IP DIRECTOR APPLICATION NOTE
Monitoring

10-Apr-2013

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INTRODUCTION

This document describes the IP Director 6.0 monitoring interface.

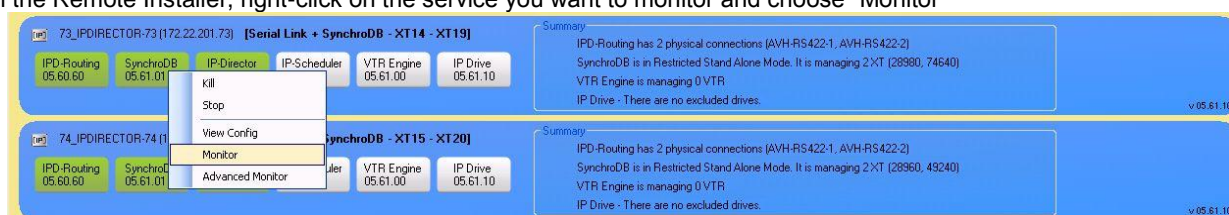You will find the global description of every information provided by the monitoring interface

MONITOR STATUS
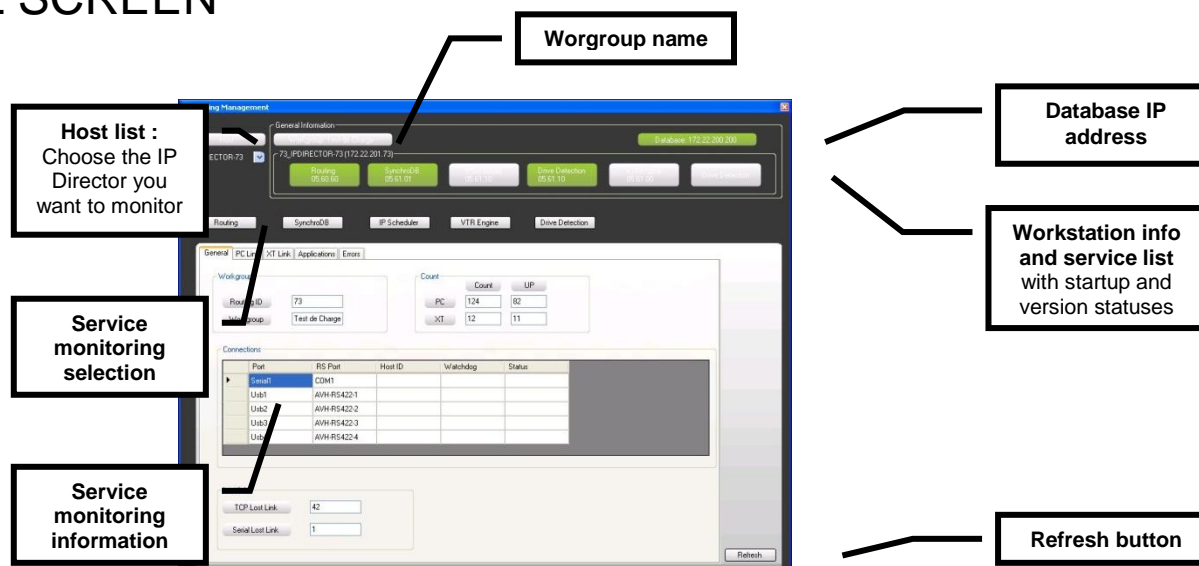## START MONITOR

How to start the monitoring interface :

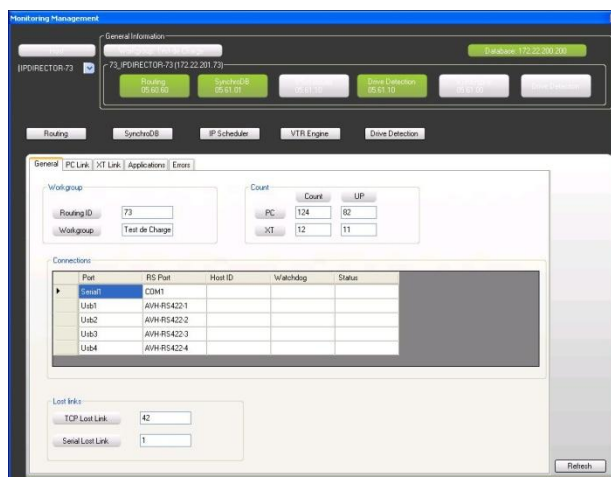> Right-click on the Remote Installer icon or a service icon in the taskbar and choose "Monitor Status"

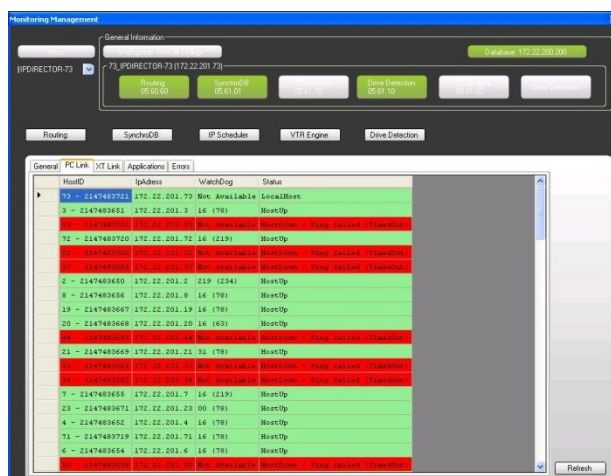> Open the Remote Installer, right-click on the service you want to monitor and choose "Monitor"


GLOBAL SCREEN

IP ROUTING

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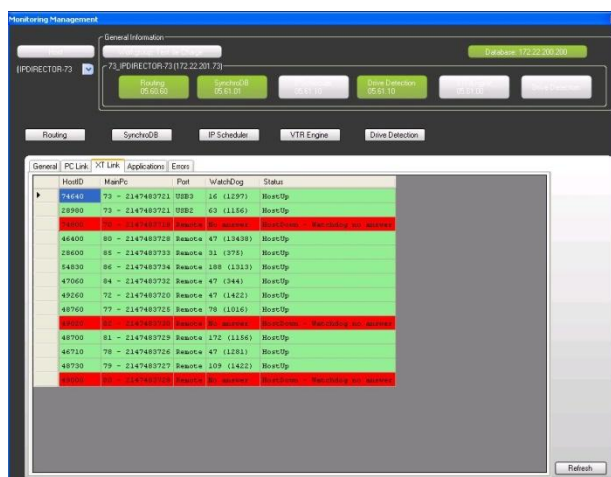

> **XT Link** :   List of the links with XTs (locally connected or remote)
>   > **HostID** :   XT serial number
>   > **MainPC** :   ID of the IP Director physically connected to the XT
>   > **Port** :   local port used to connect the XT (remote if the XT is connected to another IPD)
>   > **WatchDog** :   Application ping between the routing and the XT (current (highest))
>   > **Status** :   XT RS422 connection status
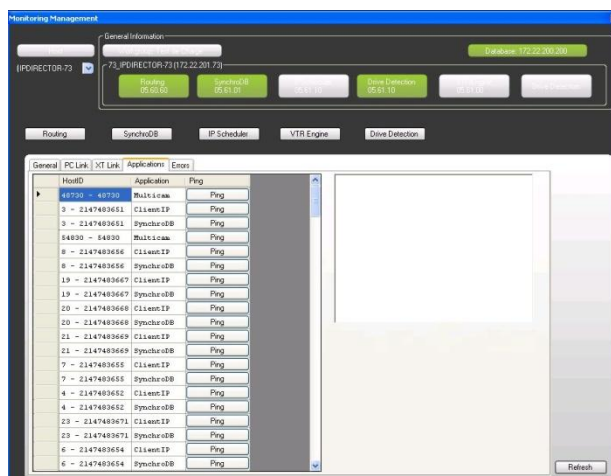
> **Applications** :   List of the application having a connection on the IP routing
>   > **HostID** :   Routing ID of the connected IP Director
>   > **Application** : Application connected to the routing service
>   > **Ping** :   button to launch an application ping between the routing and the remote app.

> **Errors** (not implemented)

SYNCHRO DB
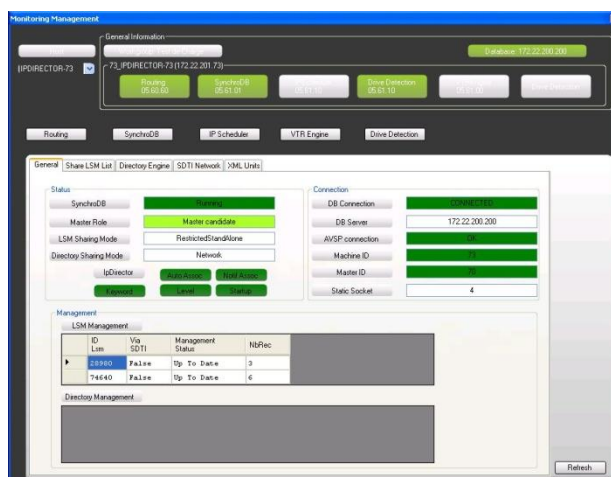
> **General** : shows the main information of the SynchroDB service
>> **Status**
>>> o **SynchroDB** :   SynchroDB service status
>>> o **Master Role** :   Master status (None, Master candidate or Master)
>>> o **LSM Sharing Mode** :   XT management mode (None, Network or RestrictedStandAlone)
>>> o **Directory Sharing Mode** :   Nearline management mode (None, Network or RestrictedStandAlone)
>>> o **Associations** :
>> **Connection**
>>> o **DB Connection** :   Database connection status
>>> o **DB Server** :   Database server IP address
>>> o **AVSP connection** :   Routing connection status
>>> o **Machine ID** :   ID of the workstation in the IP Director routing
>>> o **Master ID** :   Routing ID of the Master SynchroDB
>>> o **Static Socket** :   Application number used to connect to the routing service
>> **Management**
>>> o **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
>>> o **Directory Management** :   List of the nearlines managed by this synchroDB
>>>> ▪ **Nearline path** :   UNC path to the nearline
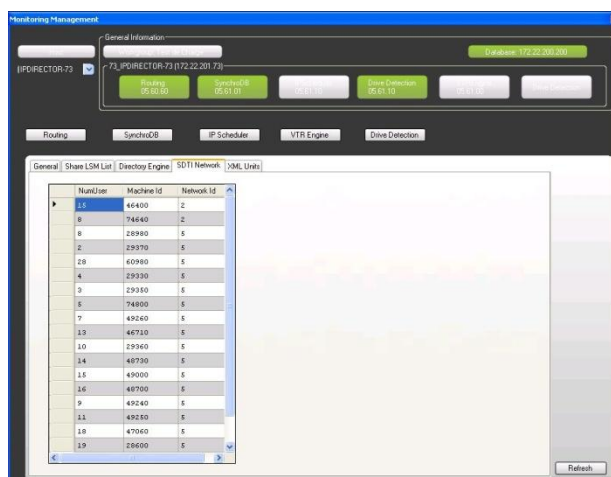>>>> ▪ **Management status** :   Nearline management status

> **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
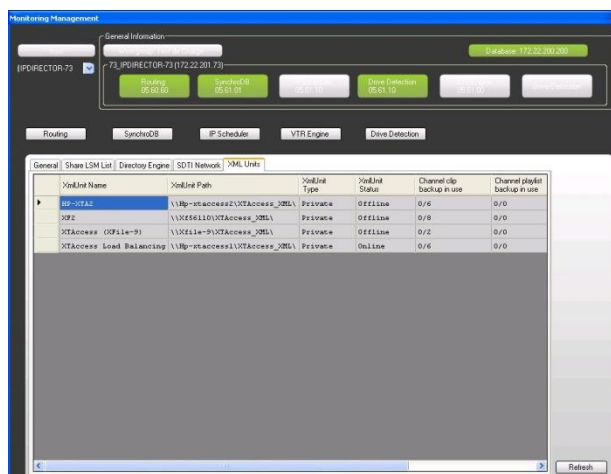>> **Nb Rec** : Recorder number seen on the XT

> **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 ?

> **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)

> **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
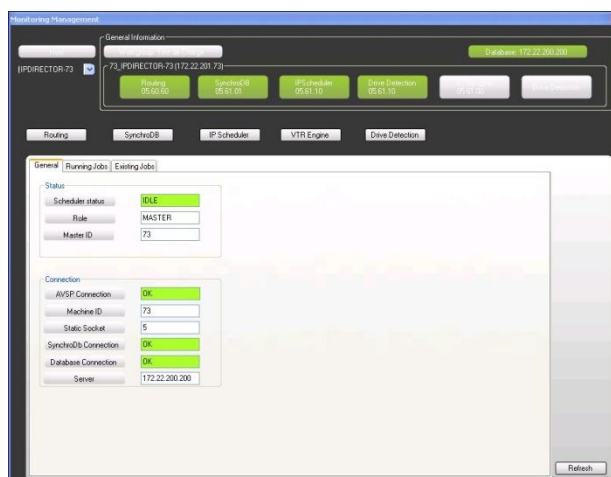
> **General** : shows the main information of the IP Scheduler service
> > **Status**
> > > o **Scheduler status** :   IP Scheduler service status
> > > o **Role** :   IP Scheduler master role (MASTER if it is the processing service, WAITING if it is a backup service)
> > > o **Master ID** :   Routing 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
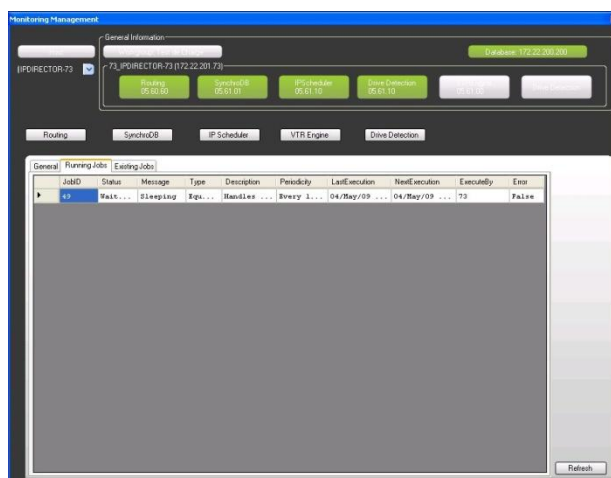
> **Running Jobs** :   List of the IP Scheduler jobs running on the IP Director

> **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 ?
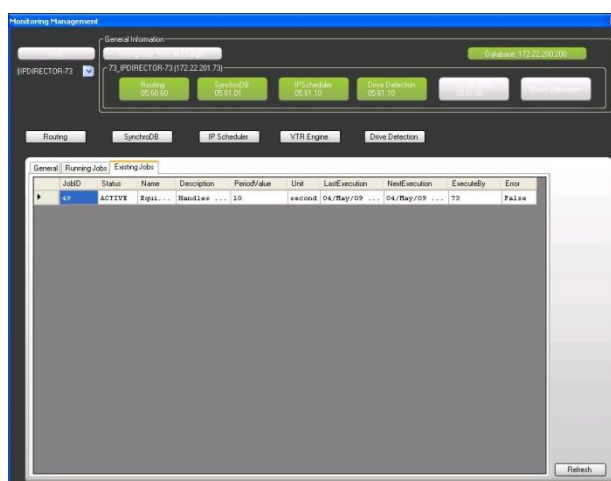
> **Existing Jobs** :   List of the IP Scheduler jobs defined in the workgroup
>   > **JobID** :   IP Scheduler job database ID
>   > **Status** :   Job running status
>   > **Name** :   IP Scheduler job type (EVS_To_DB, IDF_To_EVS,…)
>   > **Description** :   IP Scheduler job description
>   > **PeriodValue** :   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 ?
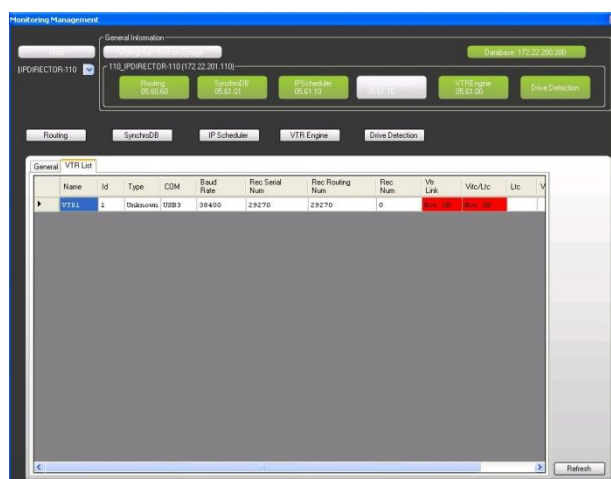
VTR ENGINE
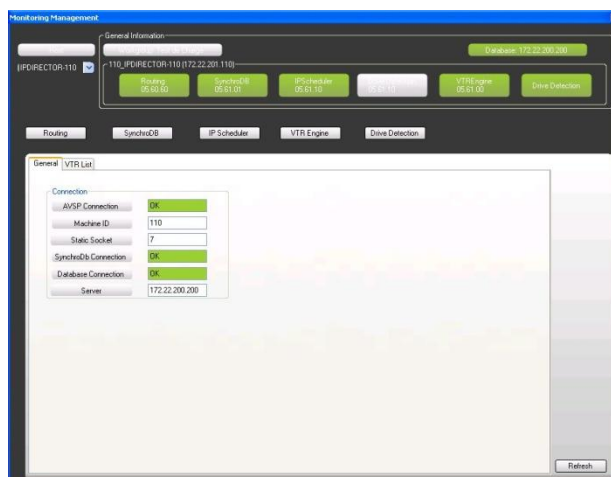
> **General** : shows the main information of the VTR Engine service
> > **Connection**
> > > o **AVSP Connection** : Routing connection status
> > > o **Machine ID** : ID of the workstation in the IP routing
> > > o **Static socket** : Application number used to connect to the routing service
> > > o **SynchroDB Connection** : SynchroDB connection status
> > > o **Database Connection** : Database connection status
> > > o **Server** : Database server IP address

> **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