



IP DIRECTOR APPLICATION NOTE

Monitoring

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INTRODUCTION

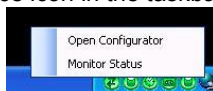
This document describes the IP Director 6.0 monitoring interface.

You will find the global description of every information provided by the monitoring interface

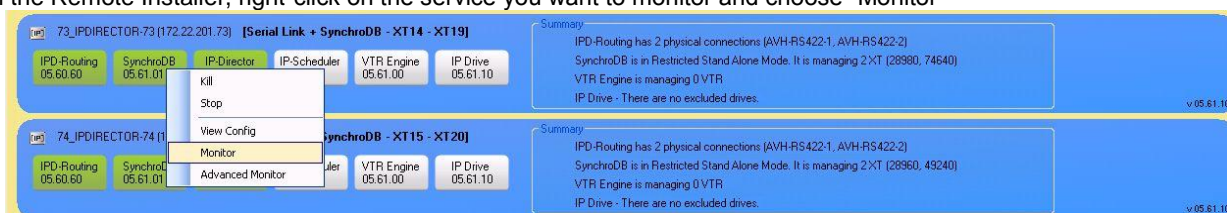
MONITOR STATUS START MONITOR

How to start the monitoring interface :

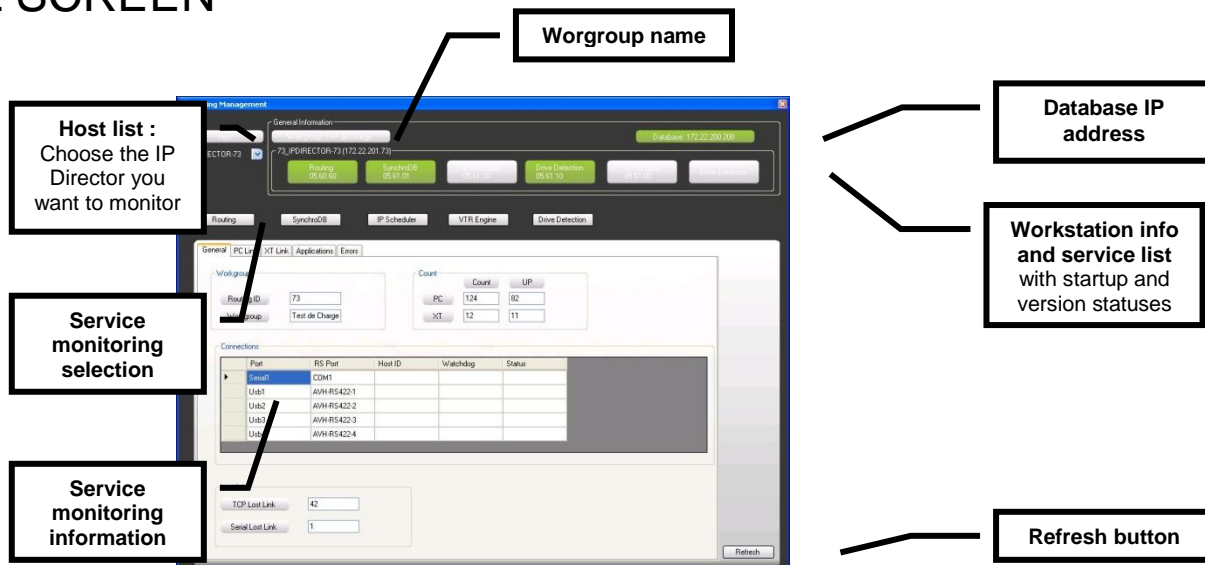
- > Right-click on the Remote Installer icon or a service icon in the taskbar and choose "Monitor Status"



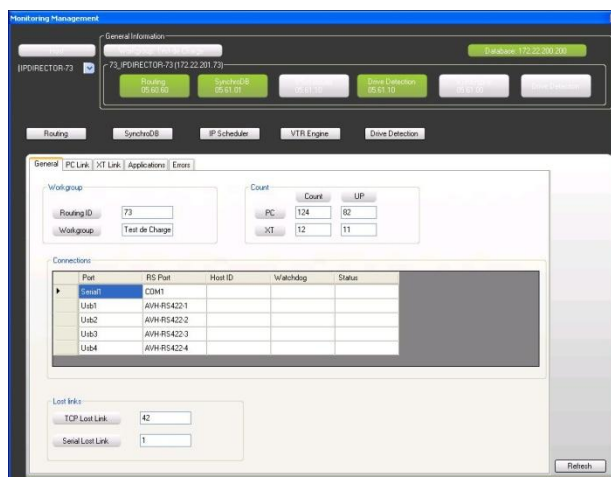
- > Open the Remote Installer, right-click on the service you want to monitor and choose "Monitor"



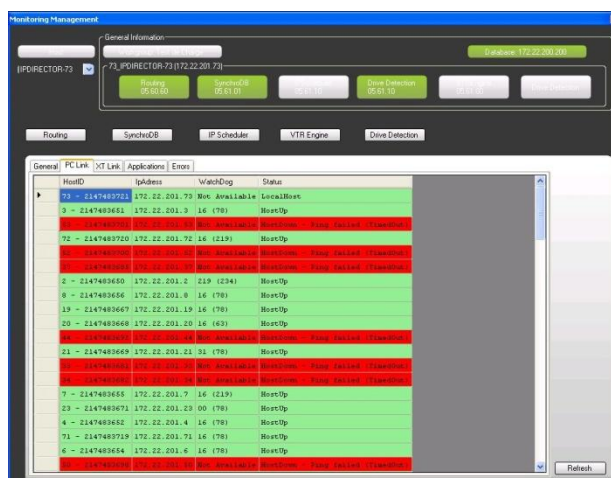
GLOBAL SCREEN



IP ROUTING

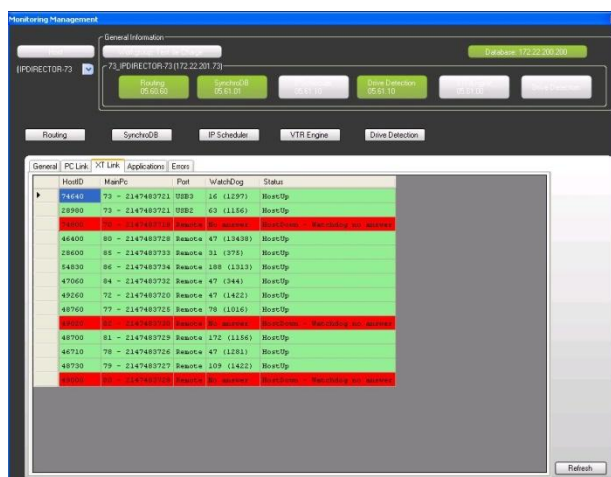


- > **General** : shows the main information of the IP Routing service
 - > **Workgroup**
 - **Routing ID** : ID of the workstation in the IP Director routing
 - **Workgroup** : Workgroup name the IP Director belongs to
 - > **Count**
 - **PC (count/up)** : Number of IPD routing seen since the service startup / currently seen
 - **XT (count/up)** : Number of XT seen since the service startup / currently seen
 - > **Connections**
 - **Port** : List of the physical local ports available on the IPD
 - **RS port** : Name of the port used in IPD
 - **Host ID** : Serial number of the XT seen behind the RS422 link
 - **Watchdog** : Application ping between the routing and the XT (*current (highest)*)
 - **Status** : Status of the XT connection (up or down ?)
 - > **Lost links**
 - **TCP lost link** : Number of link lost with other IPD routing
 - **Serial lost link** : Number of link lost with XTs locally connected

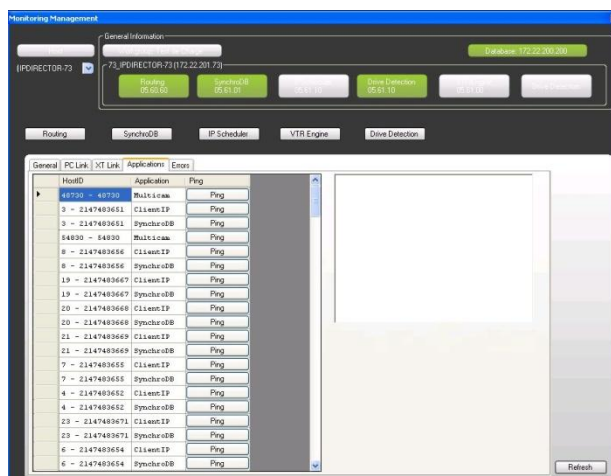


- > **PC Link** : List of the links with the other IP routing services in the workgroup

- > **HostID** : Routing ID of the IP routing service
- > **IpAddress** : IP-Director IP address
- > **WatchDog** : Application ping between the routing services (current (highest))
- > **Status** : IP routing connection status

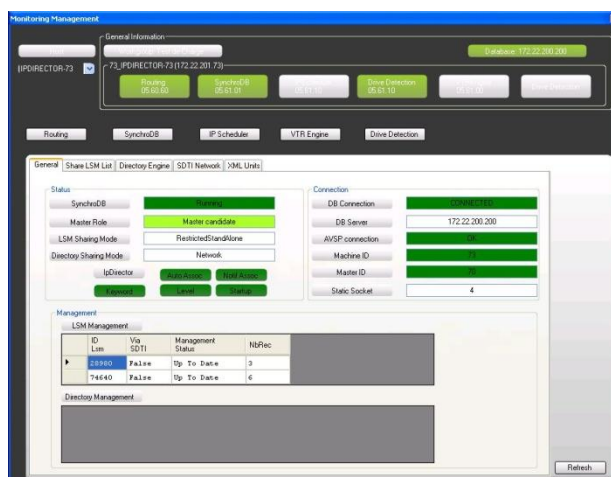


- > **XT Link** : List of the links with XTs (locally connected or remote)
 - > **HostID** : XT serial number
 - > **MainPC** : ID of the IP Director physically connected to the XT
 - > **Port** : local port used to connect the XT (remote if the XT is connected to another IPD)
 - > **WatchDog** : Application ping between the routing and the XT (current (highest))
 - > **Status** : XT RS422 connection status



- > **Applications** : List of the application having a connection on the IP routing
 - > **HostID** : Routing ID of the connected IP Director
 - > **Application** : Application connected to the routing service
 - > **Ping** : button to launch an application ping between the routing and the remote app.
- > **Errors** (not implemented)

SYNCHRO DB



> **General** : shows the main information of the SynchroDB service

> **Status**

- **SynchroDB** : SynchroDB service status
- **Master Role** : Master status (None, Master candidate or Master)
- **LSM Sharing Mode** : XT management mode (None, Network or RestrictedStandAlone)
- **Directory Sharing Mode** : Nearline management mode (None, Network or RestrictedStandAlone)
- **Associations** :

> **Connection**

- **DB Connection** : Database connection status
- **DB Server** : Database server IP address
- **AVSP connection** : Routing connection status
- **Machine ID** : ID of the workstation in the IP Director routing
- **Master ID** : Routing ID of the Master SynchroDB
- **Static Socket** : Application number used to connect to the routing service

> **Management**

- **LSM Management** : List of the XTs managed by this SynchroDB
 - **ID Lsm** : SerialNumber of the XT
 - **Via SDTI** : False if the XT has a RS connection to an IPD
 - **Management Status** : XT management status. Values could be :
 - **Do not update** if the XT is not managed yet
 - **Getting ... (Gbl info, clips, playlists,...)** when the SynchroDB uploads the XT metadata to the database
 - **Up to Date** if the XT and the database are in sync
 - **Error** if the SynchroDB has a problem to upload XT metadata
 - **Nb Rec** : Recorder number seen on the XT
- **Directory Management** : List of the nearlines managed by this synchroDB
 - **Nearline path** : UNC path to the nearline
 - **Management status** : Nearline management status

ID	Resource Name	ID Managing	Via SDTI	Num User	ID SynchroDB	Synchro Managing	Management Status
46400	XT 15 RL	46400	False	15		93	Do Not Update
47060	XT 18 RL	47060	False	18		83	Do Not Update
28600	XT 19 RL	28600	False	19		84	Do Not Update
54830	XT 20 RL	54830	False	20		85	Do Not Update
29370	XT 02 RL	49260	True	2		93	Do Not Update
29330	XT 04 RL	49260	True	4		93	Do Not Update
74800	XT 05 RL	49260	True	5		70	Do Not Update
49260	XT 07 RL	49260	False	7		72	Do Not Update
46760	XT 15 RL	46760	False	15		77	Do Not Update
46700	XT 16 RL	46700	False	16		81	Do Not Update
46710	XT 13 RL	46710	False	13		79	Do Not Update
46730	XT 14 RL	46730	False	14		79	Do Not Update
29350	XT 03 RL	49260	True	3		93	Do Not Update
49240	XT 09 RL	49260	True	9		74	Do Not Update
29260	XT 10 RL	49260	True	10		75	Do Not Update
49210	XT 11 RL	49260	True	11		76	Do Not Update

- > **Share LSM List :** List of the XTs detected in the workgroup
 - > **ID Lsm :** Serial Number of the XT
 - > **Ressource Name :** Name of the XT
 - > **ID Managing :** Serial Number of the XT physically linked to an IPD and used to manage this XT
 - > **Via SDTI :** False if the XT has an RS connection to an IPD
 - > **Num User :** XT's User number on the SDTI network
 - > **ID SynchroDB :** Long ID of the SynchroDB managing the XT
 - > **Synchro Managing :** Short routing ID of the SynchroDB managing the XT
 - > **Management status :** XT management status
 - > **Nb Rec :** Recorder number seen on the XT

Resource ID	Resource Type	Resource Name	Synchro Request Managing	Synchro Managing	Watchdog Managing
3221	Directory	nearline (Share=1 SAA)	-1	81	04/May/09 -1
3242	Directory	nearline (Share=7 SAA)	-1	78	04/May/09 -1
3253	Directory	Stream (Read Only)	-1	85	04/May/09 -1
4198	Directory	nearline	-1	83	04/May/09 -1
3234	Directory	SAA	-1	-1	27/Apr/09 -1
3255	Directory	IF Drive Disk 3 on XPfile-9 (R)	-1	-1	10/Mar/09 -1
3236	Directory	RRSTOR on XPfile-9 (R)	-1	-1	09/Mar/09 -1

- > **Directory Engine :** List of the nearline directories detected in the workgroup
 - > **Ressource ID :** database ID of the nearline
 - > **Ressource type :** Nearline type (Directory only)
 - > **Ressource name :** Nearline name
 - > **Synchro Request Managing :** Routing ID of the SynchroDB that **will** manage the directory
 - > **Synchro managing :** Routing ID of the SynchroDB currently managing this directory
 - > **Watchdog managing :** Management livebit
 - > **Ressource management mode :** Directory Sharing Mode on the managing SynchroDB
 - > **Path :** UNC path to the directory
 - > **File to treat :** number of file still in the processing queue

- > **Last message :** message returned by the last file treatment
- > **Ressource state :** Nearline management status
- > **Ressource accessible :** Is the directory available on the network and accessible by the managing SynchroDB ?

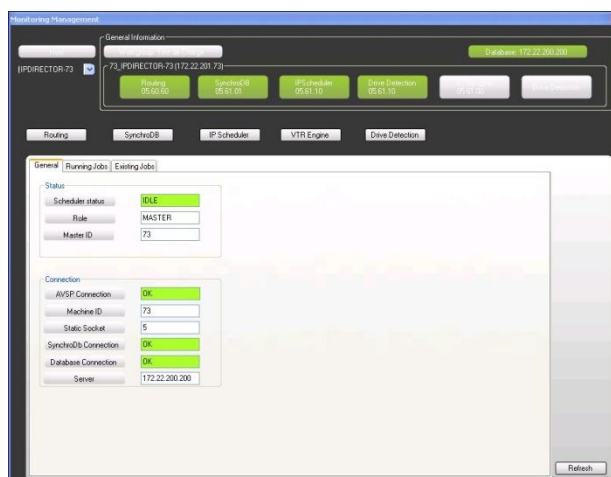
NumUser	Machine Id	Network Id
15	46400	2
8	74680	2
8	28980	5
2	29370	5
28	60980	5
4	29330	5
3	29350	5
5	74800	5
7	49260	5
13	46710	5
10	29360	5
14	48750	5
15	49000	5
16	48700	5
9	49240	5
11	49280	5
18	47060	5
19	29600	5

- > **SDTI Network :** List of the XT detected in the workgroup and the SDTI network they belong to
 - > **NumUser :** XT's User number on its SDTI network
 - > **Machine Id :** XT Serial number
 - > **Network Id :** SDTI network id the XT is connected to (internal in IPD)

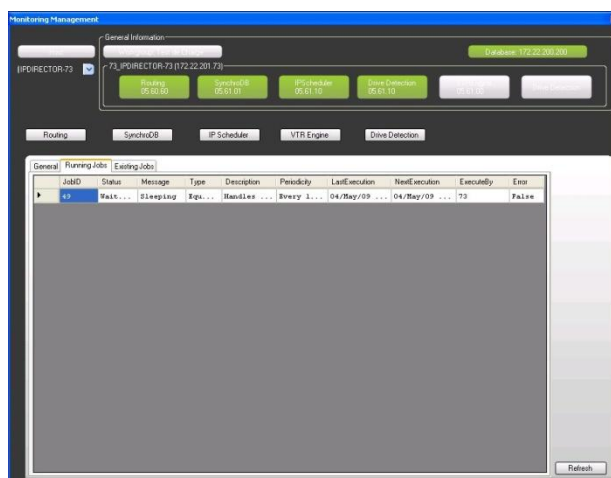
XMLUnit Name	XMLUnit Path	XMLUnit Type	XMLUnit Status	Channel clip backup in use	Channel playlist backup in use
IP-VTAC	\\ip-rtaccess\XTAccess_XML	Private	Offline	0/6	0/0
XPR2	\\xpr2ellon\XTAccess_XML	Private	Offline	0/8	0/0
XTAccess (CPfile-9)	\\xcelle-9\XTAccess_XML	Private	Offline	0/2	0/0
XTAccess Load Balancing	\\ip-rtaccess\XTAccess_XML	Private	Online	0/6	0/0

- > **XML Units :** List of the XMLUnits configured in the workgroup
 - > **XMLUnit name :** Name of the XMLUnit
 - > **XMLUnit path :** UNC path to the XMLUnit
 - > **XMLUnit type :**
 - > **XMLUnit status :** Is the XMLUnit accessible and used by a backup device (XTAccess or Xfile)?
 - > **Channel clip backup in use :** Number of channels used for clip backup (used/available)
 - > **Channel playlist backup in use :** Number of channels used for playlist backup (used/avail.)
 - > **Channel stream in use :** Number of channels used for stream (used/available)
 - > **Channel XTgateway in use :** Number of channels used by XTGateway (used/available)

IP SCHEDULER

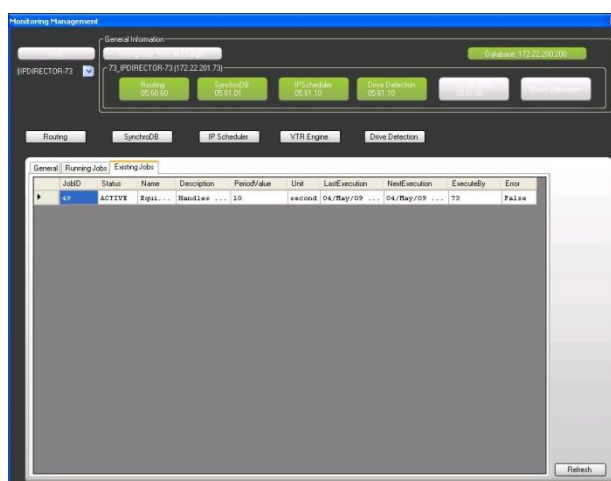


- > **General** : shows the main information of the IP Scheduler service
 - > **Status**
 - o **Scheduler status** : IP Scheduler service status
 - o **Role** : IP Scheduler master role (MASTER if it is the processing service, WAITING if it is a backup service)
 - o **Master ID** : Routing ID of the Master IP Scheduler
 - > **Connection**
 - o **AVSP Connection** : Routing connection status
 - o **Machine ID** : ID of the workstation in the IP Director routing
 - o **Static socket** : Application number used to connect to the routing service
 - o **SynchroDB connection** : SynchroDB connection status
 - o **Database connection** : Database connection status
 - o **Server** : Database server IP address



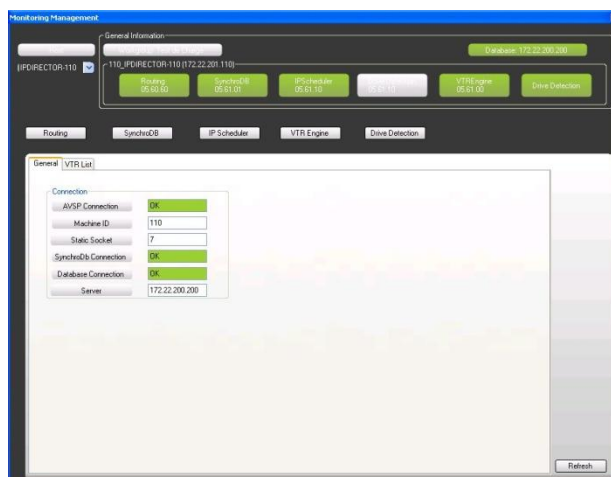
- > **Running Jobs** : List of the IP Scheduler jobs running on the IP Director

- > **JobID :** IP Scheduler job database ID
- > **Status :** Job running status
- > **Message :** last job message
- > **Type :** IP Scheduler job type (EVS_To_DB, IDF_To_EVS,...)
- > **Description :** IP Scheduler job description
- > **Periodicity :** Execution frequency
- > **Last execution :** Last job execution time
- > **Next execution :** Next job execution time
- > **ExecuteBy :** Routing ID of the processing IP Scheduler service
- > **Error :** has the last execution returned an error ?

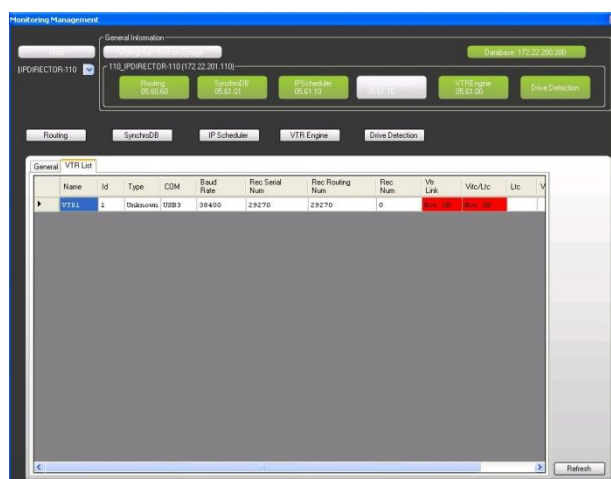


- > **Existing Jobs :** List of the IP Scheduler jobs defined in the workgroup
 - > **JobID :** IP Scheduler job database ID
 - > **Status :** Job running status
 - > **Name :** IP Scheduler job type (EVS_To_DB, IDF_To_EVS,...)
 - > **Description :** IP Scheduler job description
 - > **PeriodValue :** Execution frequency value
 - > **Unit :** Execution frequency unit
 - > **Last execution :** Last job execution time
 - > **Next execution :** Next job execution time
 - > **ExecuteBy :** Routing ID of the processing IP Scheduler service
 - > **Error :** has the last execution returned an error ?

VTR ENGINE



- > **General** : shows the main information of the VTR Engine service
 - > **Connection**
 - **AVSP Connection** : Routing connection status
 - **Machine ID** : ID of the workstation in the IP routing
 - **Static socket** : Application number used to connect to the routing service
 - **SynchroDB Connection** : SynchroDB connection status
 - **Database Connection** : Database connection status
 - **Server** : Database server IP address



- > **VTR List** : List of VTRs managed by the VTR Engine
 - > **Name** : VTR name (from the VTR Engine config)
 - > **ID** : VTR internal ID
 - > **Type** : VTR type
 - > **COM** : COM port used to connect the VTR on the IPD
 - > **Baud Rate** : Baud rate used in the RS connection
 - > **Rec Serial Num** : Serial number of the XT linked to the VTR in the VTR Engine config
 - > **Rec Routing Num** : Serial number of the XT used to manage the Linked XT
 - > **Rec Num** : Recorder number linked to the VTR in the VTR Engine config

- > **VTR Link :** VTR link status
- > **VITC/LTC :** association status of the VITC and LTC on the recording XT (called Delta)
- > **LTC :** LTC value
- > **VITC :** VITC value
- > **Error :** last error returned by the service

IP DRIVE (AKA DRIVE DETECTOR)

Monitoring not implemented in this version

IPDIRECTOR API

Monitoring not implemented in this version