



IP DIRECTOR APPLICATION NOTE

Web Toolkit

05/01/2017

Corporate

Headquarters
+32 4 361 7000

North & Latin America

Headquarters
+1 947 575 7811

Asia & Pacific

Headquarters
+852 2914 2501

Other regional offices

Available at
www.evs.com/contact

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INTRODUCTION

This document describes how to install the Web Toolkit and provides details about the information you can monitor using Web Toolkit.

IPDIRECTOR WEB TOOLKIT INSTALL

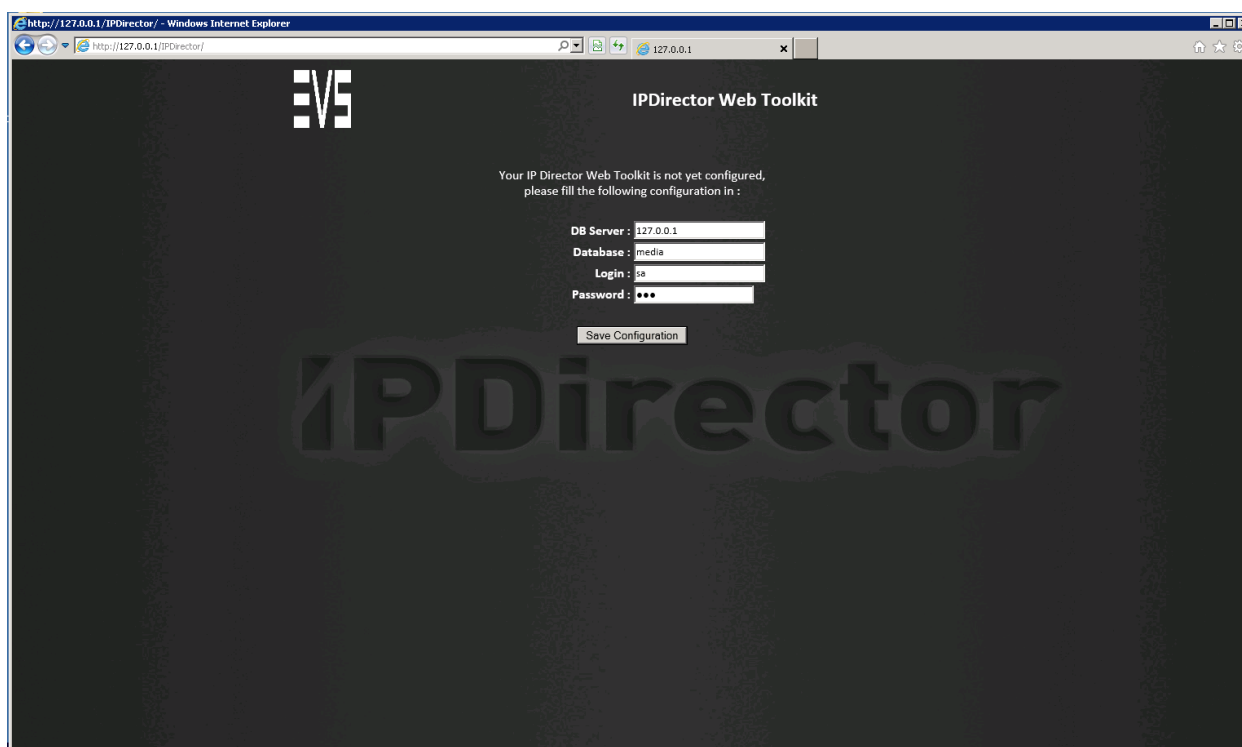
This is the procedure to install the IP Director Web Toolkit :

- > Take the Install_WEB_Toolkit_7.20.exe from the release sources
- > Execute the EXE on a Windows 7, Windows 10, Windows server 2008, or Windows Server 2016.
- > Once the toolkit is installed you can reach it with a browser on the URL : <http://MachineName/IPDirector>

The station where the Web Toolkit is installed must be configured with Jumbo Frames in order to have relevant information in the PING page

WEB TOOLKIT SCREENSHOTS

CONFIG SCREEN



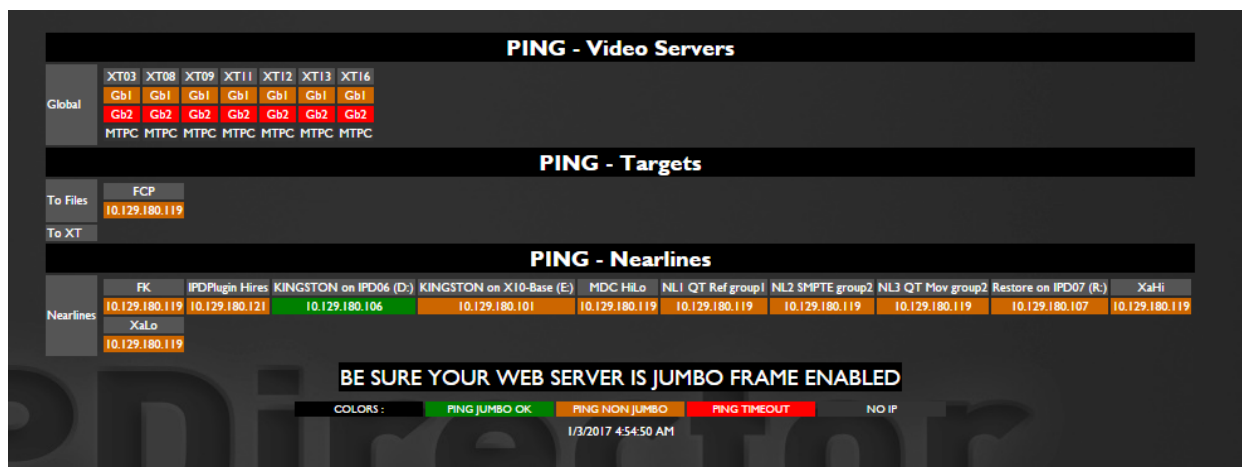
When the button “Save Configuration” is selected:

- The configuration is saved in the file : c:\inetpub\wwwroot/IPD_Web_Config.txt
- The system displays the startup screen on the selected database.

STARTUP SCREEN



PING PAGE



The page “pings” the XTs, the targets and the nearline with jumbo frame packets.
This is an example of a station without jumbo frame connection

STORAGE PAGE

| IP Director Web Toolkit v 07.20.00 | | | | | |
|------------------------------------|---|----------------------|----------|----------------------|----|
| | | PING | Storage | IP Drives | XM |
| Storage free space | | | | | |
| Name | UNC | Free | Hi@120Mb | Lo@3Mb | |
| EDL Clips | \\10.129.180.119\v720w10\targets\EDLClips\ | 11582 GB 199h40 | 1757h04 | | |
| FCP | \\10.129.180.119\v720w10\targets\FCP\ | 11582 GB 199h40 | 1757h04 | | |
| FK | \\10.129.180.119\v720w10\Nearline\FK\ | 11582 GB 199h40 | 1757h04 | | |
| Flatten | \\10.129.180.119\v720w10\targets\Flatten\ | 11582 GB 199h40 | 1757h04 | | |
| IPDPlugin Hires | \\10.129.180.121\HiResFiles480\ | 7580 GB | 130h40 | 1149h55 | |
| MDC HiLo | \\10.129.180.119\v720w10\Nearline\MDC HiLo\ | 11582 GB 199h40 | 1757h04 | | |
| NL1 QT Ref group1 | \\10.129.180.119\v720w10\Nearline\NL1\ | 11582 GB 199h40 | 1757h04 | | |
| NL2 SMPTE group2 | \\10.129.180.119\v720w10\Nearline\NL2\ | 11582 GB 199h40 | 1757h04 | | |
| NL3 QT Mov group2 | \\10.129.180.119\v720w10\Nearline\NL3\ | 11582 GB 199h40 | 1757h04 | | |
| XaHi | \\10.129.180.119\v720w10\Nearline\XMA\ | 11582 GB 199h40 | 1757h04 | | |
| XaLo | \\10.129.180.119\v720w10\Nearline\XMA_Lo\ | 11582 GB 199h40 | 1757h04 | | |
| Means "Not Managed" | | Change default Codex | | Means "Low Capacity" | |

The page shows the remaining space on the nearlines and the online IP-Drives.
It also give an estimate remaining time for HD files or LoRes files (HD: 100Mb/s – LoRes: 1 Mb/s)

IP DRIVES

| IP Drive free space | | | | |
|---------------------------|---------------------------------|----------------------|----------|--------|
| Name | UNC | Free | Hi@120Mb | Lo@3Mb |
| Restore on IPD07 (R:) | \\10.129.180.107\R on IPD07\ | OFFLINE | | |
| KINGSTON on IPD06 (D:) | \\10.129.180.106\D on IPD06\ | OFFLINE | | |
| KINGSTON on X10-Base (E:) | \\10.129.180.101\E on X10-Base\ | OFFLINE | | |
| Means "Not Managed" | | Change default Codex | | |
| | | Means "Low Capacity" | | |

The page shows the status of all IP Drives detected by IP Director even if they are offline.
It also give the remaining space and an estimate remaining time for HD files or LoRes files (HD : 100Mb/s – LoRes : 1 Mb/s)

XML QUEUES PAGE

IP Director Web Toolkit

v 07.20.00

PING

Storage

IP Drives

XML Queues

XML Queues

XMLUnits (Incomming Jobs)

| XMLUnit | Path | Status | Files |
|----------|--|---------|-------|
| EDL Clip | \\10.129.180.119\720w10\XML_Unit\EDLClips\ | Online | 0 |
| Flatten | \\10.129.180.119\720_w10\XML_unit\Flatten\ | Online | 0 |
| FCP | \\10.129.180.119\720w10\XML_Unit\FCP\ | Offline | 0 |

IP Scheduler Jobs

| Target Name | Path | Files |
|-------------|---|-------|
| 1 | \\10.129.180.119\720w10\IPScheduler\EVS_TO_TODO\ | 1 |
| 1 | \\10.129.180.119\720w10\IPScheduler\EVS_TO_TREATED\ | 2 |
| 1 | \\10.129.180.119\720w10\IPScheduler\EVS_FROM_TODO\ | 2 |
| 1 | \\10.129.180.119\720w10\IPScheduler\EVS_FROM_TREATED\ | 0 |

1/3/2017 4:55:53 AM

The page shows the number of files detected in the Jobs_Incoming folders in every XML_Unit, the files detected in the export logs folders and in the folders used by the IP Scheduler.

STATISTICS PAGE

EVS

IP Director Web Toolkit

v 07.20.00

Beware that all statistics here under are based on SDTI Network date

IP Director Statistics

Clips by

Owner

Year

Date

Source Name

Clips Elements by

Storage

Video Fromat

Mode

Type

Logs by

Logsheet

Date

Transfers by

Targets

Users

Date

Targets and Users

Users and Date

Duration

Time of Day

Source Object

Transfer type

Keywords

Top 50 for clips

Top 50 for logs

Playlists by

Server

User

Date

Duration

Clip number

Edits by

User

Duration

Bin Elements by

Bin

Date

User

Searches

Top 50 on clips

Top 50 on logs

Statistics Dashboard

| Clips | | Logs | | Playlists | | Transfers | | Bins | |
|---------------------------|-----|--------------------------------------|----|-----------------------|------|-------------------|-----|------------------|----|
| Clip Number | | Logsheet Number | | Playlists Number | | Transfers Number | | Bins Number | |
| 2422 | | 31 | | 223 | | 712 | | 97 | |
| ClipElement Number | | Log Number | | Playlist Elems per PL | | Transfers per Day | | Objects per Bins | |
| 2875 | | 102 | | pl les 501 | 1002 | 20170101 | 2 | pmu | 93 |
| Clips by Storages | | Logs per folders | | pl les 501 | 497 | 20161231 | 1 | 9-10 | 50 |
| XT03 | 987 | pl les melt 11111 | 22 | pl les 501 | 497 | 20161230 | 99 | orphelin | 42 |
| XT09 | 652 | CLIPLOGGING - 2016-12-28 23:46:58;14 | 10 | itr1 | 413 | 20161229 | 184 | ACT | 33 |
| XT11 | 297 | ddd | 9 | brrrr | 408 | 20161228 | 149 | 16-17 | 15 |
| MDC HiLo | 144 | full cliplogger | 7 | 100 | 102 | 20161227 | 90 | 16-17 | 13 |
| XT08 | 126 | Logsheet | 7 | 100 | 102 | 20161223 | 23 | 15-16 | 10 |
| XaLo | 122 | pl les melt san | 5 | 123 | 100 | 20161222 | 2 | 15-16 | 10 |
| XT16 | 74 | ACZ1 | 4 | itr1 | 53 | 20161219 | 2 | 0202 | 9 |
| IPDPlugin Hires | 72 | azerty cliplogger | 4 | brrrr | 52 | 20161216 | 7 | les | 9 |
| XT12 | 64 | testing ClipLogger | 4 | sanity check Playlist | 29 | 20161214 | 9 | amt's Bin | 8 |
| XaHi | 33 | les xx | 3 | sanity check Playlist | 29 | 20161213 | 1 | 0001 | 7 |
| XT13 | 26 | amt logsheet 2 | 3 | les smoke000 | 26 | 20161212 | 4 | ClipLogger | 6 |
| NL1 QT Ref group1 | 16 | amt logsheet | 3 | les smoke000 | 26 | 20161209 | 6 | pmu-01 | 6 |
| NL3 QT Mov group2 | 8 | amt logsheet associated | 2 | 6535 | 25 | 20161208 | 12 | Bin 01 | 5 |
| NL2 SMPTE group2 | 6 | 7751 | 2 | imporoff3 | 22 | 20161207 | 23 | ?????? | 4 |
| FK | 4 | les asset | 2 | fghjklj | 20 | 20161205 | 28 | 00 | 4 |
| Restore on IPD07 (R:) | 3 | pas 4k bis | 2 | pl les off san | 19 | 20161202 | 52 | 001 | 4 |
| KINGSTON on IPD06 (D:) | 1 | ls1 | 2 | bfbgfdg | 18 | 20161201 | 12 | AMT sanity Bin | 4 |
| KINGSTON on X10-Base (E:) | 1 | logsheet pas 4k | 1 | bfbgfdg | 18 | 20161130 | 2 | amtBin4Timelines | 4 |
| | | les2 | 1 | | | | | | |
| | | IPlog2post sanity bis | 1 | | | | | | |

Data taken from database : Media_local on server : 10.129.180.106 at 1/3/2017 4:56:05 AM

You are working on live data. Click [here](#) to create a statistic database

This page gives a large panel of statistics. The user can choose the view in the menu on the left.

Please not that the statistics are based on the current content of the database, not on historical data.

Authors Sebastien MAINDIAUX / Annabelle GOUZE

6-janv.-17

File name Application_Note_Web_Toolkit_7.20

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LICENSES PAGE

Browsing & Access Tools

Purchased floating licenses

| Application Name | Xsecure Code | Total | Used | Available |
|----------------------------|--------------|-------|------|-----------|
| IPAccess | 115 | 0 | 0 | 0 |
| IPDirector | 201 | 250 | 2 | 248 |
| IPBrowse | 203 | 250 | 0 | 250 |
| IP Clip Logger | 205 | 250 | 1 | 249 |
| IP Web | 221 | 250 | 0 | 250 |
| IPMOS ActiveX | 223 | 250 | 0 | 250 |
| IPLink Plug-in for Adobe | 225 | 250 | 0 | 250 |
| IPDAPI - ThirdParty Access | 237 | 250 | 0 | 250 |
| Multi -Applications | 239 | 250 | 0 | 250 |

Workstation using licenses

| ComputerName | Expiration Date |
|---------------|---------------------|
| X10-BASE | 1/3/2017 4:59:00 AM |
| APPSRVA248520 | 1/3/2017 4:58:57 AM |

IP Clip Logger licenses

| ComputerName | Expiration Date |
|--------------|---------------------|
| IPD02 | 1/3/2017 4:58:50 AM |

Logins using licenses

1/3/2017 4:56:16 AM

Production Tools

Purchased floating licenses

| Application Name | Xsecure Code | Total | Used | Available |
|---------------------|--------------|-------|------|-----------|
| Director's Cut | 111 | 250 | 0 | 250 |
| Ingest Scheduler | 140 | 250 | 0 | 250 |
| IP Edit | 160 | 250 | 0 | 250 |
| IP Logger | 120 | 250 | 1 | 249 |
| Production Playlist | 150 | 250 | 0 | 250 |

Workstation using licenses

| ComputerName | Expiration Date |
|---------------|---------------------|
| APPSRVA248520 | 1/3/2017 4:58:57 AM |

The page shows the total number of floating licenses in the workgroup, how many of them are used, and how many of them remain available. The left part shows the number of floating licenses for the different browsing and Access Tools, and the right part shows the number of floating licenses for the production Tools.

For licenses taken by IPDirector, IPBrowse, IPClipLogger, and the different production tools the Computer name is shown. For licenses taken by API users (IP Web, IPMOS ActiveX, IPDAPI, IPDFLex/Multi), the login is shown. For API licenses, there is a option to disconnect the user.

API USERS PAGE

| API USER LIST | | |
|---------------------|--------|---------------------|
| Login | Tokens | Last Activity |
| administrator | 1 | 1/3/2017 4:42:32 AM |
| sa | 38 | 1/3/2017 4:55:44 AM |
| 1/3/2017 4:56:46 AM | | |

This page lists all API users currently connected to the IPDirector

API OBSERVERS

This page lists the API client registered to receive API notification

| API OBSERVER LIST | | | |
|-----------------------------|--|----------|--------------------|
| Observer | Token | Login | Notification Queue |
| Total :106 | Token | Login | Total :0 |
| http://10.129.180.101:8080/ | {03FB99DF-3A30-49EE-A595-0BD3A3BE0777} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {E7426BBF-2FC4-44E5-9FA6-0D6BD0F659B0} | sa | 0 |
| http://10.129.180.101:8080/ | {A3448152-A499-4D6F-A006-1766CE325C16} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {2BB88CF1-0800-421E-B0F1-1A4637D55B74} | sa | 0 |
| http://10.129.180.101:8080/ | {1E50A6B2-817D-4280-9007-1A551A7BE5E4} | sa | 0 |
| http://10.129.180.101:8080/ | {9DF412FE-4030-4B83-A54A-1DDB7C5B07B2} | sa | 0 |
| http://10.129.180.101:8080/ | {C6D95A8D-F05C-4348-8F2E-20C5D01E8D7D} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {64E63F98-18DB-478E-9E3E-2191A70DC7E0} | sa | 0 |
| http://10.129.180.101:8080/ | {A5242D4C-5972-4200-A9E4-226D404D0AA9} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {31B9DF24-7B92-4D77-A1B0-23B5139B2015} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {93269497-07F5-421D-8525-2432EEFE1544} | sa | 0 |
| http://10.129.180.101:8080/ | {A018D850-4AAC-4D71-B922-29272933A710} | sa | 0 |
| http://10.129.180.101:8080/ | {CEF502A6-7592-44D6-B9E7-32A058F64383} | sa | 0 |
| http://10.129.180.101:8080/ | {F588FBF8-0E58-46FD-8268-356766F1328F} | sa | 0 |
| http://10.129.180.101:8080/ | {C89D604C-AC1F-430F-8DB3-440C9DBC1E9A} | sa | 0 |
| http://10.129.180.101:8080/ | {7DD01190-4BC8-4809-9BC3-4A24F8BAA73F} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {CBFD615B-580E-4F2C-B133-4A83EAA7FB0E} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {7B1EE3F3-08FF-4F14-8BFA-50A29036187E} | sa | 0 |
| http://10.129.180.101:8080/ | {3AC10B87-7546-4265-9BD0-55C9B5D5E646} | ORPHANED | 0 |
| http://10.129.180.101:8080/ | {EB9D5157-CE27-444B-BCD9-5B8A18DB19A9} | sa | 0 |
| http://10.129.180.101:8080/ | {16642774-DF67-46B0-A9E6-5EA334D73C74} | sa | 0 |
| http://10.129.180.101:8080/ | {EA207D90-3474-4971-BA8D-6354A892470F} | sa | 0 |
| http://10.129.180.101:8080/ | {8FC4C512-28C4-42CE-8E5B-66087364DE70} | sa | 0 |

It shows :

- > The URL where the notification are sent
- > The user token used in the subscription
- > The number of notification that were NOT sent to the observer (notification in the queue)
- > It doesn't show the notification type the client is subscribed to.

AUDIT

This page gives access to the audit of deleted objects, recorded in the IP Director database

Auditing Tool - Clips

Clips Edits Playlists

07:20:00

Search Deleted Clips

Name Search ☐ Show only user actions

Deleted Clips

| Date | User/Login | Computer | Name | VarID | LsmID | Stored on | |
|----------------------------|------------|---------------|---|----------------------------------|-------|-----------|-------------------------|
| 30 Dec 2016 01:09:03.093 | | APPSRVA248520 | XMA - 0053 | (72)bp+2 | 718 | XaLo | Details |
| 30 Dec 2016 01:09:53.037 | | APPSRVA248520 | XMA - 0053 | (72)bp+2 | 718 | | Details |
| 30 Dec 2016 01:09:50.480 x | | IPD06 | XMA - 0053 | (72)bp+2 | 718 | XaLo | Details |
| 30 Dec 2016 01:09:30.307 x | | IPD06 | XMA - 0053 | (72)bp+2 | 718 | | Details |
| 29 Dec 2016 20:57:58.703 | | APPSRVA248520 | XMA - 0020 | (72)84Y | 718 | | Details |
| 29 Dec 2016 20:57:50.187 x | | IPD06 | XMA - 0020 | (72)84Y | 718 | | Details |
| 29 Dec 2016 20:54:36.537 | | APPSRVA248520 | XMA - 0019 | (72)b7_c | 718 | | Details |
| 29 Dec 2016 20:54:32.323 x | | IPD06 | XMA - 0019 | (72)b7_c | 718 | | Details |
| 29 Dec 2016 20:49:46.180 | | APPSRVA248520 | XMA - 0015 | (72)b7s1 | 715 | XaHi | Details |
| 29 Dec 2016 20:49:36.117 | | APPSRVA248520 | XMA - 0015 | (72)b7s1 | 715 | XaLo | Details |
| 29 Dec 2016 20:49:36.117 | | APPSRVA248520 | XMA - 0015 | (72)b7s1 | 715 | | Details |
| 29 Dec 2016 20:49:29.720 x | | IPD06 | XMA - 0015 | (72)b7s1 | 715 | XaHi | Details |
| 29 Dec 2016 20:49:29.720 x | | IPD06 | XMA - 0015 | (72)b7s1 | 715 | XaLo | Details |
| 29 Dec 2016 20:49:29.707 x | | IPD06 | XMA - 0015 | (72)b7s1 | 715 | | Details |
| 29 Dec 2016 20:44:16.023 | | APPSRVA248520 | XMA - 0014 | (72)b7u | 715 | XaLo | Details |
| 29 Dec 2016 20:44:16.023 | | APPSRVA248520 | XMA - 0014 | (72)b7u | 715 | XaHi | Details |
| 29 Dec 2016 20:44:06.007 | | APPSRVA248520 | XMA - 0014 | (72)b7u | 715 | | Details |
| 29 Dec 2016 20:44:03.890 x | | IPD06 | XMA - 0014 | (72)b7u | 715 | XaLo | Details |
| 29 Dec 2016 20:44:03.870 x | | IPD06 | XMA - 0014 | (72)b7u | 715 | XaHi | Details |
| 29 Dec 2016 20:44:03.850 x | | IPD06 | XMA - 0014 | (72)b7u | 715 | | Details |
| 29 Dec 2016 20:41:05.837 | | APPSRVA248520 | XMA - 0012 | (72)b7XC | 715 | | Details |
| 29 Dec 2016 20:40:57.210 x | | IPD06 | XMA - 0012 | (72)b7XC | 715 | | Details |
| 29 Dec 2016 20:37:15.170 | | APPSRVA248520 | XMA - 0010 | (72)b7iL | 715 | XaHi | Details |
| 29 Dec 2016 20:37:05.810 | | APPSRVA248520 | XMA - 0010 | (72)b7iL | 715 | XaLo | Details |
| 29 Dec 2016 20:37:05.810 | | APPSRVA248520 | XMA - 0010 | (72)b7iL | 715 | | Details |
| 29 Dec 2016 20:37:02.790 x | | IPD06 | XMA - 0010 | (72)b7iL | 715 | XaLo | Details |
| 29 Dec 2016 20:37:02.783 x | | IPD06 | XMA - 0010 | (72)b7iL | 715 | XaHi | Details |
| 29 Dec 2016 20:37:02.753 x | | IPD06 | XMA - 0010 | (72)b7iL | 715 | | Details |
| 29 Dec 2016 19:53:33.940 | | APPSRVA248520 | XMA - 0008 | | | | Details |
| 29 Dec 2016 19:53:33.187 x | | IPD06 | XMA - 0008 | | | | Details |
| 29 Dec 2016 19:42:42.377 | | IPD06 | XMA - 23:51:38;16 - 0043 | (p22+5h | 811 | XaHi | Details |
| 29 Dec 2016 19:41:32.287 | | IPD06 | XMA - 23:51:38;16 - 0043 | (p22+4h | 811 | XaHi | Details |
| 29 Dec 2016 19:27:51.153 | | APPSRVA248520 | 2 clips | 88f7c27e9d524a9dad0ced1c6e8b3ca8 | 111 | XaHi | Details |
| 29 Dec 2016 19:26:11.450 | | IPD06 | TL complete 12346578912346578912346578932145678912346578123456X | (p22On6 | 811 | XaHi | Details |
| 29 Dec 2016 19:26:11.450 | | IPD06 | 09_XT09_REC1 | (p22On6 | 811 | XaHi | Details |
| 29 Dec 2016 19:26:11.450 | | IPD06 | deux | (p22On3 | 811 | XaHi | Details |
| 29 Dec 2016 19:26:11.447 | | IPD06 | 09_XT09_REC1 | (p22On4 | 811 | XaHi | Details |
| 29 Dec 2016 08:12:12.820 | | APPSRVA248520 | deux | (72)RSJF | | XaHi | Details |

Audit Details

You have access to the log of deleted clips, deleted edits and deleted playlists.

For each of these objects you will see when the object has been deleted by which user and from which computer. Depending on the object type, you will also have a trace of :

- > The object name
- > Its main Ids
- > Its file path (for a file clip)
- > ...

You can also search on a specific column. The search doesn't behave like in the IP Director DB Explorer as it doesn't use the Full text Search. You will have to search for exact values or values with * as prefix or postfix.

Due to the internal IP Director architecture, you will generally see multiple records for the same object deletion. You will typically see one record for the user request (usually through the GUI) and another record for the actual object deletion performed by the IP Director services.

OTHER PAGES INSTALLED BY THE WEB TOOLKIT

LONGLOCKS.ASP

<http://ipdirectortname/IPDirector/longlocks.asp>

The page shows SQL connections blocked for more than 10 seconds by another connection.

It shows the “Blocked” connections and the “Blocking” connection. This blocking issue could explain misbehaviours in IP Director.

Typical output when no blocking connection have been detected

| Long Locks list | | | | | | |
|------------------------|------------|-----------|-----------|----------|--------------|-------------|
| BLOCKED PROCESSES | | | | | | |
| SPID | Blocked By | Wait time | Wait Type | hostname | program name | hostprocess |
| 10/26/2012 10:28:34 AM | | | | | | |

Typical output when a blocking connection is detected

| Long Locks list | | | | | | |
|------------------------|------------|-----------|---------------|-----------------|--|-------------|
| BLOCKED PROCESSES | | | | | | |
| SPID | Blocked By | Wait time | Wait Type | hostname | program name | hostprocess |
| 115 | 108 | 30 sec | LCK_M_U | IPDIRECTOR74000 | SynchroDBService | 8080 |
| 155 | 108 | 18 sec | LCK_M_U | IPDIRECTOR58450 | SynchroDBService | 2404 |
| BLOCKING PROCESSES | | | | | | |
| SPID | Blocked By | Wait time | Wait Type | hostname | program name | hostprocess |
| 108 | 0 | 0 | MISCELLANEOUS | IPDIRECTOR58450 | Microsoft SQL Server Management Studio Express - Query | 1724 |
| 10/26/2012 10:28:18 AM | | | | | | |

The page also records important information in c:\evslogs\ASP_LongLocks.log