USER MANUAL

Version 1.6 - November 2018



XNet.WebMonitor





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What's New?

In the XNet Webuser manual, the icon **NEW!** has been added on the left margin to highlight information on new and updated features.

The changes linked to new features and having an impact on the user manual in version 1.6 are listed below. The full list of new features is available in the release notes.

New fields "Interface", "HDR" in Server Details area, Status tab

• See section "Audio-Video Area" on page 39.

New field "Hardware Edition History" in Server Details area, Hardware tab

- See section "Hardware Tab" on page 45
- See section "Fields in the Monitoring List" on page 34

New tab "Temperature" in Server Details

- See section "Overview on the Server Details Area" on page 36
- See section "Temperature Tab" on page 46
- See section "Fields in the Monitoring List" on page 34



Introduction 1

Product Overview 1.1.

XNet Web is a tool aimed at monitoring EVS products. It displays real time information and status about the EVS video servers and other EVS products, as well as past alert and warning messages.

XNet Web uses the SNMP (Simple Network Management Protocol) protocol to request and receive monitoring data from the EVS servers. This internal status data is defined in the MIB (Management Information Base) on each EVS server.

One XNet Web application can monitor several EVS servers and other EVS products while one EVS server or product may also be monitored by several XNet Web polling services.

XNet Web is mainly a monitoring application that cannot act on the monitored servers. Some remote actions are however possible: Multicam version upgrade, keyword file maintenance, as well as remote access to an EVS server desktop, or to an LSM Remote Panel.



NOTE

The full list of EVS products that can be monitored with XNet Web are specified in the release notes. All currently supported EVS servers can be monitored with XNet Web.

1.2. **Architecture Overview**

The web interface of XNet Web allows users to connect, from their PC, to the web server using the HTTP protocol, and to access the information defined in the MIB (Management Information Base) of the web server.

The web server communicates with the hosts (EVS video servers or other EVS hardware), and calls for or receives information from them in the following ways:

- The web server discovers automatically the EVS hardware that can be monitored using the Bonjour protocol.
- Polling services hosted on the web server or on dedicated hardware query continuously the hosts for data to transmit. When new data is available, the host transmits the data to the polling service using the SNMP protocol.
- The polling service sends information to the web server using the SOAP protocol.
- Trap messages are sent by the host to the polling service(s) that is/are associated to the given host.



The schema below shows an overview of the underlying architecture that allows the communication flow between the hosts (or monitored devices), the polling services, the web server, and finally the XNet Web.

Note

If one polling service is sufficient, the polling service can be installed on the web server that hosts the master service.

1.3. Accessing the Application

Supported Browsers

XNet Web being a web-based interface, you access it using a web browser.

The following browsers are supported:

- Internet Explorer
- Firefox
- Safari



How to Open an Instance of XNet Web

To open an instance of the XNet Web Monitor interface, type the URL of the XNet Web webserver in the browser.

The URL is made up as follows:

http://<XNet Web Monitor IP address>/XNetWebMonitor

where you refer to the IP address of the hardware where XNet Web Monitor is installed. If XNet Web Monitor is installed on the local computer, use the following URL: http://localhost/XNetWebMonitor

1.4. Standard User versus Administrator

Introduction

When you access the XNet Web Monitor interface, you are logged on by default as a standard user: The **Configuration**, **Install** and **Keyword files** menus are dimmed.

Logging in as an administrator allows you to perform the following actions:

- Configuring how and which monitoring and alert information will be displayed in the main window.
- Installing and/or removing Multicam versions on EVS servers.
- Uploading keyword files on EVS servers.
- Using the XT tools, symbolized by icons on the right of the menu bar.

How to Log on as an Administrator

To log on as an administrator, proceed as follows:

- 1. Click the login icon Login in the top right corner of the Monitoring window.
- 2. In the Login dialog box, enter the administrator user name and password provided by EVS.
- 3. Click the Login button.

How to Log Out

Once you have finished working in administrator mode, you can log out by clicking the **Logout** icon in the top right corner of the Monitoring window.

1.5. User Interface Overview

Introduction

When you access the XNet Web Monitor interface, the Monitoring window (main window) is displayed. The schema below highlights the various areas on the Monitoring window.

| itoring Histo | ory Configuration | Install Extract lo | Keyword file | s Help • 🚍 | 40 | | | | |
|---------------------------|-----------------------------|---------------------------|----------------|------------------|----------------|-----------------|----------------|---------------|------------|
| Name N | et Number SN | Product Typ | e Version | Video Std | Intra Codec | Intra Eltrate | AV Channels | Genlock | Analog LTC |
| TVI (1 devices) Multica 0 | ce) 1330 | 10 XT3 6U | 16.A1.10 | _ | | | | OK blackburst | OK |
| CDN (2 dev | | | | | | | | | |
| Serv-4K 1 | 1612 | 50 XT4K | 16.01.14 | 1080p 59.9 | Avid DNxH | 200 Mbps | 4in 4out 8au | OK blackburst | Lost |
| PCL-XT 2 | 3045 | 20 XT-Via | 16.01.14 | 1080p 59.9 | Avid DNxH | 440 Mops | 4in 2out 8au | OK blackburst | OK |
| 9 🔴 NHL (2 dev | rices) | | | | | | | | |
| XT3-NM2 1 | 1751 | 10 XT3 GU | 16.01.14 | 625i PAL | SD IMX (D10) | 30 Mbps | 1in 1out 4au | Bad blackbur | Corrupted |
| nmi1 0 | 1191 | 10 XT3 6U | 16.01.14 | | | | | Bad blackbur | Corrupted |
| 3 CBR (1 dev | ice) | | | INDEX IN | University | Not excite this | No. Sect. Sec. | OKhindhard | 04 |
| A306240 15 | 5 3082 | R0 XT-Via | 16.01.14 | UHDTV-4K | Unknown | Not applicable | Sin Sout Sau | OK blackburst | OK |
| FT Multica 15 | o 1135 | U0 ETX | 16.91.11 | 1000i 59 94Hz | Avid DNxH | 145 Mbos | 6in 6out 4au | OK blackburst | OK |
| a cci (2 deni | | | | | | | | | |
| Mullica 1 | 1193 | 10 XT3 6U | 16.01.14 | 1080i 50Hz | Avid DNxH | 121 Mbps | 3in 3out 4au | Bad blackbur | Lost |
| Mullica 0 | 2264 | XT3 6U | 16.00.41 | | | | | Unknown black | Unknown |
| 🖯 🔴 RVN (3 dev | rices) | | | | | | | | |
| ag 10.129 0 | 1139 | 10 XT3 6U | 16.01.13 | | | | | OK | |
| Multica 21 | 5 1193 | 10 XT3 GU | 16.01.13 | 1080i 59.94Hz | Avid DNxH | 145 Mops | 4in 4out 4au | OK blackburst | OK |
| Multicam 26 | 6 1383 | 10 XT3 6U | 16.01.13 | 1080i 59.94Hz | Avid DNxH | 145 Mbps | 4in 4out 4au | Unknown black | Unknown |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | | | | | | | | | |
| Alerts | | | | | | | | | ¥ |
| Alert type: Alert | × | Alert: 53 Ack: 0 His | idien: 0 | | | | | | |
| Name Serv-IK | IP Address 10,129,150,19 | Oate 06.Nov.18 11:57:5 | Desc 6 Anal | ription | | | | Ack | |
| Serv-4K | 10.129.150.19 | 06-Nov-18 11:57:5 | CAM | A: audio embedi? | ed missing | | | - 2 | |
| Serv-4K | 10.129.150.19 | 06-Nov-18 11:57:5 | S CAM | B: audio embedd | ed missing | | | ÷. | |
| Serv-4K | 10.129.150.19 | 06-Nov-18 11:57:5 | CAM | D: audio embedd | ed missing | | | • | |
| Multicam-00 | 10.129.150.18 | 31-Oct-18 16:06.0 | SrvX | T36U Halted | | | | | |
| A308240 | 10.129.150.15 | 02-Nov-18 10:33:2 | 2 EVSI | Remote on RS422 | #1 disconnects | ed | | | |
| A308240 | 10.129.150.15 | 02-Nov-18 10:33:2 | B-OF | on RS422 P6 disc | connected | | | | |

Area Description

(5)

4)

The table below describes the various parts of Monitoring window:

| # | Window area | Description |
|----|----------------------|---|
| 1. | Menu bar | Menu giving access to the following items: on the right, the tabs to the various windows and associated functionality. "Menu Bar" on page 5. on the left, the commands to log in as an administrator mode and/or change the display mode "Standard User versus Administrator" on page 3. |
| 2. | Monitoring List area | Display of hosts organized in groups, as defined in the Configuration menu, Monitoring Configuration tab. "Description of the Monitoring List" on page 33. |



| # | Window area | Description |
|----|------------------------|---|
| 3. | Server Details area | Detailed information on the EVS server or on the EVS hardware selected in the Monitoring List. "Overview on the Server Details Area" on page 36 |
| 4. | Alert Information area | Area that allows users to display and acknowledge the alerts. "Description of Alerts Pane" on page 49 |
| 5. | Status bar | Status information about the polling service activity, and last refresh time. "Status Bar" on page 6. |

1.6. Menu Bar

General Description

The menu bar gives access to the various windows and associated functionality. You will find below a short description of the menu items.

Some menu items are only available when the user is logged on as an administrator. This is the case for the Configuration, Install and Keyword files menus, as well as for the icons on the right hand side.

| l | Monitorina | History | Configuration | Install | Extract log | Keyword files | Help 🔻 | 📩 🥔 😳 |
|---|------------|-----------|---------------|--------------------|-------------|---------------|--------|-------|
| | moning | rindidity | ooningerenen | THE REAL PROPERTY. | Excelor rog | regional mas | - neip | |

Area Description

The following table presents the items on the menu bar:

| Menu item | Description |
|----------------------|--|
| Monitoring window | Main window, that allows you to monitor the EVS server information, warnings and alerts. "Overview on the Monitoring Window" on page 31. |
| History window | Allows you to view archived information, warnings and alerts stored in the XNet Web database. "Event History" on page 63. |
| Configuration window | Allows you to configure the display of monitoring and alert information, and the polling services. Only available for users logged as administrator. "Configuration" on page 8. |
| Install window | Allows you to install or remove Multicam versions on EVS servers. Only available for users logged as administrator. "Multicam Upgrades" on page 65 |
| Extract logs window | Allows the extraction of server logs. "Description of the Extract Log Window" on page 76. |

| Menu item | Description |
|---------------|--|
| Keyword files | Allows the distribution of keyword files to EVS servers. Only available for users logged as administrator. "Description of the Keyword Files Window" on page 75. |
| Help | Allows accessing the: About window with the product full release number user manual Support web page |
| Icons | Allows accessing tools for remote control. "Remote Access to an EVS Server" on page 71. |

1.7. Status Bar

General Description

The status bar provides status information about the polling service activity, and specifies the last refresh time:

Last refresh on 2012-02-06 14:35:46 📌 | Idle

A Polling service IPD-A013990: trap config not OK

Area Description

The following table describes the items on the status bar, from left to right:

| Item | Description |
|-----------------|---|
| Last Refresh on | Last refresh date and time of the SNMP information. |
| Refresh button | Button to force a refresh of the SNMP information in the application. |



| Item | Description |
|------------------------|---|
| SNMP protocol activity | Information on the activity of the SNMP process, for example: |
| Polling status | Status of the SNMP polling. The following error messages can be displayed: At least one polling service must be managed: In this case, you should define a polling service as managed in the Configuration menu > Monitoring Configuration tab > Polling Services pane. Polling service <name> not responding: Polling service <name> not started:</name> In this case, you should start the polling service in the Configuration menu > Monitoring Configuration menu > Monitoring Configuration menu > Monitoring Configuration menu > Montoring Service in the SNMP polling service is not responding. </name> Polling service <name> not started: In this case, you should start the polling service in the Configuration menu > Monitoring Configuration tab > Polling Services pane. </name> Polling service <name> port 162 busy: In this case, there is a problem with the port 162. Check that no other service on the hardware hosting the polling service is using this port. </name> Polling service <name> trap config not OK: In this case, there is a problem with the trap registration in the Configuration menu > Trap Configuration tab. Make sure the IP of the polling service is properly registered on all hosts. "Managing Trap Targets" on page 27. </name> |

2. Configuration

2.1. Network Settings

Introduction

Should you face issues to set up XNet Web in your network, and should a network configuration be required, you will find the necessary network information in this section.

Description

Connection Client-Server

• Communication in HTTP on port 80 (bidirectional)

Connection Master Service - Polling Service

Both services are often installed on the same machine.

- Communication in HTTP on port 2280 (bidirectional)
- Communication in HTTP on port 2281 (bidirectional)
- Communication in HTTP on port 2282 (bidirectional)

Monitoring

- Monitoring protocol :SNMP
- Communication for the polling : TCP on port 161 (bidirectional)
- Communication of the SNMP traps : UDP on port 162 (outbound out of the server only)

Remote desktop and LSM Remote functions

• TCP 50000 (bidirectional)

Config Web

• Communication in HTTP on port 80 (bidirectional)



2.2. Display Profiles and Settings

2.2.1. General Display Settings

Introduction

You can modify some general display settings in the Settings window, Display tab, that you can open clicking the **Settings** icon in the upper right corner of the Monitoring window.

List of Settings

The editable settings are the following:

| Name | Description |
|------------------|--|
| Refresh period | Time interval (in seconds) for refreshing the information from the web server. |
| Temperature unit | Unit of temperature used in the application. The possible values are 'Celsius' or 'Fahrenheit'. Note that this unit selection does not apply to the temperatures measured on the boards of an EVS server. |

2.2.2. Using Display Profiles

Introduction

Depending on the context of use, users will request different monitoring information to be displayed in the Monitoring list of the Monitoring window. For this reason, two display profiles are available based on whether the EVS servers are monitored in a context of installation or operation. The display profiles are therefore named 'Installation' and 'Production' by default.

You can modify the definition of both display profiles, in other words the way the columns are displayed in the Monitoring list when the profile is enabled. "Customizing Display Profiles" on page 10.

NEW !

How to Enable a Display Profile

To enable a display profile, simply click the **Installation** or **Production** link in the upper right of the Monitoring window:



When a display profile is selected, the columns displayed in the Monitoring list of the Monitoring window, and the way they are ordered, are adapted accordingly.

2.2.3. Customizing Display Profiles

How to Access the Display Profile Definition

You can customize the display profiles, which define how the columns are organized in the Monitoring List area of the Monitoring window.

To access the display profile definition, proceed as follows:

1. Click the **Settings** icon on the upper right corner of the Monitoring window.

The Display Settings window opens.

2. Select the **Profile 1** (Installation profile) or **Profile 2** (Production profile) tab depending on the profile you want to modify.

Editing Actions on Display Profile Definition

| In order to | Proceed as follows |
|----------------------------------|---|
| Add a column to the profile | Select the requested column in the list of available columns (left). Click the icon. The column is added to the list of selected columns (right). |
| Remove a column from the profile | Select the requested column in the list of selected columns (right). Click the column is removed from the list of selected columns (right) and is added to the list of available columns (left). |

All actions described below need to be validated by clicking the **Apply** button:



| In order to | Proceed as follows | |
|---|---|--|
| Change the position of columns in the profile | Select the requested column in the list of selected columns (right) Do one of the following: a. Click the or icon to move the column respectively one position up or down in the list. b. Click or icon to move the column respectively to the beginning or end of the list. The column is at the desired position in the list. | |
| Reset the column list and order for the profile | Click the Reset columns button at the top of the tab. The list of selected columns is reset to the default list, with the default column order. | |
| Change the name of the display profile | Click in the Profile name field at the top of the tab. Type the requested name for the profile. | |

2.3. Monitoring Configuration

2.3.1. Overview of the Monitoring Configuration Tab

Introduction

You can access the Monitoring Configuration window by clicking the Configuration menu, then the Monitoring Configuration tab.

The Monitoring Configuration window is organized in two main panes:

• Tree Configuration on the left hand side.

It allows administrators to configure the tree structure of monitored devices that will be displayed in the Monitoring window, and used in other windows.

• Polling Services on the right hand side.

It allows administrators to configure and manage the polling services. The polling services query continuously the individual monitored devices via SNMP and get information from the devices.

Illustration

Within the above-mentioned two main panes, the Monitoring Configuration window contains five areas highlighted on the screenshot below:

| 1 | 2 | 3 4 | 5 |
|--|--|--|---|
| Monitoring History Configuration Install Monitoring Config Trap Config Alert Config | Extract log Keyword files Help + | | E Logout |
| Tree Configuration | | Polling Services | |
| Internet Device Image: Control of Con | Descented fortical IM QL III (13) (13) (13) (13) (13) (13) (13) (13) | Stat Stap New Advess New Advess Wit 178018 Macaged Palling Status Tag Stat Palling Fands 200 (Sciel) Palling Fands Palling Fands | Imm ML100 D Dec (6 decret) I D Dec (7 decre)< |

Area Description

The table below describes the various areas of the Monitoring Configuration window highlighted on the illustration above, and briefly explains what they are used for:

| Part | Name | Description |
|------|----------------------------|--|
| | Tree Configuration | "Description of the Tree Configuration Pane" on page 14. |
| 1. | Monitored Devices area | It allows administrators to structure the list of monitored devices (hosts) in a tree view organized in server groups. The Monitoring List on the Monitoring window reflects this tree view structure. "Organizing Monitored Devices" on page 18 |
| 2. | Discovered Devices area | It lists the hosts the system has discovered on the network. The hosts are not directly available in the application: you need to launch a global discovery process, or specify an IP address or a range of IP addresses that will be checked for identifying hosts. "Discovering New Devices" on page 16 |
| | Polling Services | "Description of the Polling Services Pane" on page 19 |



| Part | Name | Description |
|------|--|--|
| 3. | Polling Services List area | It lists the existing polling services, and allows administrators to enable a polling service, as well as to start or stop it. "Configuring and Managing a Polling Service" on page 23 |
| 4. | Monitoring Settings area | It allows administrators to define the monitoring settings relevant for polling services, and for alerts using thresholds. "Description of the Polling Services Pane" on page 19. |
| 5. | Polling Service Configuration area | It allows administrators to specify which monitored devices each enabled polling service will manage. "Configuring and Managing a Polling Service" on page 23. |

2.3.2. Setting up Monitored Devices

Description of the Tree Configuration Pane

Overview

The Tree Configuration pane, in the Monitoring Config tab of the Configuration menu, consists of the following areas, displayed in the screenshot below:

| Part | Name | Description |
|---|--|---|
| 1. | Monitored Devices | Area where you organize the hosts you want to monitor |
| 2. | Discovered Devices | Area where you identify and manage the list of hosts discovered on the network |
| Monitoring Honitorin Tree Confi Monitore | History Configuration Install E g Config Trap Config Alert Config g config Trap Config Trap Config g config </th <th>Classicovered Devices Image: Several Device</th> | Classicovered Devices Image: Several Device |
| 46 | 12 172 16 31 6 2 JMI 2 GBR_JMI_Integration 1 POIRECTOR58920 1 POIRECTOR72900 R&D CBI-YFI 2 AGD 172 16 10 30 172 16 10 32 2 172 16 20 30 | ASTRO 1 TXT 82860 XT 24180 XT 51740 XX 51740 XX 24640 Protocol 1 Master04 XX[3] 1 172.10.58.5 M6 XX 82880 |

Last refresh on 2012-02-02 15:17:29 😯 | Idle



Area Description

Monitored Devices

The table below presents the elements of the Monitored Devices area.

For more information on organizing the tree view, "Organizing Monitored Devices" on page 18.

| GUI Element | Description |
|---|--|
| XNet tree root RAD JVI-VHA IPDIRECTOR71980 IPDIF900 IT72.16.10.10 ICXT2+TEST ICOnfig 2/2 SD ICXT2 #5 | This is always the root of the tree structure. You do not have to create it. |
| Group node | Groups that include one or more hosts. You cannot add a host directly below the XNet root. You first need to define a group. |
| Monitored devices | Hosts that have been added to a group. To add a host to a group, select a host from the list of discovered devices, and drag it to the requested group in the Monitored Devices area. |
| Add button | Button used to add a group to the tree structure |
| Remove button | Button used to remove a selected group from the tree structure |

Discovered Devices

The table below presents the elements of the Discovered Devices area.

For more information on discovering new devices, "Discovering New Devices" on page 16.

| GUI Element | Description |
|-------------------|---|
| Discovered device | Each element of the list in the Discovered Devices area is a host (EVS server or PC) that has been discovered and is not monitored. It is highly recommended to remove discovered devices that are not monitored to prevent a reduction of the polling performances. |
| Add button | Button used to open a dialog box that allows you to discover new hosts using an individual IP address or a range of IP addresses. |
| Remove button | Button used to remove a selected host from the list of discovered devices. |
| Magnifier button | Button used to launch the discovery process. |

Discovering New Devices

Introduction

The first task you should fulfill when you start working with XNet Web consists of identifying the hosts (EVS servers and other EVS hardware) you want to monitor. This is the first stage for defining the hosts you will monitor.

You will discover new hosts in the Configuration menu > Monitoring Config tab > Tree Configuration pane > Discovered Devices area.

Once the hosts are discovered, you can add them to the tree of monitored devices, and organize the tree structure. For more information on this step, "Organizing Monitored Devices" on page 18.

Host Discovery Methods

Three methods can be used to discover new hosts:

- Discovering a individual host using its IP address
- Discovering the hosts that belong to a range of IP Addresses
- Discovering automatically all hosts available on the network

Warning

It is highly recommended to remove discovered devices that are not monitored to prevent a reduction of the polling service performances.



How to Discover New Hosts Using IP Addresses

To discover new hosts using their IP address or a range of IP addresses, proceed as follows:

1. In the Monitoring Configuration window, right-click the sign on the upper right corner of the Discovered Devices area in the Tree Configuration pane:

| Tree Configuration | | | | |
|--------------------|-----|--------------------|---|----|
| Monitored Devices | + × | Discovered Devices | + | XQ |
| 🖌 🦳 XNet | * | XT 29280 | | |
| | | | | |

The following dialog box opens:

| Settings | × |
|-----------|----------------------------|
| Mode: | Single |
| | Range |
| Start IP: | 172.16.0.1 |
| Stop IP: | 172.16.255.255 |
| | OK Cancel |

- 2. You can discover new devices in one of the following ways:
 - Discover a single host by selecting the Single mode and typing the IP address of the host you want to identify in the Start IP field.
 - Discover the hosts in a range of IP addresses, by selecting the Range mode and typing the first IP address and the last IP address of the range XNet Web has to search for.
- 3. Click OK.

The hosts that are discovered are added to the list of discovered devices in the Discovered Devices area.

How to Automatically Discover Hosts

To launch an automatic discovery of all EVS servers present on the network, click the

magnifier button on the top right corner of the Discovered Devices area.

The automatic discovery feature can be used to discover EVS servers, not other EVS hardware.

How to Remove Discovered Hosts

To remove one or more discovered devices, proceed as follows:

- 1. Select the host(s) you want to remove from the list of discovered devices using one of the following method:
 - Click on a host for a single selection
 - CTRL + click for a multiple non-contiguous selection
 - CAPS LOCK + SHIFT + click for a multiple contiguous selection
- 2. Click the **Remove** button **M** on the top right of the Discovered Devices area.

Organizing Monitored Devices

Process Overview

Before you can organize monitored devices in the tree view, you need to have discovered the hosts you want to monitor. "Discovering New Devices" on page 16.

Organizing monitored devices consists of the following main steps:

- 1. Creating empty groups below the XNet root in the Monitored Devices area.
- 2. Adding discovered devices to the created groups by dragging and dropping the requested devices from the Discovered Devices area to the requested group in the Monitored Devices area.

Possible Actions

The table below presents the possible actions in the Monitored Devices area:

| In order to | Proceed as follows |
|---------------------------|---|
| Create a new group | Click the button in the upper right corner of the Monitored Devices area and type the name for the new group. |
| Rename an existing group | Click the group label in the tree and type a new name for the group. |
| Move an existing group | Select the group icon of a group node, and drag it to the requested position in the tree. During the drag operation, the requested position is symbolized by a thin dotted blue line. You cannot insert a group into another group: If you drop a group into another group, the moved group will be positioned at the end of the server group where it was dropped. |



| In order to | Proceed as follows |
|---|--|
| Remove a group | Select the group label and click the button in the upper right corner of the Monitored Devices area. If the group is not empty, you will be prompted to confirm the deletion. |
| Add a discovered device to a group | Drag and drop the selected discovered device into the requested group defined in the Monitored Devices area. If you drag the device into the group name as illustrated below, the device will be dropped at the end of the group: |

2.3.3. Managing Polling Services

Description of the Polling Services Pane

Overview

The polling services allow the transfer of information from the EVS servers and other EVS hardware to the web server.

They continuously query the individual devices using the SNMP protocol, and get updated information from the devices when available.

The Polling Services pane, in the Monitoring Config tab of the Configuration menu, consists of the following areas, displayed in the screenshot below:

| Part | Name | Description |
|------|----------------------------------|---|
| 1. | Polling Services List | Lists the available polling services, and allows administrators to enable the polling services, start or stop them. |
| 2. | Monitoring Settings | Allows administrators to define settings for polling services. |
| 3. | Polling Service Configuration | Allows administrators to define which devices the managed polling services will monitor. |

| C | P | | (| 2) | | | | 3 | | |
|-------------------------|--------------------------|---------------|-------------------------------|-------|---------|------|---|----------------|-------------|------|
| | | | | | | | | | | pout |
| | | | | | | | | | | |
| Polling Services | | | | | | | | | | |
| Start Stop | | | | | | | | Name | IPD-A01 | |
| Name | Address | Managed | Polling Status | | Trap St | atus | | RAD JVI-VHA | (6 devices) | 1 |
| IPD-A013990 | localhost 2280 | 1 | Polling 172.16.10.30 (host 2) | 11) | 0 | ^ | | IPDIRECTOR? | 19 🗸 | |
| BEWJMI | 10.11.11.120:2280 | | Polling 172.16.40.66 (host 1 | (108) | 0 | | | IPD67900 | V | |
| DBA655390 | DBA655390:2280 | | Not managed | | | = | | 172.16.10.10 | V | |
| XStoreN-A000000 | XStoreN-A000000: | | Not managed | | | | | XT2+TEST | V | = |
| BELGMRCP2 | BELGMRCP2:2280 | | Not managed | | | • | | Config 2/2 SD | v. | |
| < [| | m | | | | - F | | XT2 #5 | V | |
| Monitoring settings | of IPD-A013990 | | | | | | | RAD NER-CER | JMI (9 devi | 4 |
| | lass | - 1 | | | | | | XT[2] | V | |
| Poling Period (Sec): | 300 | _ | | | | | | TTTXT[3] 1 | V | |
| SNMP time out | 5000 | _ | | | | | | XT3 2 | V | |
| (mSec): | 1.000 | | | | | | | 172.16.31.6 | V. | |
| ICMP time out | 500 | | | | | | | IMI, DTM | V | |
| (mSec): | | | | | | | | CBR_JMI_Inte | gr V | |
| Local dip | 4000 | | | | | | | Harris | V | |
| direstidu: | la. | _ | | | | | A | IPDIRECTOR | seg 🔽 | |
| threshold (5-20%): | 5 | | | | | | - | | 29 V | |
| The local clip three | shold and the remaining | capacity thre | shold will | | | | | CRAD CRI-VFI (| 4 devices) | |
| be applied during | the next poling of the s | ervers | | | | | | - AUG | | • |
| | | | | | | | | | F | |

Area Description

Polling Services List

| Start Stop | | | | | |
|-----------------|-------------------|----------|------------------------------------|-------------|----------|
| Name | Address | Managed | Polling Status | Trap Status | |
| IPD-A013990 | localhost:2280 | V | Polling 172.16.20.53 (host 73/104) | V | <u>^</u> |
| BEWJMI | 10.11.11.120:2280 | V | Polling 172.16.20.20 (host 95/101) | 0 | |
| DBA655390 | 172.16.56.22:2280 | | Not managed | | - |
| XStoreN-A000000 | 172.16.56.90:2280 | | Not managed | | - |
| DELL_LP | DELL_LP:2280 | | Not managed | | - |
| • | | | | • | |

The table below presents the elements of the Polling Services List.

For more information on managing and starting polling services, "Configuring and Managing a Polling Service" on page 23.

| GUI Element | Description |
|--------------|--|
| Start button | Button used to restart all managed polling services that have been stopped. |
| Stop button | Button used to stop all polling services enabled (set as 'managed') in the list of polling services. |



| GUI Element | Description |
|----------------|--|
| Name | Windows name of the hardware on which the polling service is installed. |
| Address | Name or IP address of the computer on which polling service is installed, and communication port (2280): Iocalhost: 2280: Value specified when the polling service is installed on the web server. <xxx.xxx.xxx.xxx> : 2280: The IP address is specified when the polling service is distant, and is or has already been managed.</xxx.xxx.xxx.xxx> <name> : 2280: The Windows name of the hardware is specified when the polling service is distant, and is not and has never been managed.</name> |
| Managed | Check box to enable the polling service. When the polling service is enabled (Managed check box selected), it automatically starts querying the devices assigned to it in the Polling Service Configuration area, and managing the SNMP information. |
| Polling Status | Operational status of the polling service. The following statuses can be displayed: Not Managed The Polling service is not active as the Managed check box for this polling service is not selected. Polling xxx.xxx.xxx (host YY/ZZ) IP address of the host that is being polled. The information between brackets specifies the position of the host in the total number of devices monitored by the polling service. Waiting <xxx>/<yyy> sec It a counter (in seconds) before the next polling period starts for this polling service.</yyy></xxx> |
| Trap Status | Status that indicates whether the trap messages are correctly received. The following statuses can be displayed: The trap messages are correctly received. The trap messages are not correctly transmitted. <nothing>: The status of the trap message transmission is not known.</nothing> |

Monitoring Settings

The monitoring settings of the polling service selected in the Polling Services list are displayed below the list.

| Monitoring settings of IPD-A013990 | | | | | |
|---|------|--|--|--|--|
| Polling Period (Sec): | 300 | | | | |
| SNMP time out (mSec): | 5000 | | | | |
| ICMP time out (mSec): | 500 | | | | |
| Local clip threshold: | 4000 | | | | |
| Rem. capacity threshold (5-20%): | 5 | | | | |
| The local clip threshold and the remaining capacity threshold will be applied during the next polling of the servers | | | | | |

The table below presents the elements of the Monitoring Settings.

| GUI Element | Description |
|-------------------------|--|
| Polling Period | Time period in seconds during which the polling service will wait between two series of queries to all hosts. The default value is 300 seconds. |
| SNMP time out | Time period in milliseconds after which the application will generate an error message if the SNMP communication between the EVS servers and the polling services cannot be established. The default value is 5000 milliseconds. |
| ICMP time out | Time period in milliseconds after which the application will generate an error message if the internet communication between the master service and the clients cannot be established. The default value is 500 milliseconds. |
| Local clip threshold | Number of clips stored on the EVS server above which the application will generate an error message. The default value is 4000 clips. |
| Rem. capacity threshold | Remaining disk capacity on an EVS server (defined in percents) below which the application will generate an error message. The default value is 5%. |



Polling Services Configuration

| Name | IPD-A01 | BEWJMI | |
|---------------------|---------------------|---------------------|---|
| 🖻 R&D JVI-VHA (6 de | vices) | | - |
| IPDIRECTOR719 | V | V | |
| IPD67900 | ✓ | ✓ | |
| 172.16.10.10 | V | V | |
| XT2+TEST | V | | |
| Config 2/2 SD | V | V | Ξ |
| XT2 #5 | V | | |
| R&D NBR-CBR-JMI | (10 devices | 5) | |
| XT[2] | V | V | |
| 172.16.31.3 | | | |

In the Polling Services Configuration area, you will find:

- The host tree, with all the groups and monitored devices that are defined in the Monitored Devices area.
- A column is displayed for each polling service set as 'managed' in the Polling Services list.

If you want a host to be managed by a polling services, tick the check box of the host in the column of the requested polling service.

For more information on defining which polling service will manage a device, "Configuring and Managing a Polling Service" on page 23.

Configuring and Managing a Polling Service

Introduction

This topic explains the steps to be performed from the XNet Web Monitor interface to make sure that a polling service is properly configured and operational.

All steps are performed in the Configuration menu > Monitoring Config tab> Polling Services pane."Discovering New Devices" on page 16 for more information on the various areas of this pane mentioned below.

Prerequisite(s)

To be able to configure and run a polling service, you first need to define the tree of monitored devices in the Configuration menu > Monitoring Config. tab > Tree Configuration pane > Monitored Devices area.

Procedure

To configure and run a polling service, proceed as follows:

1. In the Polling Services List, select the row corresponding to the polling service you want to configure.

The Monitoring Settings for the selected polling service are displayed in the Monitoring Settings area below the Polling Services List.

2. In the Monitoring Settings area, modify the monitoring settings for the selected polling service, if requested.



Warning

If you modify the threshold values and the following message appears in the

Polling Services List area A Invalid threshold configuration, it means that two or more polling services manage an EVS server with different threshold parameters. As this situation leads to inconsistent alerts, it is highly recommended to set the same threshold values for all polling services that manage the same server.

3. In the Polling Services List, tick the **Managed** check box of the polling service you want to configure and run.

| Start Stop | | | | |
|-----------------|-------------------|---------|----------------------------------|---|
| Name | Address | Managed | Polling Status | |
| IPD-A013990 | localhost:2280 | R | Not managed | * |
| BEWJMI | 10.11.11.120:2280 | ₽2 | Polling 10.11.12.255 (host 96/10 | _ |
| XStoreN-A000000 | 172.16.56.90:2280 | | Not managed | = |
| DELL_LP | DELL_LP:2280 | | Not managed | - |
| DBA655390 | DBA655390:2280 | | Not managed | Ŧ |
| • | | | • | |



4. In the Polling Services Configuration area, associate the devices to be monitored to the polling service.

To do this, tick the check boxes in the intersection between the row of the devices to be monitored and the polling service that should manage this device. Repeat this operation for all devices to be monitored by the given polling service.

| Name | IPD-A01 | BEWJMI | | | |
|--------------------------------|---------------------|---------------------|--|--|--|
| 🖯 R&D JVI-VHA (7 de | evices) | | | | |
| IPDIRECTOR719 | | V | | | |
| IPD67900 | 15 | V | | | |
| 172.16.10.10 | V | V | | | |
| XT2+TEST | ✓ | V | | | |
| Config 2/2 SD | V | ✓ | | | |
| XT2 #5 | ✓ | V | | | |
| 172.16.10.40 | ✓ | V | | | |
| 🕒 R&D NBR-CBR-JMI (10 devices) | | | | | |
| XT[2] | V | V | | | |
| 172 18 21 2 | | | | | |

5. In the Polling Services List, check that the polling status regularly displays 'Polling ...', which means the polling service is started.

Otherwise, click the Start button above the Polling Services List.

2.4. Trap Configuration

2.4.1. Description of the Trap Configuration Tab

Overview

You can access the Trap Configuration window by clicking the **Configuration** menu, and the **Trap Configuration** tab.

The Trap Configuration window displays the host tree (EVS servers or other EVS hardware). For each host, the list of IP addresses of the computers registered to the host to receive its SNMP trap messages. Such a computer is called a trap target.

The trap targets can be computers that host the XNet Web Monitor interface or a polling service of XNet Web.

The Trap Configuration window contains the areas or buttons highlighted on the screenshot below:

| | 2 | | | | | | | | | | | 3 | | | | | | | | |
|-------------------------|---------------|---------------------|----------|-----------------|-------|----------------|---|----------------|---|----------------|---|----------------|---|----------------|---|----------------|---|----------------|---|-------------|
| Monitoring History | Configura | ation Install I | Extrac | t log Keyword | files | Help + | | | | | | T. | | | | | | | | Logout |
| Monitoring Config | Trap Conf | ig Alert Config | | | | | | | | | | | | | | | | | | |
| Name | Status | IP address1 | | IP address2 | | IP address3 | | IP address4 | | IP address5 | | IP address6 | | IP address7 | | IP address8 | | IP address9 | | IP address1 |
| Doc (6 devices) | | | | | | | | | | | | | | | | | | | | |
| EVSServerADL | 0 | 10.128.3.153 | × | 10.135.2.137 | × | 10.128.3.152 | × | WL1700016 | × | 10.135.2.110 | x | | | | | | | | | |
| XT3-PGE | 0 | 10.135.2.137 | × | 10.128.3.152 | × | 10.128.24.137 | x | WL1700016 | × | | | | | | | | | | | |
| XT3 PLAY | 0 | 1.2.71.63 | × | 10.129.59.42 | × | 10.129.59.41 | × | WL1700016 | × | | | | | | | | | | | |
| IPDA183680 | 0 | 1.2.71.63 | × | WL1700016 | × | | | | | | | | | | | | | | | |
| IPDA260760 | 9 | WL1700016 | × | | | | | | | | | | | | | | | | | |
| IPDA260770 | 0 | WL1700016 | × | | | | | | | | | | | | | | | | | |
| 🕀 Test (10 devices) | | | | | | | | | | | | | | | | | | | | |
| FDR-XT02-SN11 | A | 10.129.0.151 | × | 10.129.0.147 | × | 10.129.111.129 | × | 10.129.110.39 | × | 10.129.4.55 | x | 10.129.111.202 | × | 10.143.68.5 | x | 10.129.4.63 | × | 10.129.110.155 | × | 10.128.26 |
| FDR-XT03-SN1 | A | 10.129.110.155 | × | 10.129.4.110 | × | 10.0.2.15 | × | 10.129.110.175 | × | | | | | | | | | | | |
| FDR-XT4K-SN1 | A | 10.129.110.155 | × | 10.128.26.61 | × | 10.143.68.5 | × | 10.129.1.57 | × | 10.129.4.66 | x | 10.135.2.137 | × | 10.143.68.25 | × | 10.129.122.210 | × | 10.129.110.234 | × | 10.129.110 |
| FDR-XT01-SN1 | A | 10.129.4.217 | × | 10.129.110.175 | × | 10.129.111.129 | × | 10.129.110.234 | × | 10.129.110.155 | x | 10.129.4.95 | × | 10.129.1.17 | × | 10.129.4.110 | × | 10.129.4.73 | × | 10.129.4 |
| A162450 | A | 10.129.110.39 | × | 10.129.110.234 | × | 10.129.0.117 | × | 10.129.4.80 | × | 10.143.68.25 | × | 10.129.110.155 | × | 10.129.111.202 | × | 10.129.4.110 | × | 10.129.110.235 | × | 10.128.3. |
| Multicam | 0 | WL1700016 | × | 10.129.110.39 | × | 10.129.110.235 | × | 10.129.110.175 | × | 10.129.4.95 | х | 10.129.110.155 | × | 10.129.4.66 | × | 10.129.4.177 | × | 10.129.110.171 | × | |
| PCL-XT03 | 0 | WL1700016 | × | 10.129.110.155 | × | 10.129.110.235 | × | 10.129.4.99 | × | 10.129.110.234 | х | 10.129.110.175 | × | 10.129.111.129 | × | 10.128.26.116 | × | 10.129.4.66 | × | 10.129.4 |
| PCLXT04 | A | 10.129.110.155 | ж | 10.129.110.39 | ж | 10.129.110.235 | ж | 10.129.110.175 | ж | 10.128.29.46 | х | 10.129.0.220 | ж | 10.129.122.193 | х | 10.128.24.182 | × | 10.129.110.234 | × | 10.129.111. |
| EPSIO-A256340 | 0 | 10.129.110.155 | × | 10.129.4.63 | × | 10.129.110.234 | × | 10.129.122.210 | × | 10.129.111.158 | х | 10.129.110.235 | х | WL1700016 | × | | | | | |
| IPDA177850 | A | 10.129.4.50 | × | 10.129.111.129 | × | 10.129.4.98 | × | 10.129.4.132 | × | 10.129.4.160 | х | 10.129.4.51 | × | 10.129.110.175 | × | 10.129.110.171 | × | 10.129.110.155 | × | 10.128.24 |
| 4 | | | | | | | | | | | | | | | | | | | | |
| Desister Delling Capita | | at a bran barrat is | | | | - | | | | | | | | | | | | | | |
| Register Poling Service | Sele | ct a trap target | <u> </u> | Remove trap ta | | | | | | | | | | | | | | | | |
| Trap re | egistration r | st started | | | | | | | | | | | | | | | | | | |
| Last reresh on 2017-07 | -17 15:55:4 | n ldle | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| $\hat{\mathbf{A}}$ | 6 | | | | | | | | | | | | | | | | | | | |
| <u> </u> | 0 | | | | | | | | | | | | | | | | | | | |

Area Description

The table below describes the various parts of the Trap Configuration window:

| Part | Name | Description |
|------|-------------------------|---|
| 1. | Host tree | List of the monitored devices to which polling services (of XNet Web) or XNet Web applications can be registered. |
| 2. | Trap Status icon | Global trap status of the polling services registered for the corresponding host: ✓ when all polling services managing the host ("Polling Services Configuration" on page 23) are registered as trap targets to the host. ▲ when one (or more) polling services managing the host is/are not registered as trap target(s) to the host. ▲ when none of the polling services managing the host are registered as trap targets to the host. This status icon does not take into account trap targets for the XNet Web Monitor interface. |
| 3. | IP Addresses columns | List of all IP addresses of computers (max. 10 per host) registered as trap targets to the corresponding host. If the trap target is a registered polling service, its name will be displayed in black. If the trap target is a computer hosting XNet Web, the registered IP Address will be displayed in gray. The button on the right of the trap target allows removing this trap target for the given device. |



| Part | Name | Description |
|------|-------------------------------------|--|
| 4. | Register Polling Services button | Button that allows administrators to register polling services as trap targets to all the hosts the active polling services manage. |
| 5 | Remove Trap Target button | Button that allows administrators to remove, in one go, a trap target from all hosts it is registered to. This button is used in combination with the drop-down list on the left hand side, which allows the selection of the trap target to be removed. |
| 6 | Trap Registration status bar | Status bar showing the progress of the trap registration or unregistration, when the Register Polling Services button or Remove Trap Targets button is used. |

2.4.2. Managing Trap Targets

Concept of Trap Target

A trap target is the IP address of a computer registered to a host to receive SNMP trap messages. This can be a machine hosting XNet Web or a polling service of XNet Web.

- The trap target for a machine hosting a polling service is defined by the name of the polling service (itself associated to an IP address).
- The trap target for a computer hosting XNet Web is identified by an IP address.

The trap targets are managed in the Configuration menu > Trap Config tab.

Registering Polling Services as Trap Targets

Introduction

From XNet Web, you can only register polling services as trap targets. You cannot register computers hosting the XNet Web Monitor interface.

In XNet Web, you will typically register the polling services as trap targets directly after you have configured the polling services in the Monitoring Configuration tab. "Configuring and Managing a Polling Service" on page 23.

Procedure

To register the managed polling service as trap targets, simply press the **Register Polling Services** button in the Trap Configuration tab. The Trap Registration status bar shows the progress of the registration process.

The polling service is automatically registered to all hosts it manages where at least one IP address is available.

Note

If all IP addresses are used for a given host, the trap status icon for this host will remain orange or red, indicating that at least a polling service managing the host is not registered. In this case, remove a trap target, and repeat the automatic registration process.

Removing a Trap Target

Introduction

You can remove a trap target in two ways:

- Removing a trap target associated to a given host
- Removing a trap target from all hosts it is associated to

Removing the Trap Target for a Given Host

To remove a trap target for a given device, click the button next to the trap target name or IP address 172.16.56.20 in the row of the requested host.

Removing the Trap Target for all Associated Hosts

To remove a trap target from all hosts it is associated to, proceed as follows:

- 1. At the bottom of the Trap Configuration tab, select the trap target to remove in the Trap Target drop-down list.
- 2. Click the Remove Trap Target button on the right of the drop-down list.

The selected trap target is removed from all hosts to which was registered in the list.


2.5. Alert Configuration

2.5.1. Description of the Alert Configuration Tab

Overview

You can access the Alert Configuration window by clicking the Configuration menu, and the Alert Configuration tab.

The Alert Configuration tab displays the host tree. Next to each host, check boxes for each alert allow disabling the display of the alert in the Monitoring tab by ticking the corresponding check box.



Disabling an alert can be useful, for example, for alert messages on the GbE port2 status when this GbE connector is not used, hence not cabled. Disabling the alert on the GbE port2 Status in this case would prevent the EVS server status to be red for an alert message that is not relevant.

Illustration

The Alert Configuration tab contains the main areas highlighted on the screenshot below:

| Clear all | | | | | | Hide an ale | rt for a particular d | evice by checkin | g the correspond | ing box | | | |
|---------------------|----------------|-------|-----|----------------|----------------|---------------|-----------------------|------------------|------------------|------------|-------------|-----------|------|
| Name | Polling Status | State | PSU | LAN PC1 Status | LAN PC2 Status | Gbe port1 Sta | Gbe port2 Sta | Controller | Genlock | Analog LTC | Local Clips | DB Status | Xnet |
| Select-unselect all | | | | | | | | | | | | | |
| Select-unselect all | | | | | | | | | | | | | |
| Doc (6 devices) | | | | | | | | | | | | | |
| EVSServerADL | <u> </u> | [7] | | <u></u> | | []] | v | · · · · · | | | | | |
| TTT XT3-PGE | | | | | | | | | | | | | |
| KTC XT3 PLAY | | | | | | | | | | | | | |
| PDA183680 | | | | | | | | | | | | | |
| IPDA260760 | | | | | | | | | | | | | |
| PDA260770 | | | | | | | | | | | | | |
| Test (10 devices) | | | | | | | | | | | | | |
| FDR-XT02-SN117050 | | | | [7] | | | v | · · · · | | | | <u> </u> | |
| FDR-XT03-SN128190 | | | | | | | | | | | | | |
| FDR-XT4K-SN161050 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| A162450 | | | | | | | | | | | | | |
| Multicam | | | | | | | | | | | | | |
| PCL-XT03 | | | | | | | | | | | | | |
| PCLXT04 | | | | | | | | | | | | | |
| EPSIO-A256340 | | | | | | | | | | | | | |
| PDA177850 | | | | | | | | | | | | | |

Area Description

The table below describes the various areas in the Alert Configuration tab:

| Part | Name | Description |
|------|-------------------------|---|
| 1. | Host tree | List of the monitored devices, for which alerts can be generated. |
| 2. | List of possible alerts | List of fields (from the Server Details area) for which an alert can be generated. |
| 3. | Check boxes | Check boxes that allow enabling or disabling the generation of a given alert for a given host: If the check box is not selected (default), the alert is active. It means: The alert will appear in the category Alert (active alerts) in the Alert pane. The corresponding error message will be displayed in red or orange in the Monitoring List (if relevant) or Server Details areas. If the check box is selected, the alert is NOT active. It means: The alert will not appear in the category Alert (active alerts) in the Alert pane. It will however appear when you select the Hidden category in the Alert pane. The corresponding error message will be displayed in a thick gray font in the Monitoring List (if relevant) or Server Details areas. |
| 4. | Clear All button | Button that allows deselecting all the check boxes at once, this way reactivating all alert messages on all hosts. |

3. Monitoring

3.1. Overview on the Monitoring Window

Introduction

The Monitoring window is the main window in XNet Web.

It gives access to the current SNMP information and alerts on all monitored EVS servers and EVS hardware.

Illustration

The Monitoring window contains three panes highlighted on the screenshot below and described in the table below:



Area Description

The table below describes the various areas of the Monitoring window.

| Part | Name | Description |
|------|-----------------|---|
| 1. | Monitoring List | List of EVS Servers and other EVS hardware organized in groups, and related SNMP information. "Description of the Monitoring List" on page 33 |
| 2. | Server Details | List of all SNMP information of the EVS server or EVS hardware selected in the Monitoring List or in the Alert List. The SNMP information on EVS servers is organized in four tabs: Status tab Storage tab Hardware tab Code tab Temperature tab The SNMP information on other EVS hardware only contains a Status tab. "Server Details" on page 36. |
| 3. | Alerts | List of alerts The displayed alert types are configured in the Alert Configuration tab. "Alert Configuration" on page 29. |



The Server Details and Alerts panes can be displayed or hidden by clicking the split boxes on the pane borders.

Display of Monitoring Information

The information displayed on the Monitoring window will be displayed in different ways depending on the information type:

| Color | Information Type |
|----------|---|
| black | Information providing a normal status, or acknowledged alert. |
| orange | warning |
| bold red | alert |
| gray | hidden alert |



3.2. Monitoring List

3.2.1. Description of the Monitoring List

Overview

The Monitoring List area shows the groups of EVS servers and other EVS hardware, their status, and a set of parameters on each hardware.

The Monitoring List pane contains the areas highlighted on the screenshot below:

| 1 | 2 | 3 | | | | | | | | | |
|--------------------|---------------------|--------------|---------------|------------|---------------|-------------|------------|---------------|------------|----------------|-----------|
| Name | Po ling Status | Product Type | State | Net Number | Net Type | Base Config | Video Std | Genlock | Analog LTC | Gbe Port1 IP A | GigE Open |
| 🗉 🔵 Doc (6 devices | E Doc (6 devices) | | | | | | | | | | |
| EVSServerADL | ICMP timeout | XT3 6U | Running | 1 | Master | MulticamLSM | 1080i 50Hz | OK blackburst | ок | 10.129.59.21 | 0/6 |
| TT3-PGE | OK - 00:03:29 | XT3 6U | Running | 2 | Server | Spotbox | 1080i 50Hz | OK blackburst | ок | 10.129.59.23 | 0/6 |
| TT3 PLAY | OK - 00:02:59 | XT3 6U | Running | 2 | NotApplicable | Spotbox | 1080i 50Hz | OK blackburst | ок | 10.129.59.33 | 0/26 |
| PDA183680 | OK - 00:02:51 | IPDirector | Running | | | | | | | | |
| 🕀 🔴 Test (17 devic | E Test (17 devices) | | | | | | | | | | |
| FDR-XT02-SN | OK - 00:01:43 | XT3 6U | InMaintenance | 2 | NotApplicable | MulticamLSM | 1080i 50Hz | OK blackburst | ОК | 10.129.112.2 | 0/6 |
| FDR-XT03-SN | OK - 00:01:42 | XT3 6U | Running | 3 | Master | Spotbox | 1080i 50Hz | OK blackburst | ОК | 10.129.112.3 | 0/6 |
| FDR-XT4K-SN | OK - 00:01:42 | XT4K | Running | 4 | Server | MulticamLSM | 1080i 50Hz | OK blackburst | ок | 10.129.112.4 | 0/6 |

Area Description

The table below describes the various parts of Monitoring List area:

| Part | Name | Description |
|------|----------------|--|
| 1. | Column heading | Type of information available in the given column. The columns available in the Monitoring List are selected and ordered as defined in the Display Profile definition. For more information, "Customizing Display Profiles" on page 10. |
| 2. | Group node | Group of servers. It displays the following elements, from left to right: Group status (colored bullet): The group inherits the status of the servers of its group, with priority to red, gray, and then green. Group name Number of EVS servers or hardware in the group The server list of a group can be collapsed or expanded with the expand button (+/-) in front of the group name. The definition of groups and the tree structure are configured in the Monitoring Configuration tab. For more information, "Setting up Monitored Devices" on page 14. |

| Part | Name | Description |
|------|-------------|---|
| 3. | Server List | Information on EVS servers and other EVS hardware belonging to a group. For more details on the fields available in this section, "Fields in the Monitoring List" on page 34. Clicking on a row corresponding to an EVS server or other hardware will display the detailed information on this host in the Server Details area. |

3.2.2. Fields in the Monitoring List

The list of fields described in the table below is not exhaustive. It includes the fields available in the default Display Profile 2 (Production).

It provides a short definition of the field. "List of Possible Alerts" on page 53 for more information on possible values for these fields.

| Name | Description |
|----------------|---|
| Name | name of the EVS server. The name displayed is assigned in the following order of priority, based on whether a value is assigned or not: facility name, net name or IP address. A color circle in front of the EVS server indicates its status: green: no active alert present for the server red: at least an active alert present for the given server gray: XNet Web cannot retrieve information with the SNMP protocol. |
| Polling Status | status of the polling service. It indicates: whether the polling service is running correctly when the polling service last sent a query to the server (time interval in hh:mm:ss from current time) |
| Product Type | type of EVS hardware. Examples: XT3 4U, XT4K, IPDirector |
| State | functional status of the EVS server or other EVS hardware. The possible statuses are Running , Initializing , In Maintenance , Halted or Unknown . |
| Net Number | server identification number on the SDTI network. |
| Net Type | server type on the SDTI network. The possible values are: Master Server Client Not Applicable (SDTI not present or set to off). |
| Base Config | base configuration used to start the server. In case of a Dual LSM configuration, the term Dual is added next to the active base configuration. |



| | Name | Description | | | | | |
|-------|----------------------|--|--|--|--|--|--|
| | Video Std | video standard used on the server ports. | | | | | |
| | Genlock | presence or absence of genlock synchronization signal, and its type. | | | | | |
| | Analog LTC | status of LTC (Longitudinal Time Code) analogue signal. | | | | | |
| | GbE Port1 IP Address | IP address of the GbE 1 interface port | | | | | |
| | GigE Open Conn. | number of open connections to the GbE port 1. Not more than 6 connections can be open to a GbE port. | | | | | |
| | Disk | disk connection status, and the number of spare disks. | | | | | |
| | PSU | status of the power supply units. | | | | | |
| | Traffic | network traffic status. | | | | | |
| | DB Status | status of the server database. | | | | | |
| | Loc Clips | number of clips stored on the server. | | | | | |
| | Rem. Capacity | remaining recording capacity on the EVS server in hours, and percentage. | | | | | |
| | % Used Capacity | percentage of whole server capacity that has been used. The cell background is colored to provide a visual representation of the remaining capacity: The % used capacity is below the defined threshold. 69.97% The % used capacity is above the defined threshold. 99.98% The % used capacity is 100%. | | | | | |
| | Physical Memory | Only relevant for PCs, not for EVS servers. It specifies the used memory, the total memory, and the percentage used of the total memory. | | | | | |
| NEW ! | HW Edition | version of the EVS server hardware, that corresponds to a specific set of board revisions. | | | | | |
| | CPU Usage | Only relevant for PCs, not for EVS servers. It specifies the CPU usage of each core, in percents. | | | | | |

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3.3. Server Details

3.3.1. Overview on the Server Details Area

Introduction

The Server Details area is located on the right hand side of the Monitoring List.

When you select an EVS server in the Monitoring List, the **Server Details** area provides detailed information on the selected server.

This information is organized in four tabs, which are themselves organized in different group boxes:

| Tab Name | Included field groups |
|-------------|--|
| Status | General information, data about A/V, network, controllers, GbE connections, and channels |
| Storage | Information on disk capacity, array definition, disk numbers, and disk models |
| Hardware | List of the boards fitted on the EVS server |
| Codes | List of Codes installed on the EVS server |
| Temperature | Temperatures measured at various points in the EVS server |

When you select another EVS hardware in the Monitoring List, the **Device Details** area provides data on the selected hardware, its drives and communication interfaces. See section "Device Details" on page 47 for more information.

Hiding and Displaying the Server Details Pane

The Server Details pane can be hidden or displayed by clicking the split box on the split bar between the Monitoring pane, and the Server Details pane:





3.3.2. Status Tab

Overview

In the Status tab, the main parameters are organized in several group boxes as shown on the following figure.

| Status Storage | Hardware Co | des Temperatu | ire | | | | | | |
|--|---|--------------------|--|---|---|--|---|--|--|
| General | | | Audio-Video | | Control | ler \ Protoco | ol | | |
| Туре: | XT3 6U | | AV Channels: | 1in 1out 4audio | Port | Contro | oller\Protocol | Connectio | in State |
| Facility Name: Facility Name: Base Config: Serial Number: Version: State: PSU: Genlock: LTC: Local Clips: Net Clips: Rem. Capacity: | XT3-NMI2 MulticamLSM 175100 16.01.14 Running OK (1) Bad blackburs Corrupted 6 6 6 141:50:49 [99% | | Video Std: Codec Config: On Air Codec: Intra Codec: Intra Bitrate: LongGOP Codec: LongGOP Bitrate: Lo-Res Codec: Lo-Res Bitrate: Interface: HDR: | Im Tool Haddoo 6251 PAL Intra SD IMX (D10) SD IMX (D10) 30 Mbps Not applicable Not applicable Not applicable Not applicable HD-SDI Unknown - Unknown | RS422 RS422 RS422 Etheme Etheme | + EVSR +2 EVSR +3 EVSR +#5011 LinX +#5011 LinX | emote emote | Connecter Defined Defined Defined | J |
| Clip Capacity: Loop Rec.: Up Time: System Date: Sync PC to TC: Sync Period: Pc Free Space: DB Status: Rec. Train Expir.: | Global On 13 days, 0:42:1 2018-11-07 09: Yes 00:15:00 93090 MB Ok 949 days 17:35 | 2.40 | Network SDTI: Net # - Name: Net Type (Cfg): ClipEdit by Net: Xnet Status: Traffic: Network Copy/Push: GigEOpenConn: | Off 1 - NotApplicable (Server) No Stand-alone Normal GigE 0/6 | Gigabit Status IP Addr Subnet Def. G MAC Ac Phys In Mode | Connection: Li usss 10 Mask 25 Jeway 10 dress 00 erface Ni St | s Settings AN PC1 p).129.150.17 55.255.255.0).129.150.254 J0000000000 of Applicable tatic | Gbe Port1 Not present 192.168.11.10 255.255.255.0 192.168.11.1 0000000000000 Unknown Static | Gbe Port2 Not present 192.168.12.10 255.255.255 000000000 Unknown Static |
| Channels | Status | Config | Rem. Capacity | LTC User 1 | C 1st Ctrl | 2nd | d Ctrl | Parallel Ctrl | OSD |
| CAM A PGM 1 | Recording (!AV) Ready | Rec (100%) Play | 141:50:49 | 2018-11-07 10:01:1 2018- 2018-09-27 10:32:3 2018-0 | 1-07 14:47:4 EVSRemo 9-27 00:01:4 EVSRemo | ite No ite No | Controller Controller | Primary Primary | |

The different group boxes and their parameters are detailed hereafter.

You will find more details on many of these parameters in the Configuration manual of the relevant EVS server.



If Multicam is not active and running on the selected server, most of the parameter fields will be left blank.

General Area

The table below describes the fields available in the General area:

| Parameter | Description | | | | | |
|-----------------------|---|--|--|--|--|--|
| Туре | Server type: XT3, XS3, … | | | | | |
| Facility Name | Name given to the product by the user. | | | | | |
| Base Config. | base configuration used to start the server. In case of a Dual LSM configuration, the term Dual is added next to the active base configuration. | | | | | |
| Serial Number | server's unique serial number. | | | | | |
| Version | server software revision. | | | | | |
| State | functional status of the EVS server or other EVS hardware. | | | | | |
| PSU | status of the power supply units. | | | | | |
| Genlock | presence or absence of genlock synchronization signal, and its type. | | | | | |
| LTC | status of LTC (Longitudinal Time Code) analogue signal. | | | | | |
| Local Clips | number of clips stored on the server. | | | | | |
| Net Clips | total number of clips stored on the whole SDTI network. | | | | | |
| Rem. Capacity | remaining recording capacity on the EVS server in hours, and percentage. | | | | | |
| Clip Capacity | Clip capacity as defined on the server: Global or Per Channel. | | | | | |
| Loop Rec. | Loop recording mode as defined on the server. | | | | | |
| Up Time | Elapsed time since the last boot. | | | | | |
| System Date | MTPC date and time. | | | | | |
| Sync PC to TC | Indicates whether the internal TC is synchronized to the timecode read on the LTC input of the server and whether the TC discontinuities detected on the LTC input of the system are cleared. | | | | | |
| Period | Period at which the Sync PC to TC is applied. | | | | | |
| PC Free Disk Space | available space on the MTPC disk in megabytes (MB) or gigabytes (GB). | | | | | |
| DB Status | status of the server database. | | | | | |
| Rec. Train Expiration | Time lapse by which the field counter for the record trains has to be manually reinitialized on the EVS server. Failing a reinitialization, the record train will not longer be recorded. Warning messages are issued in Multicam. | | | | | |

Audio-Video Area

The table below describes the fields available in the Audio-Video area:

| Parameter | Description |
|-----------------|--|
| AV Channels | configuration defined for video and audio channels: number of IN and OUT video channels number of audio embedded mono channels per video channel |
| Video Std | video standard used on the server ports. |
| Codec Config | Codec essence(s) active on the EVS server. |
| On Air Codec | Codec in which the video is played out on the EVS server. |
| Intra Codec | Intra codec in which the video is stored on the EVS server. |
| Intra Bitrate | Bitrate of compressed video data for the Intra codec. |
| LongGOP Codec | LongGOP codec in which the video is stored on the EVS server. |
| LongGOP Bitrate | Bitrate of compressed video data for the LongGOP codec. |
| Lo-Res Codec | Lo-Res codec in which the video is stored on the EVS server. |
| Lo-Res Bitrate | Bitrate of compressed video data for the Lo-Res codec. |
| Interface | Connection interface an EVS server will use in 3D, 1080p, UHD-4K resolutions or with the XIP or XT-VIA rear panel. |
| HDR | OETF function (opto-electric transfer function) used for High Dynamic Profile. |

Network Area

The table below describes the fields available in the Network area:

| Parameter | Description |
|------------------|--|
| SDTI | SDTI (Serial Data Transport Interface) network type. |
| Net # - Name | Server identification number and name on the SDTI network. |
| Net Type (Cfg) | server type on the SDTI network. The possible values are: • Master • Server • Client • Not Applicable (SDTI not present or set to off). |
| Clip Edit by Net | Specifies whether a clip can be edited through the network or not. |
| XNet Status | status of the SDTI network connection. |

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| Parameter | Description |
|-------------------|---|
| Traffic | network traffic status. |
| Network Copy/Push | Preferred network (SDTI or Gigabit) for copy, move and push actions on clips. |
| GigEOpenConn | Number of open GbE connections on a given port. |

Controller / Protocol Area

The table below describes the fields available in the Controller / Protocol area:

| Parameter | Description |
|---------------------|---|
| Port | Port used by the server controller. |
| Controller\Protocol | Controller or protocol used on that port. |
| Connection State | Connection status of the control port. If it is disconnected, Disconnected displays in red, and this generates an alert. |

Gigabit Connection Settings Area

The table below describes the fields available in the Gigabit Connection Settings area for each PC LAN (max. 2) and each GbE port (max. 2) being used on the EVS server:

If teaming is applied on the GbE ports, the GbE #2 port is referred to as "Not Present".

| Parameter | Description |
|-----------------|---|
| Status | Status of the GbE connection. |
| IP Address | IP address of the interface port. |
| Subnet Mask | IP mask of the interface port. |
| Def. Gateway | Default gateway used by the interface port. |
| MAC Address | MAC address of the hardware |
| Phys. Interface | Physical location of the corresponding GbE port |
| Mode | Method used for IP address assignment (static or dynamic) |

Channels Area

The table below describes the fields available in the Channels area:

| Parameter | Description |
|---------------|---|
| Channel | Name of the record channel (CAM) or play (PGM) channel. |
| Status | Status of the channel: CAM: Recording, Rec Idle PGM: Ready, Playing, Live, Idle If a channel has no audio or video, it will be displayed with one of the following indication: (!A) when the audio is missing (!V) when the video is missing (!AV) when the audio and video are missing |
| Config | Configuration of the channel as record or play channel. SLSM recorders, as well as the number of phases, are specified in this field. |
| Rem. Capacity | remaining capacity for each recorder channel. |
| LTC | LTC timecode of the channel. |
| User TC | User timecode of the channel. |
| 1st Ctrl | Primary controller defined for the selected channel. Possible values are: EVS Remote, EVS XTNano Remote, AVSP, IPDP |
| 2nd Ctrl | Secondary controller defined for the channel, if any. |
| Parallel Ctrl | Controller used in parallel mode. |
| OSD | Controller (main or secondary) managing the OSD display characters in parallel mode. |

3.3.3. Storage Tab

Overview

| Status Storage Hardware Codes | | |
|--|----------------------------|-----|
| General | Arrays | |
| Dam sanatiku (man sa ta un t | | |
| Kem. Capacity: 17:54:42 [96%] Storage type: Sas | PSU Fans Therm | al |
| Nom. capacity: 18:37:12 Raid type: (5+1) | EXT4 | |
| | EXT3 | |
| PATD | | |
| | | |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | | |
| R | | |
| | | |
| Disk Overview Disk Details | | |
| Disk Status | | |
| | 15 16 17 18 19 20 21 22 23 | 24 |
| | | 121 |
| EX14 EYT3 | | |
| EXT2 | | |
| EXTI | | |
| INT2 | | |
| INT1 R1 R1 xx R1 R1 R1 | | |
| | | |
| Disk temperature | | |
| | | |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | 15 16 17 18 19 20 21 22 23 | 24 |
| EXT4 | | |
| EXT3 | | |
| EXT2 | | |
| EXT1 | | |
| INT2 | | |
| INT1 30 31 35 31 33 | | |
| | | |

General Area

The table below describes the fields available in the General area:

| Parameter | Description |
|---------------|---|
| Rem. Capacity | It specifies the remaining capacity of the storage expressed as a video duration (hours, minutes and seconds) as well as a percentage. |
| Nom. Capacity | It specifies the total capacity of the storage expressed as a video duration (hours, minutes and seconds). |
| Storage Type | It specifies the type of disks: SAS. |
| Raid Type | It specifies the type of RAID: 4+1: four disks and a parity disk, with a spare disk 5+1: five disks and a parity disk, without a spare disk |

Arrays Area

The table below describes the fields available in the Arrays area:

| Parameter | Description |
|-----------|--|
| PSU | It specifies the status of the PSU on the given array. See section "PSU HDX" on page 59 for examples of values for this field in case of SAS-HDX array. The values are the same for other arrays types. |
| Fans | It gives the state of the fans on the given array. See section "Fan HDX" on page 60 for examples of values for this field in case of SAS-HDX array. The values are the same for other arrays types. |
| Thermal | It gives the temperature status on the given array. See section "Disk Thermal" on page 60 for field values. |

Raid Area

This area gives indication on the number of RAIDs defined in the server and their respective identification (R1,...)

| Parameter | Description |
|-----------|---|
| Raid ID | It specifies the RAID storage system identification |

Disk Overview Tab

Disk Status Area

This area gives indication on the localization of each RAID and on the spare disks in the arrays:

The **xx** sign (red) identifies faulty disks, that should directly be replaced, especially when you work without spare disks.

The sign (red) identifies disks other than EVS disks.

The **sp** sign (green) identifies the spare disks.

| Distribut | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| EXT4 | | | sp |
| EXT3 | | | | | | | | | | | | | | | | | xx | | | | | | | |
| EXT2 | | | | | | | | | | | | | | | | | | | | | | | | |
| EXT1 | | | | | | | | | | | | | | | | | | | | хх | | | | хх |
| INT | | | | | хх | | | | | | | sp | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

Disk Temperature Area

This area provides the internal temperature of each disk.

Disk Details Tab

The Disk Details tab provides specific information on the disks:

| | rage naroware | coucs | | | | | | |
|--|---|---|--|---|---|---|--|---------|
| - General - | | | | | Array | 5 | | |
| Rem. capacit | ty: 17:54:42 [96 | 5%] | Storage type: | Sas | | PSU | Fans | Thermal |
| Nom. capaci | ty: 18:37:12 | | Raid type: | (5+1) | EXT4 EXT3 EXT2 | | | |
| RAID | 3 4 5 | 6 7 | 8 9 10 1 | 12 13 | 14 15 16 | 2 / | 1 | ок |
| R1 | Dick Details | | | | | | | |
| DISK OVERVIEW | | | | | | | | |
| ID | State | Cap(Gb) | Temperature | Sector size | Model | Rev. Level | SN | |
| ID INT1-1 | State Ok | Cap(Gb) 279 | Temperature 30 | Sector size | Model SEAGATE ST9300605SS | Rev. Level | SN 6XP3CRPS | - |
| ID INT1-1 INT1-2 | State Ok Ok | Cap(Gb) 279 279 | Temperature 30 31 | Sector size 512 512 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 | SN 6XP3CRPS 6XP3BD2D | - |
| ID INT1-1 INT1-2 INT1-3 | Otsk Details | Cap(Gb) 279 279 279 279 | Temperature 30 31 | Sector size 512 512 512 512 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL | _ |
| ID INT1-1 INT1-2 INT1-3 INT1-4 | Ok Ok Disconnected Ok | Cap(Gb) 279 279 279 279 279 279 | Temperature 30 31 35 | Sector size 512 512 512 512 512 512 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL | - |
| ID INT1-1 INT1-2 INT1-3 INT1-4 INT1-5 | State Ok Ok Disconnected Ok Ok | Cap(Gb) 279 279 279 279 279 279 279 | Temperature 30 31 35 31 | Sector size 512 512 512 512 512 512 512 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL 6XP3BFRS | - |
| ID INT1-1 INT1-2 INT1-2 INT1-3 INT1-4 INT1-5 INT1-6 | State Ok Ok Disconnected Ok Ok Ok Ok | Cap(Gb) 279 279 279 279 279 279 279 279 | Temperature 30 31 35 31 33 | Sector size 512 512 512 512 512 512 512 512 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 00 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL 6XP39ZJL 6XP39FRS 6XP39ZH4 | - |
| ID INT1-1 INT1-2 INT1-3 INT1-3 INT1-4 INT1-5 INT1-6 INT2-1 | Ok NotPresent | Cap(Gb) 279 279 279 279 279 279 279 279 | Temperature 30 31 35 31 33 | Sector size 512 512 512 512 512 512 512 512 512 / | Model SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL 6XP39ZJL 6XP39ZH4 | - |
| ID INT1-1 INT1-2 INT1-2 INT1-3 INT1-4 INT1-5 INT1-6 INT2-1 INT2-2 | Ok Ok Disconnected Ok Ok Ok Ok NotPresent NotPresent | Cap(Gb) 279 279 279 279 279 279 279 279 | Temperature 30 31 35 31 33 | Sector size 512 512 512 512 512 512 512 512 512 <i>i</i> <i>i</i> | Model SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 0002 0002 0002 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL 6XP39ZJL 6XP39ZH4 | - |
| ID INT1-1 INT1-2 INT1-3 INT1-4 INT1-5 INT1-6 INT2-1 INT2-2 INT2-3 | Ok Ok Ok Ok Ok Ok Ok NotPresent NotPresent | Cap(Gb) 279 279 279 279 279 279 279 279 | Temperature 30 31 35 31 33 | Sector size 512 512 512 512 512 512 512 512 512 512 512 512 / / | Model SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL 6XP39ZJL 6XP39ZH4 | - |
| ID INT1-1 INT1-2 INT1-3 INT1-4 INT1-5 INT1-6 INT2-1 INT2-1 INT2-2 INT2-3 INT2-4 | Ok Ok Ok Ok Ok Ok Ok Ok NotPresent NotPresent NotPresent | Cap(Gb) 279 279 279 279 279 279 279 | Temperature 30 31 35 31 33 | Sector size 512 512 512 512 512 512 512 7 7 7 7 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 0002 | SN 6XP3CRPS 6XP38D2D 6XP36Z3VL 6XP39ZJL 6XP39ZH4 | |
| ID INT1-1 INT1-2 INT1-3 INT1-4 INT1-5 INT1-6 INT2-1 INT2-2 INT2-3 INT2-3 INT2-4 INT2-5 | Disk Deckins State Ok Ok Disconnected Ok Ok Ok Ok Ok Ok NolPresent NolPresent NolPresent NolPresent | Cap(Gb) 279 279 279 279 279 279 279 | Temperature 30 31 35 31 33 | Sector size 512 512 512 512 512 512 512 7 7 7 7 7 | Model SEAGATE ST9300605SS SEAGATE ST9300605SS | Rev. Level 0002 0002 0002 0002 0002 0002 0002 0002 0002 | SN 6XP3CRPS 6XP3BD2D 6XP3C3VL 6XP39ZJL 6XP39ZH4 6XP39ZH4 | |

| Parameter | Description |
|-------------|---|
| ID | Disk identification |
| State | Disk status: OK, not present, spare, |
| Сар | Disk capacity in Gigabytes |
| Temp | Disk internal temperature in the unit defined in the general display settings |
| Sector Size | Size of the disk sector |
| Model | Disk manufacturer and model |
| Rev. Level | Disk revision Level |
| SN | Disk serial number |



3.3.4. Hardware Tab

Overview

The Hardware tab lists the available modules and boards installed in the server along with their respective version or revision number and their configuration when relevant.

| Status Storage Hardwar | e Codes Temperature | | | | |
|------------------------|---|--|--|--|--|
| Boards | | | | | |
| Name | Version | | | | |
| MTPC Board | HS-873: Id=0xA5 | | | | |
| H3XP CPU Board | Id=0xC0, Revision=0x01, Jumpers=0x0F | | | | |
| V3X Base Board #0 | ID=0xC8, IDE=0xf4 - MVP ID=0x00 | | | | |
| V3X Base Board #1 | ID=0xC8, IDE=0xf4 - MVP ID=0x00 | | | | |
| V3X Base Board #2 | ID=0xC8, IDE=0xf4 - MVP ID=0x00 | | | | |
| CH#0 (V3X) | Str:"V3X A2 " HW:0x01/0x01 CTID:0x04 FPGA:244 Feat:0x0003 | | | | |
| CH#1 (V3X) | Str:"V3X A2 " HW:0x01/0x01 CTID:0x04 FPGA:244 Feat:0x0003 | | | | |
| CH#2 (V3X) | Str:"V3X A2 " HW:0x01/0x01 CTID:0x04 FPGA:244 Feat:0x0003 | | | | |
| CH#3 (V3X) | Str:"V3X A2 " HW:0x01/0x01 CTID:0x04 FPGA:244 Feat:0x0003 | | | | |
| CH#4 (V3X) | Str:"V3X A2 " HW:0x01/0x01 CTID:0x04 FPGA:244 Feat:0x0003 | | | | |
| CH#5 (V3X) | Str:"V3X A2 " HW:0x01/0x01 CTID:0x04 FPGA:244 Feat:0x0003 | | | | |
| ACODEC | A3X: Id=0xA3, Ide=0x0A, Ide2=0x8B | | | | |
| Multiviewer Board | MV4: 06.03 31/08/17 - Fpga 0x601 - Product Id 0x60 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| General | | | | | |
| Name | Value | | | | |
| Physical Memory | 2048 MB | | | | |
| HW Edition | Unknown | | | | |
| | | | | | |

Board Area

| Parameter | Description |
|-----------|--|
| Name | Name of the board or module |
| Version | Revision of the board or module, and additional parameters |

General Area

| | Parameter | Description |
|-------|---------------------|---|
| | Physical Memory | RAM of the MTPC board |
| NEW ! | Hardware Edition | version of the EVS server hardware, that corresponds to a specific set of board revisions. The components of each hardware edition are detailed in the Tech Ref manual, Hardware Edition History section. |

3.3.5. Codes Tab

The Codes tab lists the license codes activated on the server along with their description.

| Status | Storage | Hardware | Codes | Temperature | |
|--------|---------|----------|--------------|-------------------|---------|
| Number | | | Description | | |
| 2 | | | Authorize SI | D configurations | |
| 3 | | | Authorize H | D configurations | |
| 4 | | | Authorize vi | deo configuration | changes |
| 5 | | | Avid DNxHE | HD Codec | |
| 6 | | | Apple ProRe | es 422 HD Codeo | 2 |
| 8 | | | DVCPRO H | D Codec | |
| 9 | | | DVCPRO 5 | 0 Codec | |
| 10 | | | Mjpeg Code | c | |
| 11 | | | IMX Codec | | |
| 12 | | | Mpeg2Intra | Codec | |
| 13 | | | AVC-Intra H | D Codec | |
| 15 | | | XAVC-Intra | HD Codec | |
| 16 | | | DNxHR 4K | Codec | |
| 17 | | | ProRes 4K | Codec | |
| 18 | | | AVC-Ultra 4 | K Codec | |
| 19 | | | XAVC 4K C | odec | |
| 20 | | | LSM Hyperr | notion | |
| 21 | | | 1080p Dual- | -Link | |
| 22 | | | 1080p 3G | | |
| 23 | | | 3D Dual-Lin | k | |
| 24 | | | 3D 3G | | |

3.3.6. Temperature Tab

NEW! Overview

The Temperature tab lists the temperatures measured in several points of the EVS server.

The measures are always given in Celsius degrees. The temperature settings do not impact these measurements.

- Between 50 °C (122 °F) and 80 °C (176 °F), the warning range is reached and the temperature is displayed on an orange background.
- Above 80 °C (176 °F), the alert range is reached and the temperature is displayed on a red background.

These temperature measurements can also be displayed in the Monitoring List

Temperature Area

| Parameter | Description |
|-----------|---|
| Name | Name of the board or module where the temperature is measured: Hxx Board: Controller board Hxx CPU: CPU module on the controller board Hxx Memory: Memory module on the controller board VCodec1: Codec1 module etc. |
| Value °C | Temperature in Celsius degrees |



3.4. Device Details

Introduction

If a hardware other than an EVS server is selected in the Monitoring List, the **Device Details** area on the right displays detailed SNMP information.

This information is organized the following tab, which is organized in different group boxes:

| Tab Name | Included field groups |
|----------|--|
| Status | Applications installed on the hardware, data on the computer, the drives, and the communication interfaces |

Status Tab

In the Status tab, the main parameters are organized in several group boxes as shown on the following figure.

| 5 | itatus | | | | | | | | | |
|---|----------------------|------------------|---------|----------|-------------|-------------|------------|-------------|-------------|-------------|
| Г | - Evs Products | | | | | | | | | |
| | Type | | | Versi | on | | | State | | |
| | XTract | | | 2.0.2. | 0 | | | Unknown | | |
| | XTGateway | | | 2.3.12 | 21.0 | | | Running | | |
| | XTAccess | | | 2.0.37.0 | | | | Running | | |
| | XSquare | | | 2.0.28.0 | | | | Running | | |
| | IPDirector | | | 6.40.1 | 12.0 | | | Running | | |
| | | | | | | | | | | |
| | — Computer —— | | | | — Drives — | | | | | |
| | Name: | IPDA184130 | | | Name | | Total Size | | Free Space | |
| | CPIT Usade: | 10/ 70/ 20/ 20/ | | | Restore (R) | | 20.0 GB | | 6.1 GB | |
| | Dhus Memory | | (76.04) | | System (C) | | 20.0 GB | | 2.3 GB | |
| | Phys. Memory: | 2284 / 2999 MB | (/6%) | | | | | | | |
| | Up Time: | 24 days, 19:35:4 | 14.42 | | | | | | | |
| | Date Time: | 2014-02-03 09:: | 14:45 | | | | | | | |
| | | | | | | | | | | |
| | — Interfaces — | | | | | | | | | |
| | | | | | | - | | | law m | |
| | Description | Status | MIU | | Speed | PhysAddress | IpAddress | NetMask | NICIN | NICOUT |
| | Intel(R) 82574L Giga | b Up | 1500 | | 1000 Mbps | 031db6646 | 1.1.53.101 | 255.255.0.0 | 542,055,056 | 294,446,416 |
| | Intel(R) 82574L Giga | b Down | 1500 | | 1000 Mbps | 031db6647 | 0.0.0.0 | 0.0.0 | 126 | 126 |
| | | | | | | | | | | |

ш

The different group boxes and their parameters are detailed hereafter.

EVS Products

| Parameter | Description |
|-------------|---|
| Туре | EVS application name. |
| Version | Server software revision. |
| State | Server state: running, in maintenance, faulty, halted, unknown. |
| Custom Name | Name given to the product from the MIB. |

Computer

| Parameter | Description |
|-----------------|---|
| Name | Name of the computer. |
| CPU Usage | Percentage of use of central processing unit (CPU). |
| Physical Memory | Computer data storage used from the total amount. |
| Up Time | Elapsed time since the last boot. |
| Date Time | MTPC date and time. |

Drives

This area lists the hard disks drives from the computer.

| Parameter | Description |
|------------|---|
| Name | Name of the computer. |
| Total Size | Total size (GB) of the drive. |
| Free Space | Free space (GB) still available on the drive. |



Interfaces

| Parameter | Description |
|------------------|--|
| Description | Generic description of the communication interface. |
| Status | Up or Down |
| MTU | Maximum Transmission Unit: size (in bytes) of the largest protocol data unit that the layer can pass onwards. |
| Speed | Data transfer rate in Megabits per second. |
| Phys. Address | Memory address that is electronically (in the form of binary number) presented on the computer address bus circuitry in order to enable the data bus to access a particular storage cell of main memory. |
| IP Address | Internet Protocol address of the communication interface. |
| Net Mask | Prefix bit mask expressed in quad-dotted decimal representation. For example, 255.255.255.0 is the subnet mask for the 192.168.1.0/24 prefix. |
| NIC IN | Number of octets getting through the network (input) |
| NIC OUT | Number of octets getting through the network (output) |

3.5. Alert Messages

3.5.1. Description of Alerts Pane

Introduction

The Alerts pane is displayed below the Monitoring List pane on the Monitoring window. It shows the list of alerts generated for the monitored devices (host or host groups). The alert messages are displayed until you acknowledge them.

In the Alerts pane, you can:

- display alerts based on alert categories.
- sort the columns in the alert list.
- acknowledge an (active) alert if you are logged as an administrator.

The Alerts pane is displayed by default, To hide it, click the split box below the Monitoring List pane:

| IPDA177850 | OK - 00:09:39 | Director Running | | | | | |
|-------------------|---|---------------------|---------------------------|------------|--|-----|----------|
| • | | | | | | | Þ |
| Alerts | Alerts 🛛 🗍 👻 | | | | | | |
| Alert type: Alert | Alert type: Alert V Alert 58 Ack: 0 Hidden: 7 | | | | | | |
| Name | IP Address | Date | Description | | | Ack | |
| XT3 PLAY | 10.129.59.35 | 7/4/2017 1:10:30 PM | R1: read access failure (| count: 20) | | | ^ |
| | | | | | | - | |

Alert Filtering

You can filter the alerts based on the following categories:

| Category | Description |
|-----------------|--|
| (Active) Alerts | Alerts that have been defined, in the Alerts Configuration tab, as alerts to be displayed in the Alerts pane. We will refer to them as active alerts to prevent misunderstanding when appropriate. |
| Acknowledged | Active alerts that have been acknowledged. When an alert is acknowledged, is it moved from the list of active alerts to the list of Acknowledged alerts. |
| Hidden | Alerts that have been disabled in the Alerts Configuration tab. |

Area Description

| 3 | (1 |) | 2 | | | |
|---|-------------------|--------------|-------------------------------|--|-----|------|
| T | Alerts | | | | | * |
| | Alert type: Alert | ~ | Alert: 85 Adc 0 Hidden: 1 | | | |
| | Name | IP Address | Date | Description | Ack | |
| | S1-NTSC | 172.16.65.1 | 1/25/2012 5:52:12 PM | SDTI status is notconnected | P* | - |
| | Master05 | 172.16.59.1 | 1/25/2012 6:05:45 PM | Full capacity reached (rem. capacity: 00:00: | - | (14) |
| | Protocol 1 | 172.16.110.1 | 1/26/2012 2:09:52 PM | GigE2 operational status is down | | |
| | Protocol 1 | 172.16.110.1 | 1/26/2012 2:19:50 PM | Number of local clip (4004) is above threshold | - | |
| | Master22 | 172.16.154.1 | 1/25/2012 5:57:19 PM | INT-5 is Disconnected | - | |
| | Master22 | 172.16.154.1 | 1/25/2012 5:57:19 PM | EXT1-20 is Disconnected | - | |
| | Master22 | 172.16.154.1 | 1/25/2012 5:57:19 PM | EXT1-24 is Disconnected | - | - |
| | | | | | _ | |

The table below describes the various parts of Alerts pane:

| Part | Name | Description |
|------|---------------|---|
| 1. | Alert filter | Drop-down field that allows you to select the alert category to be displayed in the grid. |
| 2. | Alert summary | Total number of alerts generated for each alert type. |



| Part | Name | Description |
|------|-------------------|--|
| 3. | Column heading | Type of information available in the given column. Clicking on the column heading allows the sorting of the elements in ascending or descending order. The columns displayed cannot be modified: Name: Name of the host IP Address: IP address of the host Date: Date and time when the alert was generated Description: Error message (For full information on error messages, "List of Possible Alerts" on page 53). Ack: Icon to acknowledge an alert. It is only available for a user logged as an administrator. |
| 4. | Alert Information | Information on the alerts displayed. Clicking an alert message displays the detailed information of the related host in the Server Details area. |

3.5.2. Managing Alerts

Introduction

This topic explains how you can display and manage alerts from the Alerts area in the Monitoring window. The possible actions are summarized in a table below.

Bear in mind that the alerts to be displayed and to be hidden have previously been defined in the Configuration menu, Alert Configuration tab.

Possible Actions on Alerts

| In order to | Proceed as follows: |
|--|--|
| Filter the alerts to be displayed | Select the requested alert category in the Alert type drop-down field. |
| Sort the alert items based on the values of a column (ascending or descending order) | Click the column heading on which the alert items should be sorted. An arrow is displayed next to the column heading to identify the column and order type (ascending or descending) used to sort the items. |
| Display the host corresponding to the alert in the Server Details tab | Double-click the alert in the Alerts pane |
| Acknowledge an alert (in administrator mode only) | Click the flag in the Ack. column for the alert to be acknowledged. The alert is removed from the Alert list, and added to the Acknowledged list. |



3.5.3. List of Possible Alerts

Introduction

The section describes the fields for which an alert can be generated and the associated default message(s) (normal status) and alert/error messages.

The warnings are displayed in orange, and the errors in red.

Working Principle

When an error is generated for a field, it is displayed in the Monitoring window:

• **as an alert** in the **Alerts** pane if the given field is not selected in the Alert Configuration window.

The alert must be acknowledged by an administrator user to be removed from the list of active alerts. It is then sent to the list of acknowledge alerts.

• as an error message in the Server Details pane, and possibly in the Monitoring List pane (if the related field is displayed).

When the SNMP information is sent back and when the situation is back to normal or when the alert is acknowledged, the field status is updated accordingly, and the error is replaced by the normal status.

Polling Status

It specifies the status of the polling service. It indicates: whether the polling service is running correctlywhen the polling service last sent a query to the server (time interval in hh:mm:ss from current time)

| Message | Explanation | Status Type |
|----------------------------|---|----------------|
| OK (00:03:00) | The polling service is working correctly, and the SNMP data was last sent 3 minutes ago. | Info |
| ICMP timeout - 00:03:00 | An ICMP (Internet Control Message Protocol) timeout was generated: the information was not sent in the requested time interval from the Master service to the Clients at the last attempt for information transfer, 3 minutes ago. | Error |
| SNMP timeout - 00:03:00 | An SNMP timeout was generated: the information was not sent in the requested time interval from the EVS servers to the polling services at the last attempt for information transfer, 3 minutes ago. | Error |

| Message | Explanation | Status Type |
|--------------------------|---|----------------|
| SNMP error - 00:03:00 | An SNMP error was generated: there was an error at the last information transfer from the EVS servers to the polling services, 3 minutes ago. | Error |
| Not managed | No polling service is associated to the server. | Error |

State

It specifies the functional status of the EVS server or other EVS hardware.

| Possible Values | | | | | |
|-----------------|--|----------------|--|--|--|
| Message | Explanation | Status Type | | | |
| Running | The EVS server is running a given configuration. | Info | | | |
| Not Running | The EVS server is not running a configuration | Info | | | |
| Initializing | The EVS server is initializing (in the boot sequence). | Error | | | |
| Maintenance | The EVS server is in the Multicam Setup window, hence it is not running a given configuration yet. | Error | | | |
| Halted | The EVS server is turned off. | Error | | | |

GbE 1/2 and PC LAN 1/2 Status

It specifies the operational status of the Gigabit Ethernet interface connectors (port 1 & 2), the PC LAN connectors (port 1 & 2), as well as issues related to GbE and/or PC LAN teaming.

| Message | Explanation | Status Type | GUI |
|--|--|----------------|-------------------|
| Up | The corresponding GbE or PC LAN interface is installed and running well. | Info | Server Details |
| Down | The corresponding GbE or PC LAN interface is not working. | Error | Server Details |
| Not present | The corresponding GbE or PC LAN is NOT installed. | Error | Server Details |
| GbE Port 1: operational status is Down | The GbE port 1 is not working. | Error | Alerts |



| Message | Explanation | Status Type | GUI |
|---|--|----------------|-------------------|
| PC LAN Port 1: operational status is Down | The PC LAN port 1 is not working. | Error | Alerts |
| Team Up | The GbE or PC LAN interfaces are running well, and the both links work correctly in teaming. | Info | Server Details |
| Team Link 1 Down | The GbE link 2 or PC LAN link 2 is functional whereas the GbE link 1 or PC LAN link 1 is either not cabled, or does not work properly. | Error | Server Details |
| Team Link 2 Down | The GbE link 1 or PC LAN link 1 is functional whereas the GbE link 2 or PC LAN link 2 is either not cabled, or does not work properly. | Error | Server Details |
| Team Down | The GbE or PC LAN interfaces are installed but do not work properly on both links. | Error | Server Details |
| GbE Port 1/ PC LAN Port 1: operational status is degraded - team link 1 down | The GbE link 2 or PC LAN link 2 is functional whereas the GbE link 1 or PC LAN link 1 is either not cabled, or does not work properly. | Error | Alerts |
| GbE Port 1/ PC LAN Port 1: operational status is degraded - team link 2 down | The GbE link 1 or PC LAN link 1 is functional whereas the GbE link 2 or PC LAN link 2 is either not cabled, or does not work properly. | Error | Alerts |

Controller

It specifies the connection status of a given controller enabled on an EVS server.

Depending on the pane where the message is displayed, it is displayed in slightly different ways.

| Message | Explanation | Status Type | GUI |
|-----------|--|----------------|-------------------|
| ОК | All defined controllers are connected, which means up and running. | Info | Mon. List |
| Connected | The corresponding controller is up and running. | Info | Server Details |
| Defined | The corresponding controller is defined in the configuration but is not used | Info | Server Details |

| Message | Explanation | Status Type | GUI |
|-----------------------------------|--|----------------|-------------------|
| Disconnected | The corresponding defined controller is disconnected, or the external communication has been lost. | Error | Server Details |
| XX on RS422 #Y disconnected | The given controller(s) (XX) is/are disconnected on the given RS422 port number (Y) of the EVS server. | Error | Alerts Pane |

Channels

It specifies errors on the status of the record or play channels.

Possible Values

| Message | Explanation | Status Type | GUI |
|----------------------------------|---|----------------|-------------------|
| Recording | Normal status on the recorded media. | Info | Server Details |
| Recording (!A) | Embedded audio missing on the recorded media. | Error | Server Details |
| CAM X: audio embedded missing | | Error | Alerts |
| Recording (!V) | Video missing on the recorded media. | Error | Server Details |
| CAM X: video missing | | Error | Alerts |

Genlock

It specifies the presence or absence of genlock synchronization signal, and its type.

| Message | Explanation | Status Type |
|--------------------|---------------------------------------|-------------|
| OK Blackburst | A valid Blackburst signal is present. | Info |
| OK Tri-level | A valid Tri-level signal is present. | Info |
| Bad Blackburst | Bad Blackburst signal | Error |
| Unknown Blackburst | No Blackburst signal detected | Error |
| Bad Tri-level | Bad Tri-level signal | Error |
| Unknown Tri-level | No Tri-level signal detected | Error |



Analog LTC

It specifies the status of LTC (Longitudinal Time Code) analogue signal.

Possible Values

| Message | Explanation | Status Type |
|-----------|--|-------------|
| ОК | A valid LTC signal is present on the EVS server. | Info |
| Missing | No LTC signal is detected on the EVS server. | Error |
| Corrupted | A bad LTC or an LTC drift is detected on the EVS server. | Error |

Local Clips

It specifies the number of clips stored on the server.

For local clips, the alert generation depends on the threshold defined for the Local Clips field in the Monitoring settings defined in the Configuration menu > Monitoring Configuration tab. "Monitoring Settings" on page 22. The default threshold is 4000.

Possible Values

| Message | Explanation | Status Type |
|---------|---|----------------|
| 3500 | When the number of clips is displayed in black, it means the number of clips on the EVS server does not exceed the threshold defined for the maximum number of local clips. | Info |
| 4200 | When the number of clips is displayed in red and bold characters, it means the number of clips on the EVS server exceeds the threshold defined for the maximum number of local clips. | Error |

DB Status

It specifies the status of the server database.

Possible Values

| Message | Explanation | Status Type |
|-----------|----------------------|-------------|
| ОК | The DB is OK. | Info |
| Corrupted | The DB is corrupted. | Error |

XNet Status

It specifies the status of the SDTI network connection.

Possible Values

| Message | Explanation | Status Type |
|------------------|---|----------------|
| Connected | The EVS server is connected to the network. | Info |
| Connecting | The EVS server's connection to the network is in progress. | Info |
| Stand alone | The system does not have the XNet license, or the required hardware, or the SDTI network is disabled. | Info |
| Not Connected | The EVS server is not connected to the network. | Error |
| Disconnected | The EVS server is in a disconnection phase. | Error |
| Connection fault | The EVS server cannot connect to the XNet network due to an incompatibility error. | Error |

Traffic

It specifies the network traffic status.

Possible Values

| Message | Explanation | Status Type |
|-----------|---|---------------------|
| Normal | The traffic on the SDTI network is properly managed. | Info |
| Heavy | The SDTI network makes full use of the available capacity. | Warning (orange) |
| Corrupted | The SDTI network is overloaded, has lost at least one command from a controller, and is desynchronized. | Error |

Rem. Capacity

It specifies the remaining recording capacity on the EVS server in hours, and percentage.

The alert generation depends on the threshold defined for the Remaining Capacity field in the Monitoring settings defined in Configuration menu > Monitoring Configuration tab. See section "Monitoring Settings" on page 22. The default threshold is 5%.



Possible Values

| Message | Explanation | Status Type |
|----------------|--|----------------|
| 48:01:53 (97%) | The parameter is in a valid state (black font) when the Remaining Capacity threshold is not exceeded. | Info |
| 01:03:32 (2%) | The parameter is in a warning state (orange font) when the Remaining Capacity threshold is exceeded. | Warning |
| 00:00:00 (0%) | The parameter is in an error state (red font) when the Remaining Capacity is null. | Error |

PSU

It specifies the status of the power supply units..

Possible Values

| Message | Explanation | Status Type |
|---------|---|----------------|
| OK (1) | Only one PSU is installed on the server and is working fine | Info |
| OK (2) | Two PSUs are installed and are working fine | Info |
| ! PSU 1 | The first PSU is down. | Error |
| ! PSU 2 | The second PSU is down. | Error |

PSU HDX

It specifies the status of the power supply units of the external SAS disk array.

| Message | Explanation | Status Type |
|---------|---|----------------|
| OK (1) | Only one PSU is installed on the SAS-HDX disk array and is working fine | Info |
| OK (2) | Two PSUs are installed on the SAS-HDX disk array and working fine. | Info |
| 1 | No external storage system is installed. | Info |
| ! PSU1 | The first PSU of the SAS-HDX disk array is down. | Error |
| ! PSU2 | The second PSU of the SAS-HDX disk array is down. | Error |

Fan HDX

It specifies the state of the fans on the external SAS disk array.

Possible Values

| Message | Explanation | Status Type |
|----------------------|--|-------------|
| ОК | The fans is/are operating. | Info |
| 1 | No external disk array is installed. | Info |
| ! Fan 1 ! Fan 1,2 | The fan 1 is faulty. The fans 1 and 2 are faulty. | Error |

Disk Thermal

It specifies the temperature on the internal and external disks.

Possible Values

| Message | Explanation | Status Type |
|-----------------------|--|----------------|
| ОК | All temperatures measured on disks are OK. | Info |
| INT 1: Rising | The temperature of disk 1 on the internal disk array is rising (between 50 and 55°C). | Warning |
| EXT 2-3 : Rising | The temperature of disk 3 of the second external disk array 2 is rising (between 50 and 55°C). | Warning |
| INT 1-2 : Overheating | The temperature of disk 2 of the first internal disk storage board 1 exceeds 55°C. | Error |

RAID

It specifies the status of the raids.

| Message | Explanation | Status Type |
|----------------------|--|----------------|
| ОК | The raid system is working fine. | Info |
| R1: Rebuilt X% | The system is rebuilding raid 1 of the raid matrix, X standing for the part of the rebuild operation processed in %. In the Server Details pane, Storage tab, the raid has an orange background in the RAID area. | Warning |



| Message | Explanation | Status Type |
|-----------------|--|----------------|
| R1: Degraded | The raid 1 of the raid matrix has lost a disk and cannot afford any new disk failure without loosing the full storage. In the Server Details pane, Storage tab, the raid has a red background in the RAID area. | Error |

Raid R/W Retry

It specifies the number of renewed attempts of read and/or write operations on disks of the raids.

As soon as at least one read or write operation has been retried, this generates a warning.

Possible Values

| Message | Explanation | Status Type |
|---------|---|-------------|
| 0r / 0w | 0 renewed read attempt, 0 renewed write attempt | Info |
| 0r / 1w | 0 renewed read attempt, 1 renewed write attempt | Warning |

Raid R/W Error

It specifies the number of errors in read and/or write operations on disks of the raids.

As soon as at least one read or write operation has failed, this generates an error.

Possible Values

| Message | Explanation | Status Type |
|---------|-----------------------------|-------------|
| 0r / 0w | 0 read error, 0 write error | Info |
| 0r / 1w | 0 read error, 1 write error | Error |

Disk

It specifies the disk connection status, and the number of spare disks.

| Message | Explanation | | GUI |
|-------------|---|-------|-----------|
| OK (1 sp) | All disks are connected and accepted by the RAID matrix, and 1 spare disk is available. | Info | Mon. List |
| 1 xx (6 sp) | All disks are connected and accepted by the RAID matrix, but one disk is faulty, and 6 spare disks are available. | Error | Mon. List |

| Message | Explanation | Status Type | GUI |
|---|--|----------------|-------------------------------|
| ОК | The given disk is working fine. | Info | Server Details |
| Spare | The given disk is a spare disk. | Info | Server Details |
| INT/EXT X-X Disconnected | XT X-X The given disk on the internal or external array (array number + disk number) is out of the RAID matrix. | | Alerts & Server Details |
| NT/EXT X-X No disk is connected on the internal or external array (array number + disk number). | | Error | Alerts & Server Details |

PC Free Disk Space

It specifies the available space on the MTPC disk in megabytes (MB) or gigabytes (GB).

Possible Values

| Message | Explanation | Status Type |
|---------|--|----------------|
| 300 MB | When the space available is more than the value defined in the SNMP agent (100 MB), the label is in a normal state. | Info |
| 75 MB | When the space available is less than the value defined in the SNMP agent (100 MB), the label is in a warning state. For PCs (no MTPC card), this value is not displayed as a warning. | Warning |
| 10 MB | When the space available is less than 20MB, the label is in an error state. For PCs (no MTPC card), this value is not displayed as a warning. | Error |

Rec Train Expiration

It specifies that the remaining time left before you have to reinitalize the field counter for the record trains.

| Message | Explanation | Status Type | GUI |
|---|---|----------------|--------|
| Record Train Maintenance should be performed in less than 12 weeks. | It remains between 4 and 12 weeks to reinitialize the record train field counter. | Warning | Alerts |
| Record Train Maintenance should be performed in less than 28 days. | It remains less than 4 weeks to reinitialize the record train field counter. | Error | Alerts |

4. Event History

4.1. Description of the History Window

Overview

The History window, accessible via the History menu, makes it possible to view all SNMP messages that have been generated in the past, and filter them based on several criteria (host, date, severity and event type).

The History window mainly consists of two panes for the selection of criteria on the left hand side (1, 2), and one pane for the display of filtered events on the right hand side (3). The areas are described below:



Area Description

| Part | Name | Description |
|------|-----------------|---|
| 1. | Host Selection | Tree of monitored devices that you can include or exclude from the search, using the check box in front of each group and host. |
| 2. | Filter Settings | Parameters to refine the search, in addition to the host selection: |
| | Start Date | Earliest event date to be taken into account in the search. |
| | End Date | Latest event date to be taken into account in the search. |
| | • Severity | Level of importance of the event to be taken into account in the search. |
| | Event Type | Type of event to take into account in the search. |
| 3. | Events | Result of the search based on the criteria defined in the Host Selection and Filter Settings area. At the bottom of the Events pane, the page number is displayed, and the following buttons are displayed: Refresh button to refresh the list of events Right and Left Arrow buttons to move in the results when the search returns more than one page. |
| 4. | Clear DB button | Button used to clean the alert database of the alerts. This can be useful in an OB van. |

The table below describes the various parts of History window:

4.2. Filtering Events

To filter events in XNet Web, proceed as follows:

- 1. In the Menu bar, click the History menu. This opens the History tab.
- 2. In the Hosts pane, select the hosts for which you want to view the generated SNMP messages.
- 3. In the Filtering Settings pane, select the filtering criteria among the following ones:
 - Event start and/or end date
 - Event severity
 - Event type

The list in the Events pane is dynamically updated taking into account the changes in the filtering criteria in the Hosts and Filtering Settings panes. You can however click the **Refresh** button at the bottom of the Events pane.


5. Server Maintenance Tasks

5.1. Multicam Upgrades

5.1.1. Description of the Install Versions Tab

Overview

The Install Versions tab available from the main Install window contains the areas highlighted on the following screenshot, and described in the table below:

| | | 2 | | | 3 |) |
|--|------------------------------------|----------------------------|-------------------|----------------------|----------------------|----------|
| Ionitoring History Configuration Install E | xtract log Keyword files | Help | | | | |
| Server Selection | Install Versions Re | emove Ins talled Vers | ions | | | |
| KNet Group RD 1 TC MUL R8D XT JMI Group RD 2 T2 16.110.2 | 100432 | Remove select | ted version Retry | Add version | | |
| ASTRO 2 Server01 T 172.16.20.40 | Name | Polling service | Installed version | Disk space 465 MB | Version 11.00.69 | Progress |
| v v 172.16.31.6 v v 172.16.10.40 ≡ | ×TC 172.16.31.6 ×T 172.16.10.40 | IPD-A013990 IPD-A013990 | 5 🛕 3 🏈 | 1306 MB 🔮 | 11.01.09 11.01.08 | |
| YFI2 Videohouse | Server01 | IPD-A013990 IPD-A013990 | 2 🕑 5 🛕 | 426 MB | 11.00.69 11.00.66 | |
| IDT Master02 Server01 Group RD 3 T ∠ SU | | | | | | |

Area Description

The table below describes the various parts of Install Versions tab:

| Area | a Name Description | | | |
|------|---|---|--|--|
| 1. | Server Selection area | This area displays the list of monitored EVS servers on which Multicam versions can be installed. | | |
| 2. | Version Installation buttons / fields | A series of buttons and fields is used in the installation process of a new Multicam version. For a full description, see the table below. | | |
| 3. | Servers List | This area displays the list of EVS servers selected in the Server Selection area. It gives information on the number of installed Multicam versions, the available disk space, the version currently used, the installation status (Progress), | | |

| Button / Field | Description |
|--------------------------------------|---|
| Select a Version field | Used to select a Multicam version present on the web server. '100432' on the above screenshot corresponds to the version 10.04.32. |
| Remove Selected Version button | Used to remove, from the web server, the Multicam version selected in the Select a Version field. |
| Add Version button | Used to select a Multicam version to be added to the web server. |
| Install button | Used to install the Multicam version selected in the field on the EVS server. |
| Abort button | Used to abort the installation of the Multicam version being installed. |
| Retry button | Used to restart an installation process which has not succeeded. |
| Next button | Used to skip the installation process on an EVS server and proceed to the next one. |
| Installation Process Status field | Gives information on the installation process. 'Idle' on the above screenshot. |

The table below describes the buttons and fields available in the Version Installation tab:

5.1.2. Installing a Multicam Version

Introduction

To remotely upgrade a Multicam version on one or several EVS video servers, the Multicam version must be previously added to the web server. Consequently, you will proceed in the following sequence:

- 1. Adding a Multicam Version on the Web Server
- 2. Installing a Multicam Version on an EVS Video Server

Limitations for the Installation of a Multicam Version

Web Server

Six Multicam versions maximum can be installed on the web server.

EVS Video Server

The installation process will not be possible in the following cases:

- They are already five Multicam versions installed on the EVS server.
- The space available on disk is not sufficient for a new installation.
- The upload of the version from the polling service to the server is not complete.
- The server is faulty.

Warnings and alerts related to the number of installed versions and disk space is provided by means of icons in the grid:

| Name | Polling service | Installed version | Disk space | Version |
|--------------------------|-----------------|-------------------|-------------|----------|
| 172.16.110.2 | IPD-A013990 | 1 🥑 | 466 MB 🛛 🔇 | 11.00.69 |
| I ≭s I <mark>XS5U</mark> | IPD-A013990 | 4 🥑 | 141 MB 🔒 🛕 | 11.00.68 |
| 172.16.10.30 | IPD-A013990 | 2 🔮 | 1618 MB 🛛 📀 | 11.00.62 |
| T 51740 | IPD-A013990 | 5 | 207 МВ 🛛 📀 | 11.00.66 |

How to Add a Multicam Version on the Web Server

1. In the Install Versions tab, click the Add Version button.

The following window appears:

| Select and | add a version file | × |
|------------|--------------------|--------|
| Version: | Select an version | Browse |
| | | |
| | Upload | Cancel |

2. Click the Browse button to select the version file.

The selected file is displayed in the Version field.

3. Click the Upload button.

The version is added on the web server, provided that there are not yet 6 versions installed on the web server.

How to Install a Multicam Version on an EVS Video Server

- In the Server Selection tree view, select the EVS video server(s) you want to install a Multicam version on.
- 2. In the Install Versions tab, click the arrow next to the Select a version rield.

The list of Multicam versions available on the web server is displayed.

3. Select a Multicam version from the drop-down list



4. Click the **Install** button.

The Multicam version is installed on the selected servers, provided that none of the limitations has been met.

Otherwise, an alert is displayed and the **Retry** button is made available to start the installation again.

5.1.3. Description of the Remove Installed Versions Tab

Overview

The Remove Installed Versions tab available from the main Install window contains the areas highlighted on the following screenshot, and described in the table below:





Area Description

| Area | Name | Description |
|------|-------------------------------------|---|
| 1. | Server Selection area | This area displays the list of monitored EVS servers from which Multicam versions can be removed. |
| 2. | Version Removal buttons / fields | A series of buttons and fields is used in the removal process of Multicam version from a server. For a full description, see the table below. |
| 3. | Servers List | This area displays the list of EVS servers selected in the Server Selection area. It lists all the Multicam versions installed an each server and allows the deletion of a version from an EVS server. |

The table below describes the various parts of Remove Installed Versions tab:

The table below describes the buttons and fields available in the Remove Installed Versions tab:

| Button / Field Description | | |
|-----------------------------------|--|--|
| Select a Version field | Used to select a Multicam version installed on an EVS server. | |
| Remove Selected Version button | Used to remove, from all the selected EVS servers, the Multicam version selected in the field. | |

5.1.4. Removing a Multicam Version

NOTE

Servers currently running Multicam 14 will not show Multicam 15 versions and higher.

How to Remove a Multicam Version from the Web Server

To remove a Multicam version from the web server, proceed as follows:

- From the Install Versions tab, click the arrow next to the Select a version rield.
 The list of Multicam versions available on the web server is displayed.
- 2. Select a Multicam version from the drop-down list



3. Click the Remove Selected Version button.

The version is removed from the web server.

How to Remove a Multicam Version from an EVS Server

To remove a Multicam version on a single EVS video server, proceed as follows:

- 1. In the Server Selection tree view, select the EVS video server(s) you want to remove a Multicam version from.
- 2. Open the Remove Installed Versions tab.

The grid displays the versions installed on all the selected EVS servers.

| Name | Version1 | | Version2 | | Version3 | | Version4 | | Version5 | | Version6 | | Version7 | | Version8 | | |
|--------------|----------------|---|----------------|---|----------------|---|----------------|---|----------|---|----------|---|----------|---|----------|---|--|
| EVSServerADL | 15.02.16.58907 | × | 15.01.29.56739 | × | 15.01.19.55511 | × | 15.00.49.53827 | × | 140209 | X | 140204 | × | 140127 | × | 140066 | × | |
| XT3-PGE | 15.02.16.58907 | × | 15.01.29.56739 | × | 15.01.19.55511 | × | 15.00.39.52143 | × | 140212 | × | 140209 | × | 140204 | × | 140130 | × | |
| XT3 PLAY | 125012 | × | 140224 | × | 125016 | × | | | | | | | | | | | |

3. Click the **Remove** button next to the Multicam version you want to remove on a specific server.



How to Remove a Multicam Version from all EVS Servers

To remove a Multicam version on a single EVS video server, proceed as follows:

- 1. In the Server Selection tree view, select the EVS video server(s) you want to remove a Multicam version from.
- From the Remove Installed Versions tab, click the arrow next to the Select a version included field.

The list of Multicam versions installed on EVS servers is displayed.

- 3. Select a Multicam version from the drop-down list.
- 4. Click the **Remove Selected Version** button.

The version is removed from all the $\ensuremath{\mathsf{EVS}}$ servers.

5.2. Remote Access to an EVS Server

5.2.1. Accessing Remotely a Server Desktop

When you are logged on as an administrator, you can remotely access a server desktop.

To access remotely a server desktop, proceed as follows:

1. From the Monitoring window, select the server you want to access.

2. Click the XT server - Remote desktop button .

The Remote Desktop window opens:

| IP Ad | dress: EVSServerA | DL - 10.129.59.20 ¥ | |
|--|--|--|--|
| CLIP:01 ADL XT3 (Lo | :) REC:01 ADL XT3 (L | oc) TOT.0051 CLP:27: | 52:00 REM:15h43m .kc |
| F1:NAME F2:CLIP F3:0 | ALL F4:PREF F5:VIEW 111B= 111F 111J | F6:KW1 F7:KW2 F8:SR 111C 111G 111K | I11D A 111H A 111L A |
| N 112A* | 112B | 112C | 112D |
| K 112E= | 112F | 112G | 112H |
| 112I | 112J | 112K | 112L |
| 113A* | 113B | 113C | 113D |
| 113E= | 113F | 113G | |
| 113I | 113J | 113K | |
| 114A* | 114B | 114C | 114D |
| 114E= | 114F | 114G | 114H |
| 114I | 114J | 114K | 114L |
| 115A* | 115B | 115C | 115D |
| 115E= | 115F | 115G | 115H |
| • 115I | 115J | 115K | 115L |
| NAME N | CDE CAM ALT+P:/▶ - - CTL+X:CUT 6 7 8 9 0 BAI | ALT+R:RECUE ALT+T: | SET TC ALT+Z:>ARCHIVE |
| CLIPBOARD/ | | CTL+C:COPY CTL+V: | PASTE CTL+DEL:DELETE |
| PAGE>1< 2 3 4 5 | | NK >1< 2 3 4 5 6 | 7 B 9 PL |
| Esc F 1 2 Tab c Caps Shift Ctrl F | 1 F2 F3 F4 F5 F 3 4 5 6 7 8 1 w e r t y a s d f g h z x c v b n n Alt ` ` | 6 F7 F8 F9 F10 9 0 - = Bksp u i 0 p [] j k I ; ' m , . / Shift Ins Del | Prt Sc Home \ PgUp ter PgDn ↑ End ↓ → |

From this window, you are able to navigate through Multicam exactly as if you accessed them from a keyboard.

5.2.2. Accessing the Multicam Web Setup

When you are logged on as an administrator, you can access the Multicam Web Setup page to change the server configuration.

To do so, proceed as follows:

- 1. From the Monitoring window, select the server you want to access.
- 2. Click the XT server Remote configuration button .

The Multicam Web Setup window opens.

Refer to the EVS Server Configuration manuals for more information.

5.2.3. Accessing Remotely an LSM Remote Panel

When you are logged on as an administrator, you can take the control of an LSM Remote panel connected to a server. This command should however be used very carefully.

To access remotely an LSM Remote panel, proceed as follows:

1. From the Monitoring window, select the server you want to access.



2. Click the XT server - Remote control button 🬌.

The LSM Remote Panel window opens:

| ANet Web Remote L | 5M |
|--|--|
| IP Address: Available Ports: Status: | 172.16.10.50 ¥ Remote on R5422 #1 ¥ Avalable ports updated |
| Start | |
| | A 8 C D F2 P3 P4 P5 P6 P7 P3 P9 P10 CLEAR BHTEP |
| Hie | |

3. Once all the available ports have been updated, select the port corresponding to the remote LSM device from the **Available Ports** list.

4. Click the **Start** button to start the connection.

The window display represents the LSM Remote Panel, from which you can use the different commands, in the same way as when you manipulate directly the LSM Remote Panel.

| A XNet Web Remote LSM |
|---|
| IP Address: 172.16.10.50 * Avalable Ports: Remote on R5422.81 * Status: Done |
| FRETI*Cam A FRETZ Cam B FRETZ Cam C And.Met. PgmSpd Sort->FC PostRoll Suri For Id Search Fred P.1 B.1 Connecting Fred P.1 B.1 Sync To Fred Red 1 Fod 2 Fred 1 Toggle A B C D Connecting F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 CEAR ENTER CEAR ENTER |
| |
| |



5.3. Keyword File Management

5.3.1. Description of the Keyword Files Window

Overview

The Keyword Files window makes it possible to manage the keyword files on EVS servers.

The Keyword Files window available from the menu bar contains the areas highlighted on the following screenshot below, and described in the table below:

| 0 | 2 3 |
|---|--|
| Monitoring History Configuration Install I | ixtract log Keyword files Help * |
| Server Selection | Keyword file upload |
| | Keyword Select a keyword file Browse Stevt Aboxt Idle |
| ASTRO 2 | Available konward filer |
| Server01 | |
| 172.16.20.40 | Harris CMUL R&D XT C integra |
| XS50 | SAMPLE 🗙 NEXT2 🗶 SAMPLE 🗶 |
| 172.10.31.0 | SAMPLE 🗙 NEXT 🗶 |
| Master03 | NEXT 🗙 NEXT2 💥 |
| YFI2 | kwd_imi 🗶 |
| xre Videohouse | CLENT 🗙 |
| LDT | SERVER 🗶 |
| xrc Server01 xr XT 51740 ▲ Group RD 3 | |

Area Description

The table below describes the various parts of Keyword Files window:

| Area | Name | Description |
|------|----------------------------|--|
| 1. | Server Selection | This area displays the list of monitored EVS servers on which keyword files can be uploaded. |
| 2. | Keyword File Upload | This area is used to select keyword files and to start the upload process. It also displays information on the progress of keyword files upload. |
| 3. | Available Keyword Files | This area shows the keyword files already available on the EVS servers selected in the Server Selection area. |

The table below describes the buttons and fields available in the Keyword file upload and Available Keyword Files panes:

| Button / Field | Description |
|---------------------|---|
| Keyword File field | Shows the keyword file name selected for upload. |
| Browse button | Used to select the keyword file to upload. |
| Start button | Used to start the keyword file upload on the selected EVS servers. |
| Abort button | Used to abort the keyword file upload process. |
| Upload Status field | Gives information on the upload process. 'Idle' on the above screenshot. |
| Remove button 🗙 | Used to delete the log file from the EVS server. |

5.3.2. Uploading a Keyword File on an EVS Server

To upload a keyword file on an EVS server, proceed as follows:

 In the Server Selection tree view, select the EVS video server(s) on which you want to upload keyword files.

The selected servers are displayed in the Available Keyword Files area, together with the keyword files already present on each server.

- 2. In the Keyword File Upload area, click the Browse button to select the keyword file. The selected file is displayed in the **Keyword File** field.
- 3. Click the Start button.

The upload process of the keyword file begins on all the selected servers.

Once the upload is completed, the new keyword files are displayed in the Available Keyword Files area.

5.4. Server Log Extraction

5.4.1. Description of the Extract Log Window

Overview

The Extract Log window allows users to extract logs from the EVS servers and transfer them to the web server. The log files can then be downloaded from the web server for analysis.



The Extract Log window available from the menu bar contains the areas highlighted on the following screenshot, and described in the table below:

| Interve Control Value Control Control <thc< th=""><th>1</th><th>2</th><th></th><th></th><th></th><th>3</th><th></th></thc<> | 1 | 2 | | | | 3 | |
|---|--|--|----------------------|--|----------------------|-------------|-----------|
| Log extraction Constract log files 2 yrate for the theory is for the theory is constraining pCP. NR free /CLSMCE/DATAEVS Image: Data file theory is constraining pCP. NR free /CLSMCE/DATAEVS 1 = free files Progress Image: Data files theory is constraining pCP. NR free /CLSMCE/DATAEVS 1 = free files Progress Image: Data files 1470012 550.35 Pl 14700.2 * • • • • • • • • • • • • • • • • • • | Monitoring History Configuration Install | ract log Ke word files Help * | | | | | Logo |
| Encod Anot Image: Droug ID 1 Image: Droug ID 1 Image: Droug ID 2 Image: Droug ID 2 I | Log extraction | | | Extracted Log files | | | |
| Image (D) | A THE XPLAT | Educe Abort | | Name | Data | Ele Name | Actions |
| Indeption 1 (a March 1000) (add not to (add not (| Croup RD 1 | integra: Developing EVS. INI. from | ICA SMCE/DATA/EVS | | Date | File Mainle | ACCOUNTSA |
| i wirdu Name Progess iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | XT2+TEST | integra: cownoading evs.tra ironi, | | Group RD 1 (4 dev | rices) | | |
| Image: | | Name Progress | | XI2+IEST | 4/17/2012 6-60-26 00 | 10750 min | 2.11 |
| Image integra Downloading EVS.NI from //DLS/INCEDATAEVS Image integra Image integ | TEV Integra | MUL R&D XT JMI Log files successfully ex | xtracted 🥥 | Hams | 1/1//2012 5.50.35 PM | 10/30.2ip | +* |
| Image: Program (1) (2) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3 | 🖌 🔤 🔲 Group RD 2 | Downloading EVS.INI fro | om /C/LSMCE/DATA/EVS | MUL R&D XT JMI | | | |
| Image: Additional servers in the se | 172.18.110.2 | | | Exelintegra | | | |
| i Stradii imit 72:8519.0 i 172:8519.0 imit 72:8519.0 i 172:8519.0 imit 72:852.0 i 172:852.0 imit 72:852.0 | ASTRO 2 | | | 🖯 Group RD 2 (14 de | vices) | | |
| Image: Algorithm Image: Algorithm Image: Algorithm | Server01 | | | 172.16.110.2 | | | |
| Image: Provide State St | × 2001 | | | ASTRO 2 | | | |
| Image: Inf2:18:18:00 Image: Inf2:18:18:00 Image: Inf2:18:18:00 | 172.16.31.6 | | | Server01 | | | |
| Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction <t< td=""><td>172.18.10.40</td><td></td><td></td><td>172.16.20.40</td><td></td><td></td><td></td></t<> | 172.18.10.40 | | | 172.16.20.40 | | | |
| Image: | Master03 | | | INS XS5U | | | |
| Image: | 200 YFI2 | | | 172.16.31.6 | | | |
| Image: Construction Image: Construction Image: Construction Image: Construction | Videohouse | | | 172.16.10.40 | | | |
| Image: Mage: Mage | ET 101 | | | Master03 | | | |
| Line Stread 1 Line Stread 1 Line Stread 1 | Master02 | | | YFI2 | | | |
| Image: | Server01 | | | Videohouse | | | |
| Image: | X1 51749 | | | LOT | | | |
| III: ATL_0001 III: III: ATL_0001 III: III: ATL_0000 III: III: ATL_00000 III: III: ATL_0000000 III: III: ATL_000000000000000000000000000000000000 | T01MachinejauneMaster044 | | | Master02 | | | |
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Area Description

The table below describes the various parts of Extract Logs window:

| Area | Name | Description |
|------|---------------------------------|--|
| 1. | Server Selection area | This area displays the list of monitored EVS servers from which logs can be extracted. |
| 2. | Log Extraction buttons / fields | This area is used to start the log extraction process and to display information on the progress of log extraction. |
| 3. | Extracted Log Files grid | This area shows, for the EVS servers selected in the Server Selection area, the date of log extraction, the name of the extracted log file, and it provides buttons to download the file from the web server or to delete the log file. |

The table below describes the buttons and fields available in the Log Extraction and Extracted Log Files panes:

| Button / Field | Description |
|----------------------------|--|
| Extract button | Used to start the log extraction from the selected EVS servers. |
| Abort button | Used to abort the log extraction process. |
| Extraction Status field | Gives information on the extraction process. 'Integra:Downloading EVS' on the above screenshot. |
| Download ^{button} | Used to download the log file from the web server. |
| Remove ^{button} 🗙 | Used to delete the log file from the web server. |

5.4.2. Extracting Logs from an EVS Server

To extract logs from an EVS Server, proceed as follows:

- 1. In the Server Selection tree view, select the EVS video server(s) you want to extract logs from.
- 2. Click the Extract button.

Logs are extracted for the selected servers one by one.

| Monitoring History Configuration Install | Extract log Keyword files | Help - | | | | | | Ô | Logout |
|--|---------------------------|---|---|------------------|------------|----------------------|-----------|---------|----------|
| Log extraction | | | | Extracted Lo | g files | | | | |
| a 🚈 🗖 XNet | | Abort | | Name | | Date | File Name | Actions | |
| Group RD 1 | MUL R&D XT | JMI: Downloading INFO.INI from /C/LSMCE/DATA/ |] | Group R | D 1 (4 der | vices) | | | <u>^</u> |
| Harris | Name | Progress | | XT2+TE | ST | | | | 1 |
| MUL RAD XT JMI | MUL R&D XT JMI | Downloading INFO.INI from /C/LSMCE/DATA/ | | Harris | | 1/17/2012 5:50:35 PM | 18750.zip | ЭХ | 18 |
| A Coup RD 2 | integra | Log extraction not started | | MUL R8 | D XT JMI | | | | |
| xT 172:16:110:2 xT ASTRO 2 | | | | Group R | D 2 (14 de | evices) | | | |
| Server01 | | | | x 172.16. | 10.2 | | | | 1 |
| ×* 172.16:20.40 | | | | | | | | | |

When the logs have been extracted for all selected EVS servers, the log extraction date and the name of the log file is displayed in the Extracted Log Files area.

| gextraction | | | | _ | Extracted Log mes | | | | |
|---|---|--|---|--------|----------------------|--|-----------|---------|--|
| 🚛 📃 XNet | ^ | Extract | Abort | | Name | Date | File Name | Actions | |
| Group RD 1 | | integra: Log files successfully extracted | | | Group RD 1 (4 dev | G Group RD 1 (4 devices) | | | |
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| A Crown PD 2 | | Auginteora | Log files successfully extracted | | MUL R&D XT JMI | Date File Name Actions D1 (d devices) | | | |
| 172.16.110.2 | Ε | | | - 11 | meintegra | 1/26/2012 11:03:22 AM | 21410.zip | ЭX | |
| ASTRO 2 | | | | | 🕀 Group RD 2 (14 de | vices) | | | |
| 172 16 20 40 | | | | | 172.16.110.2 | | | | |
| YSSU | | | | | | | | | |



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