.100\Target\)

No local paths are valid.

Note

Be sure this folder is shared with full access rights.

XML Unit:

Select the XML unit used to perform the HiRes job (using the SDTI or the Gigabit network). Choose one specific unit in the list if the job must be performed by the XFile or an XTAccess/XSquare system where this XML unit is located (the XML unit is linked to the destination target).

HiRes File Format:

Choose the MXF EVS, OP1A MXF XDCAM, QuickTime Movie, QuickTime Reference, Avid MXF OPAtom, DV-DIFF, OP1A MXF SMPTE or Wave format. It defines the type of files created by the XFile or XTAccess/XSquare system.



LoRes Path:

Select in the list or browse the network to define the folder where the LoRes MXF files are sent. This folder should be a UNC path to the network locations where the folder exists.



Note

Only UNC DNS name or IP address path are valid. (Ex: \\MachineName\Target\, \\1.1.1.100\Target\)

No local paths are valid.

Note

Be sure this folder is shared with full access rights.

XML Unit LoRes:

Select the XML unit used to perform the LoRes job (using the SDTI or the Gigabit network). Choose one specific unit in the list if the job must be performed by the XFile or an XTAccess/XSquare system where this XML unit is located (the XML unit is linked to the destination target).

The file format of a LoRes Clip is a MXF file by default.

The LoRes clips and feeds are coded in a proprietary EVS codec on the XL[2] hardware. The content can't be used outside EVS systems. The file format is therefore set to MXF EVS.

XML Metadata File:

If the box is checked, IP-Director sends metadata XML files linked to clips.

Note
IP-Director includes extended metadata stored in the IPD database. When clips are exported to targets, metadata can be joined in XML files created in the same target clip folder or in a different one.

XML File path:

Specify the target folder which receives the XML Metadata files. This folder can be the same folder as the Backup Destination Directory or a different one.



Note

Be sure this folder is shared with full access rights.

Playlist Backup Type:

Select the wanted backup type of the playlist:

- EDL and clips: All playlist elements become files and an XML file is created in the same destination folder with the EDL information.
- EDL and flatten file: The playlist is rendered into a single file and an XML file is created in the same destination folder with the EDL information.
- $\circ~$ EDL only: An XML file is created in the same destination folder with the EDL information.
- Flatten file only: All playlist elements become files and no XML file is created.

Publish:

If this destination target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Group 2 Group 3		Group 1
	>	
	<	
		Clear selection

Groups are created in the User Manager application (see User Manager Chapter).

Delete a 'File On Shared Drive' Target.

Edit WorkGroup 'global' General Parameters										
T canonal of the	Roading (Caroline (Maranh)	wither (PP) conversions	e See see has	Tar	gets	and have used from	agericanii)	The Alternative	••
				Tar	gets Configu	ıration				
Show All Targets										
Send A/V to:		Name	HiRes Destination path	XML Unit	HiRes File Format	LoRes Path	XML Unit LoRes	XML Metadata file	XML file path	Ріау Турі
Drive	Þ	External Backup	\\PC2U1000 💌	XML Unit 1 🔹 🔻	EVS MXF 🔹		• N/A •			··· Flatte
Avid										
Final Cut Pro										
Clean Edit										
An XT on										
another network										
Reference A/V:										
XML File on Shared Drive										
Target groups:										
Group of targets										
	•									•
				Ne	N	Delete				
				Save	Cance		ylqc			

Click on the line header to select it.

Click on the 'Delete' button.



Note

Once all 'File on Share Drive' targets are configured, click on the Apply button before configuring another target type.

'Avid' Configuration

This tab must be used to define and configure the different AVID destination target(s) available on the network where clips are to be sent from the IP Director interface using the 'Send To' option

	Avid	
Push the		button in the left menu

Edit WorkGroup 'global' General Parameters									
Targets Configuration									
Show All Targets									
Send A/V to: File On Shared Drive Avid	//o: Please choose whether you are working with a Transfer Manager, web services or a stand-alone Avid system. ihared e Avid Ingest device and Workspace name have to be filled in when working with a Transfer Manager. The same columns must contain Web services Host and Interplay URI when working with web services. d Web services host format: http://[ip]:[port]/services/Assets URI format: interplay.//[workgroup]/Incoming Media/								
Final Cut Pro		Name	Target Type		Avid Ingest Device / Web services Host	Workspace Name / Interplay URI	Interplay User	Password	Destination p
Clean Edit	•	AVID WebService	Web services	•	http://1.1.10.10:9000/servi	interplay://AvidWG/Incomi	Administrator		\\1.1.10.10\A
An VT on		AVID TM	Transfer Manager	-	EVSDevice	From EVS			
another network		AVID StandAlone	Stand Alone	-					\\1.1.10.10\A
Reference AVV XML File on Shared Drive Target groups: Group of targets	•		III		New	Delete			þ
				S	ave Cancel	Apply			

There are now three kinds of AVID targets:

- o The AVID Transfer Manager
- o The AVID Webservices (allows sending playlists and timelines)
- The AVID StandAlone (without checking to an AVID Interplay)



Note

XML Unit creation is required before configuring any AVID target.

Note

Webservices requires the usage of AVID Interplay

Create a new AVID Transfer Manager target

Edit WorkGroup 'glo	obal' General Parameters						X			
	Targets									
Targets Configuration										
Show All Targets										
Send A/Vio: Please choose whether you are working with a Transfer Manager, web services or a stand-alone Avid system. File On Shared Drive The same columns must contain Web services Host and Interplay URI when working with web services.										
Avid	Web services host form URI format: interplay://	at: http://[ip]:[port]/services/Assets [workgroup]/Incoming Media/								
Final Cut Pro	Name	Target Type	Avid Ingest Device / Web services Host	Workspace Name / Interplay URI	Interplay User	Password	Destination p			
Clean Edit	•	tasoide Miseraaleo	•							
An XT on another network										
Reference A/V: XML File on Shared Drive										
Target groups: Group of targets										
	•	"	New	Delete			4			
			Save Cancel	Apply						

Click on the 'New' button to add a new target. A line is added in the unit list.

Name:

Give a name to the AVID Transfer Manager target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the AVID target in the IP-Director interface.

Target Type:

Select the target type Transfer Manager.

Avid Ingest Device (/Webservices Host):

Enter the name of the Ingest Name for the interface with Avid Transfer Manager Server. This information is used by Avid Transfer Manager Server to specify from which ingest device the transfer is initiated.

Default: EVSDevice

Workspace Name (/Interplay URI):

Enter the Avid workspace name dedicated to this target (optional). The exported clips could be sorted in different workspaces on the AVID side.

Use of this function requires an Asset Management system on the AVID system like Media Manager or Interplay.

Default: <Blank>

Interplay User – Password – Destination path

These fields are not used and can't be edited if the target type is 'Transfer Manager'

XML Unit:

Specify the XML unit which will be used to perform the job. This unit should be located on the XFile or XTAccess/XSquare workstation which will dialog with the AVID Transfer Manager Server.



Note

XFile or XTAccess/XSquare XML Unit can be selected for a 'Transfer Manager' target type.

Please refer also to the XFile or XTAccess/XSquare User Manual for an AVID Transfer Manager configuration.

Playlist Backup Type:

This field is not used and can't be edited if the target type is 'Transfer Manager'.

It is not possible to send playlist or timeline through a Transfer Manager.

Publish:

If this destination target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

vailable groups		Selected groups
Group 2 Group 3		Group 1
	>	
	<	
		Clear selection

Create a new AVID Web services target

Edit WorkGroup 'glo	bal' Ge	eneral Parameters							X		
F inserande of the	Targets										
Targets Configuration											
Show All Targete											
Show All Targets											
Send AN/In:		Please choose whether you	are working with a Transfer	Mana	ager, web services or a stand-al	one Avid system.					
File On Shared Avid Ingest device and Workspace name have to be filled in when working with a Transfer Manager.											
Drive	Drive										
Avid Web services host format: http://iip/[port]/services/Assets UBI format: interplay://work.group/Incoming Media/											
Final Cut Pro					Avid Incest Device /	Workspace Name /	Interplau				
		Name	Target Type	-	Web services Host	Interplay URI	User	Password	Destination p		
Clean Edit	•		tasone (hanaar)	•							
An XT on											
another network											
Reference A/V:											
XML File on Shared Drive											
Target groups:											
Group of targets											
	•		III	_					4		
					New	Delete					
				S	ave Cancel	Apply					

Click on the 'New' button to add a new target. A line is added in the unit list.

Name:

Give a name to the AVID Web services target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the AVID target in the IP-Director interface.

Target Type:

Select the target type Web services.

(Avid Ingest Device/) Webservices Host:

Enter the host address link to the Webservices on the Avid Interplay System. This information is used by XTAccess/XSquare to connect specific host and ports dedicated to the target.

Default: http://[ip]:[port]/services/Asset

[ip]: IP address of the computer where the Avid Webservices are running.

[port]: The port configured for your Avid Webservices

(Workspace Name/) Interplay URI:

Select in the list or browse the network to define the path where the clip/playlist will be seen in the Interplay DB. Sub-folder can be added after the Incoming Media folder.

Default: interplay://[workgroup]/Incoming Media

[workgroup]:the AVID workgroup target.

Interplay User:

Enter the name of an AVID user which has the Interplay entry right.

Password:

Enter the password of the previously defined Interplay user.

Destination path:

Enter the path where the OPAtom files are saved on the AVID Storage. Default: \\[ip]\Avid Mediafiles\



Note

The AVID Webservices target always sends OPAtom files. There is no file type configuration for this kind of target.

Note

The destination path should match with the Avid MXF OPAtom storage on the AVID system.

XML Unit:

Specify the XML unit which will be used to perform the job. This XML unit is located on an XTAccess/XSquare workstation which interacts with the AVID computer where the Webservices are running.



Note

Only XTAccess/XSquare XML Unit can be selected for a 'Web services' target type.

Please refer also to the XTAccess/XSquare User Manual for an AVID Webservices configuration.

Playlist Backup Type:

Define the type of the backup for the playlist and timeline.

- EDL and Clips: XTAccess/XSquare transfers all the clips and create an AVID sequence which references all playlist and timeline elements.
- EDL only: not supported.
- Flatten file only: XTAccess/XSquare concatenates the playlist or the timeline in a single media file on the AVID storage.

Publish:

If this destination target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Group 2 Group 3		Group 1
	>	
	<	
		Clear selection

Create a new AVID StandAlone target

Edit WorkGroup 'glo	Edit WorkGroup 'global' General Parameters										
Theread of the	Roadity.	Sanction (1984-auto-1997	n 1995 contentint 🔉 one	Та	rgets	a changenet i	instantions.	georgen (* 4. * .			
Targets Configuration											
Show All Targets											
Send A/V to: File On Shared Drive Avid	Virto: Please choose whether you are working with a Transfer Manager, web services or a stand-alone Avid system. File On Shared Drive Avid Ingest device and Workspace name have to be filled in when working with a Transfer Manager. The same columns must contain Web services Host and Interplay URI when working with web services. Web services host format: http://[ip].[port]/services/Assets Avid URI format: http://[ip].[port]/services/Assets URI format: interplay.//[workgroup]/Incoming Media/										
Final Cut Pro		Name	Target Type	Avid Ingest Device / Web services Host	Workspace Name / Interplay URI	Interplay User	Password	Destination p			
Clean Edit	•		- and the support	•							
An XT on another network											
Reference A/V:											
XML File on Shared Drive											
Target groups:											
Group of targets											
				New	Delete			F			
				Save	el Apply						

Click on the 'New' button to add a new target. A line is added in the unit list.

Name:

Give a name to the AVID StandAlone target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the AVID target in the IP-Director interface.

Target Type:

Select the target type **StanAlone**.

Webservices Host - Interplay URI - Interplay User - Password:

These fields are not used and can't be edited if the target type is 'StandAlone', as there is Interplay referencing engine.

Destination path:

Enter the path where the OPAtom files are saved on the AVID Storage.

Default: \\[ip]\Avid Mediafiles\

Note

The AVID Webservices target always sends OPAtom files. There is no file type configuration for this kind of target.



The destination path should match with the Avid MXF OPAtom storage on the AVID system.

XML Unit:

Specify the XML unit which will be used to perform the job. This XML unit is located on an XTAccess/XSquare workstation which interacts with the AVID computer where the Webservices are running.



Note

Only XTAccess/XSquare XML Unit can be selected for a 'Web services' target type.

Please refer also to the XTAccess/XSquare User Manual for an AVID Webservices configuration.

Playlist Backup Type:

Define the type of the backup for the playlist and timeline.

- EDL and Clips: XTAccess/XSquare transfers all the clips and create an AVID sequence which references all playlist and timeline elements.
- EDL only: not supported.
- Flatten file only: XTAccess/XSquare concatenates the playlist or the timeline in a single media file on the AVID storage.

Publish:

If this destination target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Publish		×
Available groups		Selected groups
Group 2 Group 3		Group 1
	>	
	<	
		Clear selection
		Publish Cancel

Delete an AVID target.

Click on the line header to select it.

Edit WorkGroup 'glol	dit WorkGroup 'global' General Parameters												
Therease of the	Targets												
Targets Configuration													
Show All Targets													
Send A/V to: File On Shared Drive Avid		Please choose whether you Avid Ingest device and Work The same columns must con Web services host format: hi URI format: interplay://[work	are working with a Transfer (space name have to be fill tain Web services Host and (ttp://[ip][port]/services/Ass group]/Incoming Media/	Man edin dinte sets	ager, web services or a stand-al when working with a Transfer M rplay URI when working with we	one Avid system. lanager. sb services.							
Final Cut Pro		Name	Target Type		Avid Ingest Device / Web services Host	Workspace Name / Interplay URI	Interplay User	Password	Destination p				
Clean Edit		AVID WebService	Web services	-	http://1.1.10.10:9000/servi	interplay://AvidWG/Incomi	Administrator		\\1.1.10.10\A				
A WT -		AVID TM	Transfer Manager	-	EVSDevice	From EVS							
another network	Þ	AVID StandAlone	Stand Alone						\\1.1.10.10\A				
Reference AVV XML File on Shared Drive Target groups: Group of targets	•				New	Delete			,				
				S	ave Cancel	Apply							

Click on the 'Delete' button.



Note

Once all AVID targets are configured, click on the Apply button before configuring another target type.

'Final Cup Pro' Configuration

This tab must be used to define and configure the different Final Cut Pro destination target(s) available on the network where clips are to be sent from the IP-Director interface using the 'Send To' option

	Final Cut Pro	
Push the		button in the left menu:

Edit WorkGroup 'global' General Parameters											
I mensed of the	naine i	Sector office	ustante. (PE constance) 🔉 M	N. INP.	 Hustitudt: 	argets	Logen Galerk	danar your	diana	general service damage	nonen 1 →
				la	rgets Config	guratioi	ר				
Show All Targets											
Send A/V to:		Name	Destination path		XML Unit		File Format	XML Metadata file	FCP xml	QT Movie Local Path	EDL Path
File Un Shared Drive	•	FCP	\\MacPro\Movie\	-	XML Unit 2	-	QT Mov 💌	V	V	///Users/EVS/Movie	\\MacPro\EI
Avid											
Final Cut Pro											
Clean Edit											
An XT on another network											
Keterence A/V:											
Shared Drive											
Target groups:											
Group of targets											
	4										
							alata		_		
					CVV		sicie				
				Save	e Car	icel	Apply				



XML Unit creation is required before configuring any FCP target.

Create a new Final Cut Pro target

Click on the 'New' button to add a new folder.

Edit WorkGroup 'glo	bal' Ger	neral Parameters									×
T names of the	econter.	Service of the	aliante (PE) constantite 🔉	ONE has	Та	rgets	Logen Gaperte	Same and	diama.	group _ soften daar	(angles angles
	Targets Configuration										
Show All Targets											
Send A/V to:		Name	Destination path		XML Unit		File Format	XML Metadata file	FCP xml	QT Movie Local Path	EDL Path
Drive	•			-	Default XML Unit	-	QT Mov 🔻	V			
Avid											
Final Cut Pro											
Clean Edit											
An XT on											
another network											
Reference AN											
XML File on											
Shared Drive											
Target groups:											
Group of targets											
	•			III							Þ.
				N	ew	D	elete				
				Save	: Cance	el 🚽	Apply				

A new line is added in the unit list.

Name:

Click in the 'Name' column and give a name to the Final Cut Pro target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the destination target in the IP-Director interface.

Destination Path:

Select in the list or browse the network to define the folder where the files are sent. This folder should be a UNC path to the network locations where the folder exists.

Note

P

Only UNC DNS name or IP address path are valid. (Ex: \\MachineName\Target\, \\1.1.1.100\Target\)

No local paths are valid.

Note

Be sure this folder is shared with full access rights.

XML Unit:

Select the XML unit used to perform the job (using the SDTI or the Gigabit network). Choose one specific unit in the list if the job must be performed by the XFile or an XTAccess/XSquare system where this XML unit is located (the XML unit is linked to the destination target).

File Format:

Choose the QuickTime Movie or QuickTime Reference format. It defines the type of files which will be created by the XFile or XTAccess/XSquare system.

XML Metadata file:

If the box is checked, IP-Director sends metadata XML files linked to clips.



Note

IP-Director includes extended metadata stored in the IPD database. When clips are exported to targets, metadata can be joined in XML files created in the same target clip folder.

FCP xml:

If the box is checked, IP-Director generates an XML file to be imported into Apple Final Cut Pro. This allows importing EVS custom metadata. Only 6 EVS custom metadata can be imported in Final Cut Pro Project fields:

- EVS Keyword 1 -> Master Comment 1
- EVS Keyword 2 -> Master Comment 2
- EVS Keyword 3 -> Master Comment 3
- EVS Rating -> Master Comment 4
- Clip Number -> Comment A
- Camera ID -> Comment B

QT Movie Local Path:

This path is the local path referenced into the XML FCP to point to the Quick Time Movies File. Final Cut Pro only supports local path and the format used is an APPLE UNC Path.



Note

It is mandatory to fill this parameter if the FCP XML box is checked. The path informs the FCP that clips are linked to the received XML metadata files.

EDL Path:

Select in the list or browse the network to define the folder where the EDL files are sent. This folder should be a UNC path to the network locations where the folder exists.



Only UNC DNS name or IP address path are valid. (Ex: \\MachineName\Target\, \\1.1.1.100\Target\)

No local paths are valid.

Note

Be sure this folder is shared with full access rights.

Playlist Backup Type:

Define the type of the backup for the playlist and timeline.

- EDL and Clips: XTAccess/XSquare transfers all the clips and create an EDL file which references all playlist and timeline elements. The EDL would be loaded in the Apple Final Cut Pro.
- EDL only: not supported.
- Flatten file only: XTAccess/XSquare concatenates the playlist or the timeline in a single media file on the Apple Final Cut Pro storage.

Publish:

If this destination target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Publish		×	
Available groups		Selected groups	
Group 2 Group 3		Group 1	
	>		
	<		
		Liear selection	
		Publish Cancel	

Advanced:

This new optional parameters allow forcing the Pad Output to IMX50, selecting Mono/Stereo for audio and selecting the number of audio bits between 16/24.

FCP Advanced Options	
Pad output to IMX 50 Mono/Stereo	-
Number of Audio Bits	•
Ok	Cancel

Pad output to IMX 50:

If the box is checked, the metadata of the exported clip flags it with an IMX 50 video codec even if the clip is coded in IMX 30 or IMX 40.

Mono/Stereo:

If the setting is blank, the original audio configuration is not affected.

If the setting is set to "Mono", the audio tracks are identified as separated mono tracks.

If the setting is set to "Stereo", the audio tracks are identified per pair of stereo tracks.

Number of Audio Bits:

If the setting is blank, the original audio configuration is not affected.

If the setting is set to "16", the audio format is converted to 16 bits.

If the setting is set to "24", the audio bit format is converted to 24 bits.

Delete a Final Cut Pro Target.

Edit WorkGroup 'glo	obal' Ger	neral Parameters									X
P manage of the	and a second	Savaisa 1981-a	New Physics III	NR NR	💫 Residende	Targets	Logen Galeri	Bank 1945	-bang	annen setters	
				Ta	rgets Confi	guratio	n				
Show All Targets											
			D <i>i i i i</i>		1.00.00 11 N			XML	FCP	QT Movie Local	501.0.4
Send A/V to: File On Shared		Name	Destination path		XML Unit		File Format	file	xml	Path	EUL Path
Drive	Þ	FCP	\\MacPro\Movie\	-	XML Unit 2	-	QT Mov 🔻	V	V	///Users/EVS/Movie	\\MacPro\EI
Avid											
Final Cut Pro											
Clean Edit											
An XI on											
another network											
XML File on											
Shared Drive											
Target groups:											
Group of targets											
	4										•
				N	9141		elete		-		
				Save	Ca	ncel	Apply				

Click on the line header to select it.

Click on the 'Delete' button.



Note

Once all FCP targets are configured, click on the Apply button before configuring another target type.

'CleanEdit' Configuration

This tab is used to define and configure the different Clean Edit destination target(s) available on the network where clips are to be sent from the IP-Director interface using the 'Send To' option.

	Clean Edit	
Push the		button in the left menu:

Edit WorkGroup 'global' General Parameters											
Therease of the	nodes [Series Atta	a an 🕺 Reasons 🖓 Anala	9 8 []	🗿 Resiliende	Targe	ts diaman in	ant D	has in the spectrum in the	ta (Hanggeinen)	• •
				la	rgets Con	figur	ation				
Show All Targets											
Send A/V to:		Name	Destination path		XML Unit		HiRes File Form	nat L	oRes Path	XML Unit LoRes	DSN Nam
File On Shared Drive	•	CE	\VXStore64580\HiResFiles\		XML Unit 1	•	EVS MXF	• \\\	XStore64580\LowResFiles\	▼ XML Un ▼	Clear
Avid											
Final Cut Pro											
Clean Edit											
An XT on											
another network											
Reference AN:											
XML File on Shared Drive											
Torgataroupa											
Group of targets											
	•		III								+
				Ne	ew		Delete				
				Save		Cancel	Ap	pply]		



Note

Create XML Unit(s) first to configure this tab.

Note

To operate Clean Edit with the Direct Access feature, please refer to the XML File on Shared Drive chapter.
Create a new Clean Edit target

Click on the 'New' button to add a new target. A line is added in the unit list.

Edit WorkGroup 'glo	bal' General Parameters						×
T managed of the	number Service (194-184)		Hen nun 🦾 Hansteinungen Ta	rgets	date in the oppose	and in setting and the setting in the	4 >
			Targets Config	uration			
Show All Targets							
Show Air raigets							
Send A/V to:	Name	Destination path	XML Unit	HiRes File Format	LoRes Path	XML Unit LoRes	DSN Narr
File Un Shared Drive	•		··· Default XML Unit	▼ EVS MXF ▼		▼ N/A ▼	
Avid							
E							
Final Cut Pro							
Clean Edit							
An XT on							
Reference A/V:							
XML File on Shared Drive							
Target groups:							
Group of targets							
	•						•
			New	Delete			
			Save Canc	el Apply			

Name:

Give a name to the target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the Clean Edit target in the IP-Director interface.

Destination Path:

Select in the list or browse the network to define the folder where the HiRes files are sent. This folder should be a UNC path to the network locations where the folder exists. The path is usually \\HiResFiles.



Note

Only UNC DNS name or IP address path are valid. (Ex: \\XStoreName\HiResFiles\, \\1.1.1.100\HiResFiles\)

No local paths are valid.

XML Unit:

Specify the XML unit which will be used to perform the HiRes job. This unit should be located on the XFile or XTAccess/XSquare system which updates the CleanEdit database.

HiRes File Format:

Choose the MXF EVS, OP1A MXF XDCAM, QuickTime Movie, QuickTime Reference, Avid MXF OPAtom, DV-DIFF, OP1A MXF SMPTE or Wave format. It defines the type of files which will be created by the XFile or XTAccess/XSquare system.

LoRes Path:

Select in the list or browse the network to define the folder where the LoRes files are sent. This folder should be a UNC path to the network locations where the folder exists. The path is usually \\LoResFiles.



Note

Only UNC DNS name or IP address path are valid. (Ex: \\MachineName\Target\, \\1.1.1.100\Target\)

No local paths are valid.

Note

Be sure this folder is shared with full access rights.

XML Unit LoRes:

Select the XML unit used to perform the LoRes job (using the SDTI or the Gigabit network). Choose one specific unit in the list if the job must be performed by the XFile or an XTAccess/XSquare system where this XML unit is located.



Note

The file format of a LoRes Clip is a MXF file. Another format can't be selected.

The LoRes clips and feeds are coded in a proprietary EVS codec on the new XL[2] hardware. The content can't be used outside EVS systems. The file format is therefore set to MXF EVS.

DSN Name:

Enter a DSN Name (Data Source Name that will allow you to access to the CleanEdit Database).

Default: CleanEditDB

DSN User:

Enter the corresponding DSN User to access to CleanEdit Database. Default: EVS

DSN Password:

Enter the corresponding DSN Password to access to CleanEdit Database. Default: cleanedit

XML Metadata File:

If the box is checked, IP-Director sends metadata XML files linked to clips.

<u> </u>	Note
	IP-Director includes extended metadata stored in the IPD database. When clips are exported to targets, metadata can be joined in XML files created in the same target clip folder or in a different one.

XML File path:

Specify the target folder which receives the XML Metadata files. This folder can be the same folder as the Backup Destination Directory or a different one.



Playlist Backup Type:

Define the type of the backup for the playlist and timeline.

- EDL and Clips: XTAccess/XSquare will transfer all the clips and create an EVS EDL file which references all playlist and timeline elements (currently not supported)
- \circ EDL only: not supported.
- Flatten file only: XTAccess/XSquare will concatenate the playlist or the timeline in a single media file on the CleanEdit storage (currently not supported)

Publish:

If this Clean Edit target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Publish		×
Available groups		Selected groups
Group 2 Group 3		Group 1
	>	
	<	
		Clear selection
		Publish Cancel

Delete a Clean Edit target.

Click on the line header to select it.

Targets	
Targets Configuration	
Chew All Taxaba	
Send AV/to: Name Destination path XML Unit HiRes File Format LoRes Path LoRe	Jnit DSN
File On Shared	
Avid	
Final Cut Pro	
Clean Edit	
AnXT on	
anomer network	
Reference AM	
XML File on Shared Drive	
Target groups:	
Group of targets	
< III	Þ
New Delete	
Save Cancel Apply	

Click on the 'Delete' button.



Note

Once all CE targets are configured, click on the Apply button before configuring another target type.

'An XT on another network' Configuration

This tab must be used to define and configure the XT targets. With the new gigabit feature of the server, it is now possible to send clip to another server through a TCP/IP Network.

	Imp
\	Thio

mportant

This feature is only available on a server upgraded with a GBX module on the HCTX card. The XTAccess/XSquare software must be installed on a network computer. Please contact EVS for more information.



VorkGroup 'global' General Parameters												
of Association	Service officer	anovide (PB) case	raugik 🙀 ok	ine i	Bassisteration	l argets	d'uner in	and damp sound	la agenta	an and an inter	upproprie [4
				T								
				Tar	gets Contig	gurati	on					
rgets												
				Part		Port			Deet	Metadata	Koon	—
0. ved	Name	XML Unit	IP Address 1	1	IP Address 2	2	Login	Password	Page	referencing path	IDs	
	Server on XNET2	2 XML Unit 1 🚽 🔻	192.168.1.11	21	192.168.2.11	21	evs	evs!	9	\\DB6450		
0												
-1												
$\mathcal{M}_{\mathbb{C}}$												
1												
/e												
ups:												
ets												
1 1							N. L					
•				l Nev			Delete					
				1469								
				1460								_

Clips can be transferred from an SDTI network to another one using a TCP/IP Network, even if this second SDTI network is not connected to IP-Director.

Sending a clip through a server target will initialize XTAccess/XSquare which manages the clip copy between the two servers.

IP-Director sends a XML file to the shared folder scanned by XTAccess/XSquare (a previously defined XML Unit). This XML file contains source and target information. XTAccess/XSquare executes the job.

Please refer to the XTAccess/XSquare and Multicam Manuals for more information.



Create a new XT (server) target

Click on the 'New' button to add a new server target. A line is added in the list.

Edit WorkGroup 'global' General Parameters													
T therease of the	ecoles.	Sector M	and with TP, canon	weit 💰 ou	100	- Republicate	argets	Filoperites	e Obserigent	la rajerira	n infanitan	geloot ())	• •
					Targ	gets Config	uratio	n					
Show All Targets													
Send A/V to:		Name	XML Unit	IP Address 1	Port 1	IP Address 2	Port 2	Login	Password	Dest. Page	Metadata referencing path	Keep IDs	Pu
Drive	•		Default XM 🔻										Pu
Avid													
Final Cut Pro													
Clean Edit													
An XT on another network													
Reference A/V: XML File on													
Shared Drive													
Target groups: Group of targets													
	•					m							F.
					Nev	,		Delete					
					Save	Can	cel	Apply	,				

Name:

Click in the 'Name' column and give a name to the server target. This name will appear in the IP-Director 'Send To' menu.

XML Unit:

Specify the XTAccess/XSquare XML unit which will be used to perform the job.

IPAddress1:

Enter the IP address of the first destination server Gigabit port.

Port 1:

Enter the FTP port number corresponding to the first server gigabit port. Default: 21

IPAddress 2:

Enter the IP address of the second destination server Gigabit port.

Port 2:

Enter the FTP port number corresponding to the second server gigabit port. Default: 21

Login:

Enter the login username of the FTP server. Default: evs

Password:

Enter the login password of the FTP server. Default: evs!



Note

The H3X (or HCTX) Gigabit connection settings are set inside the Multicam Setup Configuration (SHIFT+F2, Tab 3 Network).

Please refer to the Server Software Technical reference manual.

Dest Page:

Specify a destination page on the target server to receive exported clips.

Value: 0-9

Metadata Referencing path:

Specify the target folder which receives the Metadata Referencing files.

This feature is typically used to send IP-Director metadata from a network to another one.

If the XT (server) target is used to transfer clips from an SDTI network to another one using a TCP/IP Network and if the both network are connected on two different IP-Director workgroup, then the clip metadata has to be exported to the IP-Director target workgroup. This workgroup will ingest the clip metadata and associate it with the transferred file.





A dedicated job must be added within the IP-Scheduler on the target workgroup.

Please refer to the IP-Scheduler Chapter for details.

Keep ID's:

If the box is checked, the clip is transferred with the same UmID and VarID on the distant server.

Publish:

If this XT (server) target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Selected groups
Group 1
Clear selection

Delete an XT (server) target.

Click on the line header to select it.

lit WorkGroup 'glo	WorkGroup 'global' General Parameters												
energi (E. Ane	tadio]	Saussa Julio	an state and	animatik 📉 otta	100	- Hannistandin	argets	ELOPE	ne (Henrissel)	to species	e l'adresite	n san n	4
Targets Configuration													
All Targets													
N to:		Name	XML Unit	IP Address 1	Port 1	IP Address 2	Port 2	Login	Password	Dest. Page	Metadata referencing path	K	eep F
hared 9	Þ	Server on XNET	ZXML Unit 1	▼ 192.168.1.11	21	192.168.2.11	21	evs	evs!	9	\\DB6450		- F
ut Pro Edit Ton network ace A/V: File on d Drive													
ioups: argets	•					m							4
					Nev	v		Delete					
					Save	Can	cel	App	yl				

Click on the 'Delete' button.



Note

Once all XT (server) targets are configured, click on the Apply button before configuring another target type.

'XML File on Shared Drive' Configuration

This tab must be used to define and configure the different 'XML File on Shared Drive' target(s) available on the network where XML files are to be sent from the IP-Director interface using the 'Send To' option.

	XML File on	
Push the	Shared Drive	button in the left menu:

Edit WorkGroup 'glo	bal' Ge	neral Parameters				—
Transmis in the	econde la l	Sansing 198 and 1998	de isa 🔬 tasata	Targets	the second second	
			Targets C	onfiguration		
Show All Targets						
		Name		VMI Classed		Dublin
Send A/V to:		CE Direct Access	 	XVXSTORE64580\Reference	/	Publish
File On Shared		CE Direct Access		101010000000000000000000000000000000000		
Avid						
Final Cut Pro						
Clean Edit						
An XT on						
another network						
						
Keterence A/V:						
Shared Drive						
l arget groups:						
Group of targets						
			New	Delete		
			Save	Cancel App	ly	

This kind of target is mainly used to send clip information on a system which is able to grab the clip by itself from the Server Network (XNet) or through the Server Gigabit Network.

The main EVS use is the CleanEdit Direct Access feature.

To operate Clean Edit with the Direct Access feature, create an 'XML File on Shared Drive' pointing on a network shared folder. The Clean Edit Auto File Importer must scan the same shared folder.

Please refer to the Clean Edit User Manual for more information.

Create a new XML File target

Click on the 'New' button to add a new target. A line is added in the unit list.

Edit WorkGroup 'glo	Iobal' General Parameters	
2 narozanie of the		Targets
	Targets Cor	nfiguration
Show All Targets		
Send A/V to:	Name S	ML file path
File On Shared Drive		
Avid		
Clean Edit		
An XT on another network		
Reference A/V: XML File on Shared Drive		
Target groups:		
Group of targets		
	New	Delste
	Save	Cancel Apply

Name:

Give a name to the target. This name will appear in the IP-Director 'Send To' menu. It is used to identify the XML file target in the IP-Director interface.

XML file path:

Select in the list or browse the network to define the folder where the XML files are sent. This folder should be a UNC path to the network locations where the folder exists.



Note

Be sure this folder is shared with full access rights.



Note

Only UNC DNS name or IP address path are valid. (Ex: \\XFile53210\XML_Files\, \\1.1.1.100\XML_Files\)

No local paths are valid.

A message appears if the selected path is not valid:



Publish:

If this XML File target must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

Group 2		Group 1
Group 3		
	>	
	F	
	<	

Delete an XML File target.

Click on the line header to select it.

Edit WorkGroup 'glo	obal' General Parameters		x
	ennen sandaa ofe alerone 🔍 sourelare 💥 de na 🔬	Targets	
	Targe	ts Configuration	
Show All Targets			
	Name	XML file path Publish	
Send A/V to:	CE Direct Access	VXST0RE64580\Reference\ ··· Publish	
Drive			
Avid			
Final Cut Pro			
Clean Edit			
An XI on			
another network			
XML File on			
Shared Drive			
Target groups:			
Group of targets			
	New	Delete	
			21
	Save	Cancel Apply	

Click on the 'Delete' button.



Note

Once all XML File targets are configured, click on the Apply button before configuring another target type.

'Group of Targets' Configuration

This tab must be used to define and configure the different 'Group of targets' available on the network where XML files are to be sent from the IP-Director interface using the 'Send To' option.

This king of target is a list of previously defined targets. It allows, in one operation, to send clips to several targets.

Group of targets Push the

button in the left menu:

Edit WorkGroup 'global' General Parameters						
Targets						
			Targets Contiguration			
Show All Targets						
		Name	Target list	Choose Publish		
Send A/V to:	•	Grouped Targets	CE;AVID WebService;FCP	Choose Publish		
File Un Shared Drive						
Avid						
Avid						
Final Cut Pro						
Clean Edit						
An XT on						
another network						
Reference AV:						
XML File on Shared Drive						
Shaled blive						
Target groups:						
Group of targets						
			New Delete			
			Save Cancel Apply			

This king of target is a list of previously defined targets. It allows, in one operation for the IP-Director operator, to send clips to several targets.



Target creations are required before configuring any Group of targets.

Create a new Group of targets

Click on the 'New' button to add a new group. A line is added in the unit list.

Edit WorkGroup 'global'	General Parameters		×
Therease of Assessed		Targets - Targets - Targets	an son dan angen and son dan dan angen and san an
		Targets Configuration	
Show All Targets			
o	Name	Target list	Choose Publish
Send A/V to:			Choose Publish
File Un Shared Drive			
Avid			
Final Cut Pro			
Hinarcuchio			
Clean Edit			
An XT on			
Reference AN/			
XML File on			
Shared Drive			
Target groups:			
Group of targets			
		New Delete	
		Cauca Caucad Apple	
		Save Cancel Apply	

Name:

Give a name to the group of targets. This name will appear in the IP-Director 'Send To' menu. It is used to identify the target in the IP-Director interface.

Target list:

This field displays a summary of the chosen targets, it can't be edited.

Select the targets using the Choose button.

Choose:

Pressing the Choose button opens a pop-up v	window:
---	---------

Targ	et choice		×
	Туре	Name	
	File	External Backup	
	File	ihgh	
	CE	CE	
	Avid	AVID StandAlone	
	Avid	AVID TM	
	Avid	AVID WebService	
	FCP	FCP	
	×т	Server on XNET2	
	XML ref file	CE Direct Access	
		Save Cance	ł

Simply check boxes in front of each wanted target and press Save.

Publish:

If this Group of targets must be visible to other groups, click on the Publish button and a new window pops up to allow you to publish to different groups. Select group(s) in the left side and click the arrow '>' to push group(s) to the right side. Finally, click on Publish.

	Selected groups
	Group 1
>	
<	
	Clear selection
	>

Delete a Group of targets.

Click on the line header to select it.

Edit WorkGroup 'glo	bal' General Parameters		—
The summer of the		Targets	
		Targets Configuration	
Show All Targets			
Fond AA/to:	Name	Target list	Choose Publish
File On Shared	Grouped Targets	CE;AVID WebService;FCP	Choose Publish
Drive			
Avid			
Final Cut Pro			
Clean Edit			
An×T on			
another network			
Reference AV:			
XML File on Shared Drive			
Target groups:			
Group of targets			
		New Delete	
		Save Cancel Apply	

Click on the 'Delete' button.



Note

Once all targets and groups are configured, click on the Apply button in order to validate all the created targets.

If you press the 'Show All Targets' button, a target summary is displayed.

3.10.10 IP Logger Export Configuration

This tab should be used to define and configure the Log Export directories available on the network where logs, logsheets and modifications are sent as XML files.

Select the IP Logger Export tab.

Edit WorkGroup 'glo	bal' General Parameters			×
T cannade of the	nadia (second (Al-endricité (PE) (second	IP Logger Ex	port	Ran - Banagagarana
		Automatic IP Logger Export Directorie	es	
	Automatically export all logsheet to 3rd parts	y directories		
	Name	Directory path	T/C Offset	Version
	▶ Logs> External IPD Setup	\\DB64500\ThirdParty\EVS_T0_DB\EVS_T0_T	0D0\ ··· +00:00:00:00	Current 💌
		New Delete		
		Save Cancel Ap	ply	

Automatically export all logsheets to 3rd party directories:

Export all logging operations done on every new log sheet that will be created in the IP-Director workgroup.

Automatically export all logsheet to 3rd party directories

If this option is disabled and the **Export Destination Directory** is defined, the IP-Director operator manually decides which logsheet will be exported. During the logsheet creation, this option is available inside the Step1 of its properties. Once the creation is completed, the option cannot be changed.

Please refer to the Logsheet Creation chapter in the IP-Director user's manual.



Please contact EVS staff for additional information about third Party features.

Create a new IP Logger Export directory

Click on the 'New' button to add a new directory. A line is added in the list.

Edit WorkGroup 'glol	bal' General Parameters			
I manual or that	nosin barries (H are vite)	Physics and the second second second Physics	gger Export	
		Automatic IP Logger Export Direc	ctories	
	Automatically export all logsheet	to 3rd party directories		
	Name	Directory path	T/C Offset	Version
	•		+00:00:00:00	Current 💌
		New Delete		
		Save Cancel	Apply	

Name:

Click in the 'Name' column and give a name to the IP Logger Export Directory.

Directory path:

Select in the list or browse the network to define the folder where logging XML files are sent to Third Party systems or to other IP-Director workgroups.



Only UNC DNS name or IP address path are valid. (Ex: \\ThirdParty\LOGfromEVS\, \\1.1.1.100\LOGfromEVS\)

No local paths are valid.

Note

The directories must be shared with full access control.

T/C Offset:

Enter a valid Timecode value. All logs exported in the specific directory will be updated with the new offset Timecode.

The aim of this parameter is to allow exporting logs on an external setup which is located on a different time zone.

Default value: +00:00:00:00 (Original log Timecode is kept)



Version:

Select the export version between "Current" and "Legacy".

Since IP-Director V5&6, the logging XML format has changed. This new 'standard' is the **Current** one. The old 'standard' is the **Legacy** one

If it's planned to export log with an IP-Director V4 destination setup, it is mandatory to select "Legacy".

For an IP-Director V5 destination setup, it is strongly recommended to select "Current".

The "Current" version of logging xml files contains XML version tags:



Delete An IP Logger Export directory.

Click on the line header to select it.

Edit WorkGroup 'glo	bal' General Parameters			×		
Transmiss of the	moules concerne alle autorities (PP, con	IP Logge	er Export	the descention of the		
	Automatic IP Logger Export Directories					
	Automatically export all logsheet to 3rd p	arty directories				
	Name	Directory path	T/C Offset	Version		
	Logs> External IPD Setup	\\DB64500\ThirdParty\EVS_T0_DB\EVS_T	D_TODO\	Current 💌		
		New				
		Save Cancel	Apply			

Click on the 'Delete' button.



Note

Once all directories are configured, click on the Apply button before configuring another tab.

3.10.11 Near Line Management Configuration

This tab should be used to define and configure the Near Line directories available on the network where clips will be managed by IP-Director.

Select the Near Line Management tab.

Edit WorkGroup 'global' General Parameters							
I noved of the	ecostic:	Service SH ad	inante (PR cassions) 💥 me ina 🏠 ta	untitude (Sanathi (Filoagan Sanati	Near Line Management		
Nacr Lina Directories							
			Near Li	ine Directories			
	Add	the directories that yo	u want to manage				
		Name	Destination Path	Default HiRes XML Unit	Default Storage Authentication Method		
		Maarina	Weterse 4500\vieleno\	File Format	with the system		
	-	Nealine	10/3008043001700001		▼ MS ▼ Integrated ▼		
	•		m		Þ		
			New	Delete			
			Save	Cancel Apply]		

The aim of the Near Line management is to scan directories where clips are stored outside the server and waiting for an eventual restore. The clips are stored on a storage system which is referred to as a Nearline Directory.



Create a new Near Line Directory

Edit Work-Group 'global' General Parameters											
	Near Line Directories										
	Add the directories that you want to manage										
		Name	Destination Path		Default HiRe File Format	es	XML Unit	Defaul	Storage system	Authentication M	lethod
	•					•	Default XML Unit 👻		MS 🔻	Integrated	•
	•		m	New		De	elete				4
				Save	Cancel		Apply				

Click on the 'New' button to add a new folder.

A new line is added in the directory list.

Name:

Click in the 'Name' column and give a name to the directory. This name will appear in the IP-Director 'Send To' menu. It is used to identify the Near Line directory in the IP-Director interface.

Destination Path:

Select in the list or browse the network to define the folder where the files are sent, scanned or restored from. This folder should be a UNC path to the network locations where the folder exists.



Note

Only UNC DNS name or IP address path are valid. (Ex: \\MachineName\Target\, \\1.1.1.100\Target\)

No local paths are valid.

Note

Be sure this folder is shared with full access rights.

Important

It is NOT advised to specify an XFile or IPDrive disk as a static Nearline Directory. This is because the management of removable disks is managed dynamically by the IP Drive service.

Default HiRes File Format:

Choose the MXF EVS, the OP1A MXF XDCAM, QuickTime Movie, Quicktime Reference, Avid MXF OPAtom, DV-DIFF or OP1A MXF SMPTE format. It defines the type of files which will be created by the XFile or XTAccess/Xsquare system.



Note

As the Near Line storage can be used as a target, it is mandatory to define a default file format for backup operations.

XML Unit:

Select the XML unit used to perform the backup and restore job (using the SDTI or the Gigabit network). Choose one specific unit in the list if the job must be performed by the XFile or an XTAccess/XSquare system where this XML unit is located (the XML unit is linked to the Near Line directory).

For example, if the Near Line directory is \\XSTORE64580\target, it should be interesting to link the XML unit to XSTORE64580 to be sure this XStore perform the clip backup. This will avoid network transfer between XFile and XStore on the IP network.

Default:

If the directory is to be defined as the default directory for all workstations, check the box in the default column of the unit.

This directory will be displayed on the top of the list in the IP-Director 'Send To' menu. It will also be the default Near Line directory for drag-n-dropping clips on the new 'File' tree available the IP-Director database explorer. Please refer to the IP-Director User Manual for details.

Storage system:

Define the family of the Near Line storage operating system:

- MS Windows for all OS Windows based. An auto-notification of files is received on this kind of storage.
- Others for all other OS (Linux, UNIX...). Manual refresh needed for incoming files and notification only available for transfer.

Note

The auto-notification is not supported with OS non-Windows based.

The EVS SAN storages are considered as "Others" Storage system if they were not produced or updated with a SAMBA OS version 3.0.33 (or higher). Please contact EVS Staff for further information.

Authentication Method:

This the method used by the SynchroDB to scan and receive notification from the Near Line Storage.

- Integrated: The IPD and Near Line network is built with a common user (administrator) on every workstations and storages.
- User/Pwd: The Nearline storages have a different user and password than the IPD Network. SynchroDB services should be identified on the storage system with this user and password.



The EVS IP-Director workstations are all provided with a common Windows user called DVB (without password and member of the administrator's group). It highly simplifies the network sharing. Thus, if the Near Line directory is located on EVS storage (X-Store, XFile, IP-Drive...), the Authentication Method should be set to "Integrated".

Username:

Specify the username for the authentication method User/Pwd. If the authentication method is set to "Integrated", the username is not taken into account.

Password:

Specify the password for the authentication method User/Pwd. If the authentication method is set to "Integrated", the password is not taken into account.

Master:

This option generates and updates XML Metadata files on the nearline:

- o If checked, the metadata of clips are updated on the nearline.
- If unchecked, the metadata of clips are modified in the IP-Director database only.



Note

Typically, if two IP-Director workgroups manage the same nearline, one should be 'Master' and the other not, avoiding update conflicts.

Playlist Backup Type:

Define the type of the backup for the playlist and timeline.

- EDL and Clips: XTAccess/XSquare transfers all the clips and creates an 0 EVS EDL file which references all playlist and timeline elements.
- o EDL and flatten files: XTAccess/XSquare creates an EVS EDL file which references all playlist and timeline elements and concatenates them in a single media file on the Nearline storage.
- EDL only: IP-Director creates an EVS EDL file which references all playlist 0 and timeline elements.
- Flatten file only: XTAccess/XSquare concatenates the playlist or the 0 timeline in a single media file on the Nearline storage.

Access Rights:

Once group and user rights are defined inside the User Manager application, the directory access rights can be defined.

Press the white button to open the rights configuration:

ar line directory access rights		
Groups		
Group Name	Read	Write
Stand-Alone Users	V	V
Group 1	V	V
Group 2	V	
Group 3	V	

Check all wanted Read or Write boxes for each group.

Read:

Checking a 'Read' box gives access to the visibility of the directory inside IP-Director (Restoring clips is allowed).

• Write:

Checking a 'Write' box allows backup of clips from a server to a Near Line directory (Reading is automatically allowed).



Note

Administrator accounts can Read and Write in all directories even if the rights are not configured.

• Clear Selection:

Push the button to clear all checked boxes.

Press **Save** to record rights and close the window or **Cancel** to forbid the modifications.

Cluster:

Note

The Nearline Cluster configuration is designed for Storage Area Network (SAN).

The configuration requires information provided by EVS Staff related to each specific project.

By default, keep this configuration window empty.

Press the white button to open the cluster configuration:

🖳 Nearline Cluster 📃 💌
SAN Nearline postfix : -NL
Please enter here every IP address of servers that compose the cluster, included the one defined in the previous window.
IP Address
192.168.0.101
192.168.0.102
192.168.0.103
192.168.0.104
+ · Save Cancel

• San Nearline Postfix:

Enter the postfix (for e.g. -NL) added to the nearline shared path name.

A hidden shared path is created on the SAN server in order to disable the cache on client workstations which browse growing files. It avoids browsing problems in the software player with this kind of files.

Thus normal shared path (\\Sanserver\Sharedpath) is used for standard browsing and the hidden shared path (\\Sanserver\Sharedpath-NL) for growing file browsing.

• IP Address:

List all the server physical IP addresses (members of the SAN Cluster) in order to receive all file notifications.

Once a SAN is built with several servers, a virtual shared path is configured and gives a single common access to the storage. This virtual path is thus entered in the Destination Path field.

The notifications described previously in the **Storage System** section are only received from one member of the cluster if the all IP addresses are not listed.

Enter the first server IP address in the default field.

Press 🕒 to add a new line and enter the second server IP address.

Repeat the steps till all IP addresses are entered.

Select a line and press it to delete it.

Finally, press Save to record the Cluster configuration.

Delete a Near Line Directory.

Click on the line header to select it.

Near Line Management Near Line Directories rectories that you want to manage ame Destination Path Default HiPles XML Unit Default String VVXstore64580/vil608\ ···· EVS MxF ··· XML Unit 1 ··· V MS ···· ·· Integrater
Near Line Directories rectories that you want to manage ame Destination Path Default HiPles XML Unit Billing VVXstore64580/vil608\ With the provided of the
Near Line Directories rectories that you want to manage ame Destination Path Default HiPes File Format XML Unit Default Storage system Authenti stime \V\tstore64580\vdb08\ ··· EVS MXF · XML Unit 1 · V V MS · Integrater
rectories that you want to manage ame Destination Path Default HiPles XML Unit Default Storage Authenti Stime VV&store64580/vib08\ ··· EVS.MXF ▼ XML Unit 1 ▼ V MS ▼ Integrated
rectories that you want to manage ame Destination Path Default HiPles XML Unit Default Storage Authenti Stime VV <store64580 td="" vi<="" vib00=""></store64580>
ame Destination Path Default HiRes XML Unit Default Storage Authenti system VV:store64580\vnl608\ ··· EVS MXF V XML Unit 1 V V MS V Integrate
ame Destination Path Default HRes XML Unit Default Storage system Authentities (W2store645800vil608) EVS MXF • XML Unit 1 • 7 MS • Integrated
anno Dournation of File Format Trans. On the Source System Transition antime \\Xxtore64590\vil608\
III New Delete
III New Delete Save Cancel Apply

Click on the 'Delete' button.



Note

Once all Near Line directories are configured, click on the Apply button before configuring another tab.

3.10.12 Lo-Res Management Configuration

This tab should be used to define and configure the association between HiRes and LoRes channels available on the SDTI Network.

Select the LoRes Management tab.

Edit Work Group 'global' General Parameters						
The case of the second	den constant Add and 100	e (PE) conversion 🔊 🐜 war in	uto 🙆 Hamatekorate - ranapier -	El compete (Santo El Hana) considera	Lo-Res Management	
		Co	nfigure I o-Res mai	nagement		
				-general		
	Hi - Lo associations			LoRes channels	:	
	Channel name	HiRes	LoRes	=	AUX SRC	
	22_XT[2] 2_REC1	22_XT[2] 2_REC1			05_AUX SRC_REC1	
	22_XT[2] 2_REC2	22_XT[2] 2_REC2			05_AUX SRC_REC2	
	22_XT[2] 2_REC3	22_XT[2] 2_REC3				
	22_XT[2] 2_REC4	22_XT[2] 2_REC4				
Reset to default Becorder &						
Player]
						_
		S	ave Cancel	Apply		

Hi - Lo associations:

Depending on the previously configured logical networks, the table lists all HiRes recorder available on the physical network.

LoRes channels:

Depending on the previously configured logical networks, the table lists all LoRes recorder available on the physical network.

Please refer to the XT Networks configuration chapter for details.

Defining the XT Networks is mandatory to configure the LoRes Management.

Note

All services must be stopped in order to configure the LoRes Management.

How to associate a LoRes channel to a HiRes channel?

Drag LoRes channels from the list and drop them in the table to create the associations:

Hi - Lo associations		LoRes channels	
Channel name	HiRes	LoRes	B- 05_AUX SBC
01_XT[2] 1_REC1	01_XT[2] 1_REC1	05_AUX SRC_REC1	US_AUX SRC_REC2
01_XT[2] 1_REC2	01_XT[2] 1_REC2		
01_XT[2] 1_REC3	01_XT[2] 1_REC3		
01_XT[2] 1_REC4	01_XT[2] 1_REC4		

How to modify the LoRes channel associated to the HiRes channel?

Drag the LoRes channel from the LoRes column and drop them to its new place to modify the association:

Hi - Lo associations							
Channel name	HiRes	LoRes					
01_XT[2] 1_REC1	01_XT[2] 1_REC1	05 AUX SBC REC1					
01_XT[2] 1_REC2	01_XT[2] 1_REC2	05_AUX SRC_REC2					
01_XT[2] 1_REC3	01_XT[2] 1_REC3						
01_XT[2] 1_REC4	01_XT[2] 1_REC4						

How to dissociate a LoRes channel and a HiRes channel?

Select the LoRes channel in the LoRes column and press the **DELETE** key to send it back to LoRes channels list:

Hi - Lo associations		LoRes channels	
Channel name	HiRes	LoRes	E- 05_AUX SRC
01_XT[2] 1_REC1	01_XT[2] 1_REC1	05_AUX SRC_REC1	
01_XT[2] 1_REC2	01_XT[2] 1_REC2		
01_XT[2] 1_REC3	01_XT[2] 1_REC3		
01_XT[2] 1_REC4	01_XT[2] 1_REC4		

How to reset all the associations between HiRes and LoRes channels?

Depart to default
Recorder &
Player

Press the "Reset to default Recorders & Players" button.

This button is not displayed when services are running.

This warning window pops up:

Error		_	×
<u>^</u>	Are you sure you want to res: All changes this screen will b This action is not reversible!	et Player_Sou e lost.	irce to default?
		Yes	No

All LoRes channels are removed from the LoRes column. All server channels are removed from their logical networks and this action is not reversible even if Cancel is pressed!

3.10.13 Define VarID Groups Configuration

This tab should be used to organize the EVS servers into different varID groups. These groups delimit the server zone where a duplicated clip can be found in order to find a best element for a playlist.

An engine is running as a background task and is always optimizing playlists in order to play a maximum of local online elements. It also discovers restored clip and replaces virtual playlist elements matching by the varID. Thus, it could be necessary to define server groups to delimit the engine search.

Edit WorkGroup 'global' General Parameters		×
💩 Restinute 🗄 Salaris 🗍 Riccoper Galeri 🗍 Massicine Management 🗍 Lifter Managem	Define varID groups	4 >
L	Define varID groups	
Organize the servers into varID groups.	Machines not attributed to a network	
When a clip is restored, the system will automatically associate the clip to all virtual elements in playlists located on the servers of the same group. Other servers in other groups will not be impacted. If you do not use (define) varID for your clips, playlists or timelines, do not define any group. Use "Add Group" to add a group Right Click on a group to - rename a group - remove a group When associating clips to playlist elements, give	T[2] 2	
nriority to varID		
O priority to element ID		
	Add Group	
Sa	Cancel Apply	

Select the Define varID groups tab.

When associating clips to playlist elements, give:

· Priority to varID

The engine replaces distant clips in playlists by local clips regarding the varID inside one of the defined groups.

• Priority to element ID

The engine gives priority to the element ID within playlists when replacing virtual element by a clip. VarID is no lore used.

This mode is the default behaviour.

Define varID groups

This zone is used for create and manage varID groups.

By default, the logical networks (defined in the **XT Networks** tab) are listed in the 'server not attributed to any group' branch. All servers are thus considered belonging to the same varID group.

How to create a new var ID group?

Add Group Press the Add Group button.

This window pops up:

Add New Group		×
Group1		
aloopt		
	01.	Canad
	UK	Lancel

Enter the group name and press Ok.

How to insert a server in a varID group?

Open the logical network branches to display servers. Select the server and drag & drop it on the varID group name.



Once all servers are attributed to groups, the 'server not attributed to any group' branch is no more displayed.

How to remove a server from a varID group?

Right click on the server name and select 'Remove XT from group'.



The server is brought back to its original position in the 'server not attributed to any group' branch.

How to rename or remove a group?

Right click the group name and select 'Rename group', a window pops up.

Edit the name and press ok.

E Group1	Rename group
·	Remove Group

Right click the group name and select 'Remove group'. The group is no more displayed and all servers are brought back to their original places.

3.10.14 As Will Run Log Configuration

This tab should be used to configure the As Will Run Log feature. The process, once activated per player channel, generates text file(s) containing elements that are about to be played.

Select the "As will run log" tab.

Edit WorkGroup 'global' General Parameters				
Annihisalit "ta	As will run log			
As will run log configuration				
	Select the XTs for which to active the generation of the file describing playlist elements to come. One file will be generated per play channel. The file lists the on air element and then those elements that are about to be played.			
	Maximum number of elements listed in each file : 250 🚋 File refresh interval (in seconds) 15 🚋			
	Root folder for all files. Each activated XT will have a subfolder \\DB64500\AWRLog\ Browse			
	Play Channel Click to active as will run log			
	en utato, aue			
	Save Cancel Apply			

Maximum number of elements listed in each file:

Define the maximum number of future elements that will be played on each PGM. This limitation avoids filling files with an infinite number of lines due to a playlist containing an infinite loop.

Once an element is finished, it is removed from the list. The list only displays the future, not the present and the past.

Default: 250 (lines)

File refresh interval:

Adjust the interval time (in seconds) between two updates of files.

Default: 15 (seconds)
Root folder for all files:

Define here the folder on the network where files are created and updated or click

on the browse button is to select the folder. This folder should be a UNC path to the network locations where the folder exists.

	Note
-	

Be sure this folder is shared with full access rights.

Note

Only UNC DNS name or IP address path are valid. No local paths are valid.

A message appears if the selected path is not valid:



A subfolder is created per server:

XXXXX (XXXX=Server Serial Number)

A file is created for each monitored PGM within the subfolder of its server.

XXXXX_PGMY.TXT (XXXXX=Server Serial Number and Y=PGM Number)

Selection of PGM monitored by the As Will Run Log:

Check PGM boxes to activate the process.

	Play Channel	Click to active as will run log
•	22_XT[2] 2_PGM1	
	22_XT[2] 2_PGM2	



Note

Once the As Will Run Log settings are configured, click on the Apply button before configuring another tab.

3.10.15 Playlist Configuration

This tab has two separate zones which impacts different settings. The first zone is dedicated to an ABRoll Recue mode and the second one defines 6 custom fields for third party usage in a Playlist.

ABRoll Recu	ie mode
🗖 Automati	cally recue elements when a modification is done in the rundown
	ed, when a modification is done in the rundown in between the elements CUED, the system will automatically late the channel assigned to the next elements in the rundown and RECUE them in order to keep /out order in sync with the rundown.
lf not ch	ecket, any modification in the rundown will have no impact on the CUED lines.
Playlist custo	om fields
Define the h	eader of the plavlist element metadata
These head Header 1	er will be common to all playlist interfaces of all IP Director workstations. CustomField1
Header 1 Header 2	er will be common to all playlist interfaces of all IP Director workstations. CustomField1 CustomField2
Header 1 Header 2 Header 3	er will be common to all playlist interfaces of all IP Director workstations. CustomField1 CustomField2 CustomField3
Header 1 Header 2 Header 3 Header 4	er will be common to all playlist interfaces of all IP Director workstations. CustomField1 CustomField2 CustomField3 CustomField4
Header 1 Header 2 Header 3 Header 4 Header 5	er will be common to all playlist interfaces of all IP Director workstations. CustomField1 CustomField2 CustomField3 CustomField4 CustomField5
Header 1 Header 2 Header 3 Header 4 Header 5 Header 6	er will be common to all playlist interfaces of all IP Director workstations. CustomField1 CustomField2 CustomField3 CustomField4 CustomField5 CustomField6

ABRoll Recue mode:

This option allows cuing automatically an ABRoll element inserted by a NRCS system between two elements which are already cued.

• Default behaviour:

CUED	Element 1	A	*		Element 1	A
CUED	Element 2	B			Element 4	в
CUED	Element 3			CUED	Element 2	C
0020		–		CUED	Element 3	A

• Behaviour when the option "Automatically recue elements when a modification is done in the rundown" is checked:

Element 1	A	 CUED	Element 1	A
Element 2	В	CUED	Element 4	B
Element 3	С	CUED	Element 2	C
			Element 3	А

Playlist custom fields:

These settings are designed for **a third party usage** of the playlist metadata. The external Media Asset Management systems (MAM) import playlist in the IP-Director database using the EVS-to-DB job (IP-Scheduler) or the Webservices (IP-API). In these imports mode only, playlists can receive 6 custom fields. This tab allows defining the 6 headers of the playlist element metadata.



Note

The playlist custom fields can't be edited or created within the main interface of IP-Director. It is limited to a third party usage only!

Note

Once the Playlist settings are configured, click on the Apply button before configuring another tab.

3.10.16 Redundancy Configuration

This tab should be used to configure the redundancy between two EWP servers.

On 6 channel server only, IpEdit can operate an Edit While Playout mode. Basically, PGM1&2 are used for playing the timeline live and the PGM3&4 for editing. The REC1&2 (or just REC1) are used to ingest feeds and clips.

The redundancy engine reproduces timelines, clip creations and all edits made on the Master server to the Slave server. The recording feeds REC 1&2 should be the same on both servers (Master & Slave).



Note

All services must be started in order to configure the Redundancy.

Edit - Edit To Air - Master/Slave Redundancy efine master and slave servers. efine recorders that receive same feed. Master Server Rec1 Rec2 XT 1.1 NONE Image: Comparison of the server					Redu	Indancy
Edit - Edit To Air - Master/Slave Redundancy efine master and slave servers. efine recorders that receive same feed. Master Server Slave Server XT 1.1 NONE XT 1.2 XT 3.1 XT 1.4 XT 1.1 XT1.6 NONE XT 3.1 NONE						
ethe master and slave servers. efine recorders that receive same feed. Master Server Rec1 XT 1.1 NONE XT12 XT 3.1 XT14 XT 1.1 XT1.5 NONE XT2.3 NONE XT3.1 NONE XT3.1 NONE XT3.1 NONE XT3.1 NONE	o Edit - E	Edit To Air - Master/Slav	e Redundancy			
Master Server Slave Server Rec1 Rec2 XT 1.1 NONE • • • XT12 XT 3.1 • • • • XT14 XT 1.1 • • • • • XT15 NONE • • • • • • XT2.3 NONE • • • • • • XT3.1 NONE • • • • • • XT3.1 NONE • • • • • •	Define m Define re	naster and slave servers ecorders that receive sa	me feed.			
XT1.1 NONE Image: Constraint of the second		Master Server	Slave Server		Rec1	Rec2
XT12 XT 3.1 Image: Constraint of the second		XT 1.1	NONE	-		
XT1.4 XT 1.1 Image: Constraint of the second secon		XT1.2	XT 3.1	•		
XT1.6 NONE Image: Constraint of the state of the stat	•	XT1.4	XT 1.1	•		
XT2.3 NONE Image: Constraint of the state of the sta		XT1.6	NONE	-		
XT 3.1 NONE Image: Comparison of the state of the st		XT2.3	NONE	-		
XT3.2 NONE 🔽 🔲		XT 3.1	NONE	-		
		XT3.2	NONE	-		
		XT3.2	NONE	-		

Ip Edit – Edit To Air – Master/Slave Redundancy

Master Server:

This list shows all 6 channels servers (not XS or XT 4 channels).

All lines are available except the ones that contain server used as slave in another line. In this case, the line is greyed out.

• Slave Server:

Select in the drop down menu the desired Slave server for redundancy.

All 6 channels servers are listed except the ones already assigned slave in other lines.

• Rec1&2:

Define if recorders 1&2 of the server (Cam A&B) must be synchronized in term of clip re-creation.

Once a recorder is defined, the two servers used for redundancy should receive the same feed for this channel.

How to assign a slave server to a master server?

Choose the line with the desired Master server, and assign it its slave companion. Select then the recorder channels which receive the same feed on both servers.

	Master Server	Slave Server		Rec1	Rec2
•	AUXSRC 5	NONE	*		
	XT 1.4	NONE VT 1 4		~	
	XT 2.1	XT 2.2			
	XT 2.2	XT 2.1	*	~	~

Only non-paired servers are listed in the Slave server list.

Once a server is selected as a Slave one, its line is greyed out.

How to unassign a slave server from a master server?

Re-open the Slave server drop down list and select NONE.



Note

Once the Redundancy settings are configured, click on the Apply button before configuring another tab.

3.10.17 IP-API Configuration

This tab is used to configure the API Webservices and the Auto-Complete engine.

nineren grenner e	
	API Configuration
Ma	chine Configuration File Paremeters
Star	t in Start Auto-Complete Indexer
Glo	bal Configuration Paremeters
Proxy Abou	y Address <mark>1.1.180.30 Check</mark> at Valid address

Machine Configuration File Parameters

This setting is not configured from the IP-API tab.

The starting mode is different for every IP-Director or IP-API Proxy workstation and is set in the IP-API service configuration. Please refer to the **IP-API Service Management Chapter** for details.

Global Configuration Parameters

Enter the Proxy address and validate it by pressing the Check button.

By default, the database IP address is configured. It corresponds to 99% of cases since the proxy is usually installed on the database.

If the API-Proxy is installed on dedicated workstation, change the IP address.

This configuration is not taken into account if only one IP-API service is running in server mode without any proxy workstation.



Note

Once the IP-API settings are configured, click on the Apply button before configuring another tab.

3.10.18 Director's Cut Configuration

rkGroup	'global' General Parameters		
officials.	General Planger General Mean and	Director's C	ut
		Gateways	
Add	he gateways that you want to manage		
	Name	IP Address Port	1
Þ	Switcher Director/cut 1	192.168.0.200 50000	
		New Delete	
		Save Cancel Ánnlu	
		Save Cancel Apply	

This tab is used to configure the Director's Cut Gateway (DC-100).

The DC-100 is the hardware gateway between the switcher and the IP-Director.

It will offer a generic XML protocol that will allow the IP-Director to speak one language that virtualize any switcher protocol.

The DC-100 is connected to an IP-Director workstation through an Ethernet link.

\bigcirc			0
	0		
\bigcirc		RESETO COM2	0

Adding a new Gateway DC-100

Click on the 'New' button to add a new Gateway.

rkGroup 'g	global' General Parameters				
processes.	team Burgeritant Herriset	tengeriesi () julita (hangeriesi) () isi	ter off group lives	El an ring, 1 Fights 1 Fischersfein	Director's Cut
		Gatewa	ys		
_					
Add th	ne gateways that you want to manage				
	Name	IP Address	Port		
		New	Delete		
		INCOV	Delete		
		Caur	Causal	(Analy	
		Save	Lancel	Abbia	

Name:

Enter the name of the Gateway.

IP Address:

Enter the IP Address of the DC-100. This address is set on the LCD screen of the DC-100 and requires a restart of the unit.

Port:

Enter the port number of the DC-100.

The port number value can be found in the DC-100 configuration web page. Open a web browser (like Internet Explorer), enter the IP address of the DC-100. The DC-100 Home Page will be displayed:

₽ţ¢s				Model NO: DC-888 Sudheave Tex: 6.476.2 Social Ports: 4	Senal Labor OPL0	ND 40000 DC 300 PD 3132	Lossel
Protocol Assignment	GPI	GPO	Event Notification	Event Definitions	Action Definitions	Event Monitoring	System
IP Configuration IP Address Subert Mark Gateway	30.13.31.80 255.0.0.0 30.0.0.1						
C	efault Va	alue	50000.				



Note

Please refer to the DC-100 User Guide to configure the gateway unit.

Delete a gateway

Click on the line header to select it.

Edit WorkGroup 'global' General Parameters								
Con Hans	et alle	and Reader Constitution	agenesi (1998) Assessment (199	her self, geoge (1953	dina na Sami Sa	incinación (PR, 19-263)	Director's Cut	4 >
Gateways								
	Add th	e gateways that you want to manage						
		Name	IP Address	Port				
		Switcher Director'cut 1	192.168.0.200	50000				
			New	Delete				
			Save	Cancel	Apply			

Click on the 'Delete' button.



Note

Once the Director's Cut settings are configured, click on the Save button in order to validate the whole IP-Director configuration.

Corporate +32 4 361 7000

North & Latin America +1 973 575 7811

Asia & Pacific +852 2914 2501

Other regional offices www.evs.com/contact



EVS Headquarters Liège Science Park 16, rue Bois St Jean B-4102 Seraing

Belgium

EVS Broadcast Equipment is continuously adapting and improving its products in accordance with the ever changing requirements of the Broadcast Industry. The data contained herein is therefore subject to change without prior notice. Companies and product names are trademarks or registered trademarks of their respective companies.