

# ***CASTELSUPERVISEUR***

## ***User Manual***



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## FORWARD

**CASTELSuperviseur** is a graphical supervision tool providing alarm-reporting features with events coming from VDIP's network material devices. Depending of the configuration parameters, **CASTELSuperviseur** will provide:

1. A real-time updating process for consultation tables
2. A real-time animation with icons and sound effects on synoptic view based on geographical plan
3. A real-time updating process for alarms and events table and events
4. Synoptic view sequencing by simple mouse clicks
5. Events, alarms, stat changes recording in a database
6. Alarms generation on state changes. Each alarms can be associated
  - a. With remote processes like SMS or email sending or pop-up window display
  - b. With instructions to perform
  - c. With print processes
7. A specific visualization for communications type events

There are two different releases available for **CASTELSuperviseur**

- One allowing up to 500 supervision points
- One with no restriction on the number of points

The configuration part is different software. The supervision software is then divided in two parts

1. CASTELConfigSuperviseur for application configuration
2. **CASTELSuperviseur** for operating processing

## CASTELSUPERVISEUR DESCRIPTION

**CASTELSuperviseur** is the software provided to supervise a site equipped with VDIP material architecture. **CASTELSuperviseur** is installed on a server PC called "Server PC" and can be used by all other PC connected on the network with a simple web navigator. A using restriction by login and password is also featured.

The links between VDIP module and the peripheral devices is provided by the software application called **CASTELServeur**, which has a centralized role. **CASTELServeur** is usually installed on a server PC (see CASTELServeur User's manual).

With **CASTELSuperviseur**, a user can consult events and alarms in real-time mode with graphical view or tables. Three type of events recording are provided : All events recording, alarms recording and values recording.

It allows also the user to command in a remote way inputs or outputs of the VDIP material architecture.(For example :inhibit inputs, activate outputs)

## NETWORK CONFIGURATION

**CASTELSuperviseur** is normally installed on the same PC than CASTELServeur but can also be installed on any PC of the local network. In order to get events from the material architecture, **CASTELServeur** application must be running while **CASTELSuperviseur** is used. It requires also a database connection to get the current configuration and to record the needed events.

## SOFTWARE REQUIREMENTS

To install **CASTELSuperviseur** on the PC server, the following software (provided with VDIP CD) are needed :

1. Tomcat 5.5
2. Apache 2.0
3. A database ( Microsoft SQL Server, Oracle....)
4. Sun Microsystem JDK 1.7

On the client PC, must be installed Sun Microsystem JRE 1.7 to display the dynamical pages using Java applet.

## CASTELSUPERVISEUR INSTALLATION

### Prerequisite

---

Beforehand, **CASTELSuperviseur** requires some mandatory elements like:

- All material parts should be installed and well configured ,
- To know the material interfaces, **CASTELAcces** requires CASTELServeur installation. To do this, please see **CASTELServeur** installation user's manual.

## CASTELSuperviseur installation

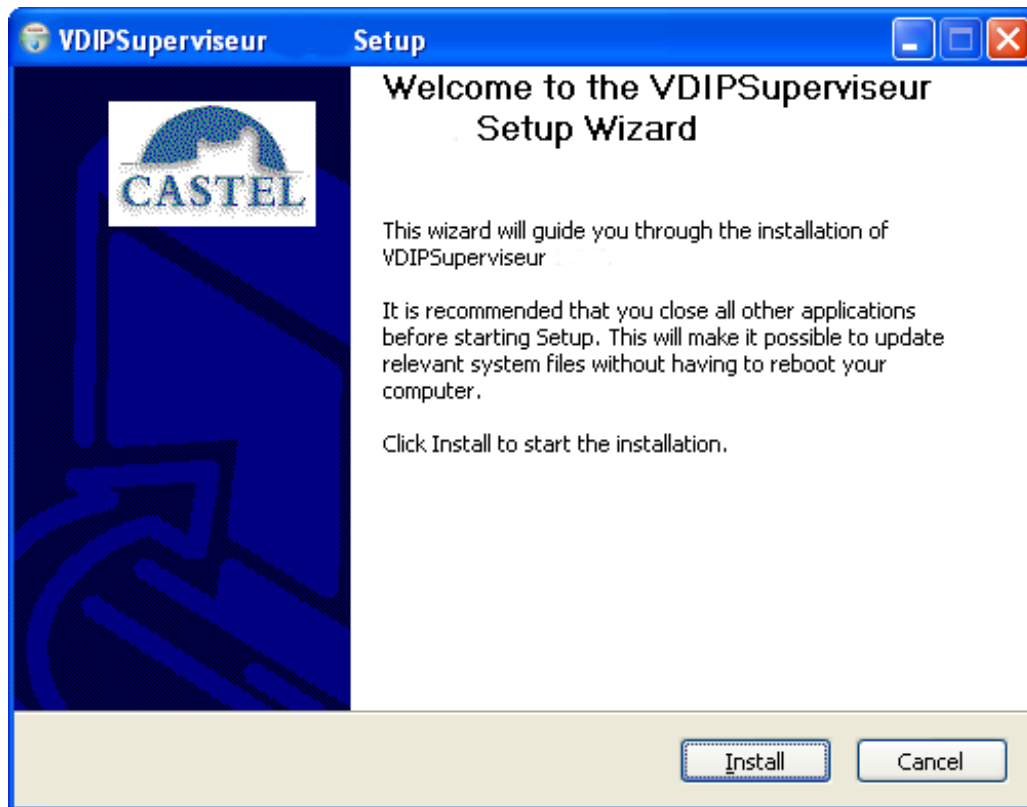
---

Before installation, check that CASTELServer is installed.  
On the VDIP installation CD, launch "DeployCASTELSuperviseur.exe"

1. The following window will appear :

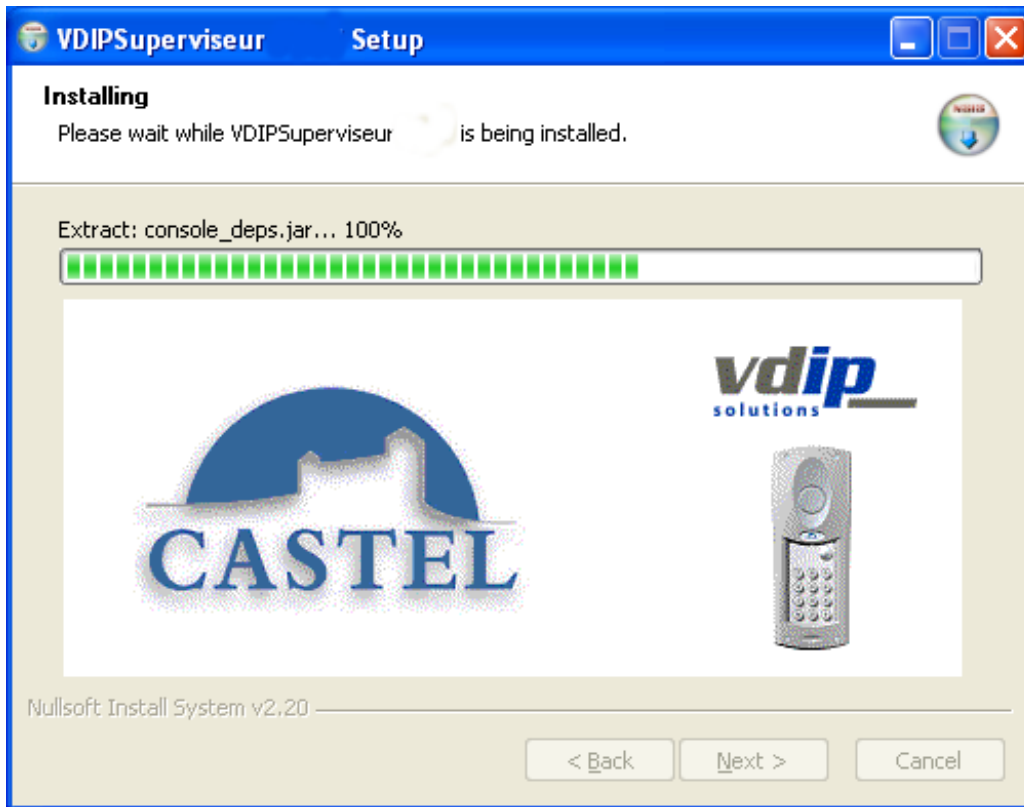


2. Select the language and then click OK

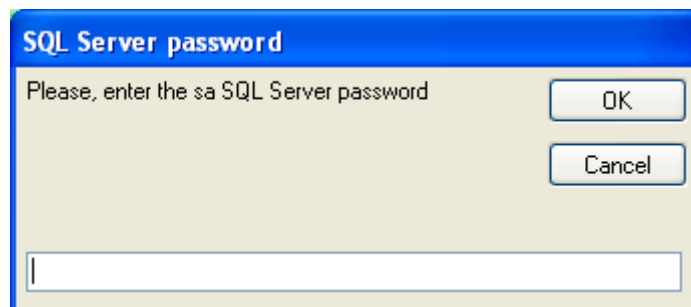


Then click « Install ».

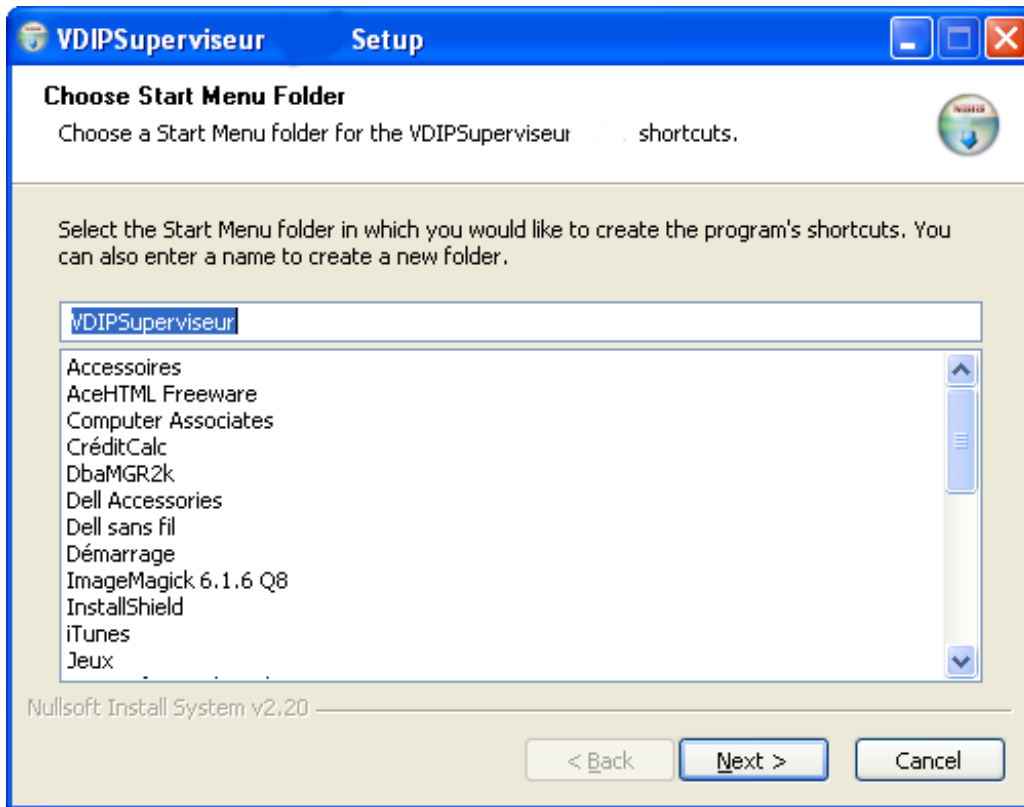
3. The installation will run :



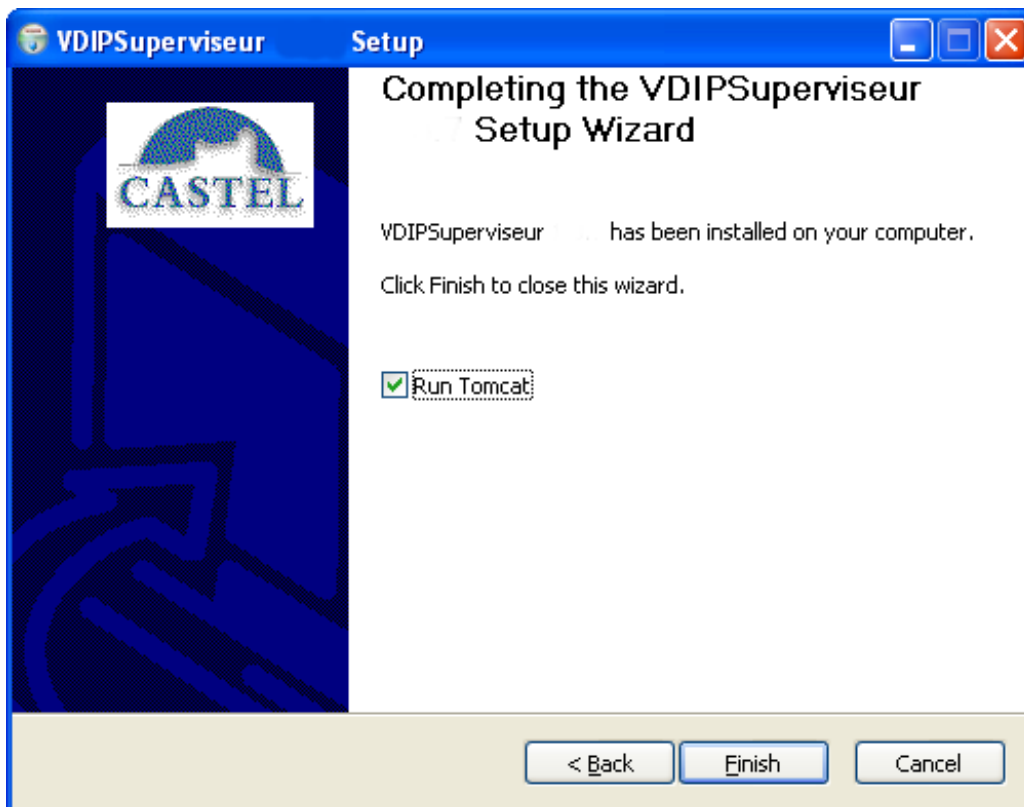
- Eventually, if the super administrator « sa » password is not « sa », the user will be prompted in order to enter this password. This password is mandatory for SQL scripting in cas of databasetable updating.



- The following window will appear in order to choose the Start Menu Folder:



6. Once the installation is ended, the following window will appear :





## « System.xml » file

---

« System.xml » is the application configuration file. To open it, please launch « Démarrer→ Programmes→ CASTELSuite→ CASTELSuperviseur→System.xml ».

It allows the user to configure the following items :

### Database access

---

The following XML element is used :

```
<bdd>
  <factory>asy.utils.data.SqlServerDataSourceFactory</factory>
  <factoryOracle>asy.utils.data.OracleDataSourceFactory</factoryOracle>
  <nom> XNetSuperviseur </nom>
  <instance> vdip</instance>
  <adresse>localhost</adresse>
  <port>1433</port>
  <user>vdip</user>
  <pass>C@ste!49</pass>
  <service></service>
</bdd>
```

Only the **bold** fields can be modified:

1. **factory** : Rename <factory> tab by <factoryMSDE> and <factoryOracle> by <factory> for an Oracle configuration as VDIP works with <factory> tag.
2. **adresse** : IP Address used by the PC that holds the database,
3. **port** : TCP/IP port number used by database to provide a client communication with the TCP/IP network protocol. (default 1433),
4. **user et pass** : Login and password used to connect to the database.

**Oracle release** : In order to specify an Oracle database, modify « system.xml » file like following :

```
<factoryMSDE>asy.utils.data.SqlServerDataSourceFactory</ factoryMSDE >
<factory>asy.utils.data.OracleDataSourceFactory</factory>
```

### Default language for application

---

The following part is used :

```
<language>
  <default>en</ default >
</language>
```

Please specify the default language :

1. fr : french
2. en : english

### Commandes parameters for CASTELSuperviseur

---

The following part is used :

```
<command>
```

```

<start_force_output>
  <delay>0</delay>
  <tempo>0</tempo>
</start_force_output>
<stop_force_output>
  <delay>0</delay>
</stop_force_output>
<disable_input>
  <delay>0</delay>
  <tempo>0</tempo>
</disable_input>
<force_disable_input>
  <delay>0</delay>
  <tempo>0</tempo>
</force_disable_input>
</command>

```

These values are parameters used when a user does a remote command from the menu or by clicking on a point. "delay" value is the delay time before starting action. «tempo" is the duration of the action.

## Other parameters

---

The following part is used:

```

<webui>
  <session>
    <timeout>1800</timeout>
  </session>
  <table>
    <nb_rows>20</nb_rows>
  </table>
  <realtime>
    <nb_rows>20</nb_rows>
  </realtime >
  <scrollable>
    <height>500px</height>
  </scrollable>
  <synoptic>
    <width>1150</width>
    <height>800</height>
    <offsetx>36</ offsetx >
    <offsety>348</ offsety >
  </synoptic>
  <synopticanalarm>
    <totalwidth>1230</totalwidth>
    <totalheight>750</totalheight>
    <synopticwidth>1230</synopticwidth>
    <synopticheight>630</synopticheight>
    <alarmrows>3</alarmrows>
  </synopticanalarm>
  <synopticancommunication>

```

```

    <totalwidth>1230</totalwidth>
    <totalheight>750</totalheight>
    <synopticwidth>1230</synopticwidth>
    <synopticheight>630</synopticheight>
  </synopticancommunication>
</webui>

```

1. session.timeout : specify the number of minutes the application maintains a user's session information since the last page request (-1 for no timeout),
2. table.nb\_rows : indicate the number of rows by page for the web page displaying a list of data.
3. realtime → nb\_rows : indicate the number of rows displayed on the real time web pages(alarms, defaults, events)
4. scrollable.height : specify the height value used for tables. If a table is higher than this value, a scrollbar will appear
5. synoptic.width : Width value of the displayed synoptic for simple synoptic view
6. synoptic.height : Height value of the displayed synoptic for simple synoptic view
7. synoptic -> offsetx : Video popup parameters. The video popup will be displayed with the following x parameters: Selected point x parameter + this offsetx.
8. synoptic -> offsety : Video popup parameters. The video popup will be displayed with the following y parameters: Selected point y parameter + this offsety.
9. synopticanalarm → totalwidth : Width value of the all page displaying synoptic and alarms view
10. synopticanalarm → totalheight : Height value of the all page displaying synoptic and alarms view
11. synopticanalarm → synopticwidth : Width value of the displayed synoptic for the page displaying synoptic and alarms view
12. synopticanalarm → synopticheight : Height value of the displayed synoptic for the page displaying synoptic and alarms view
13. synopticanalarm → alarmsrows : Number of rows for current alarms for the page displaying synoptic and alarms view
14. synopticancommunication → totalwidth : Width value of the all page displaying synoptic and communications view
15. synopticancommunication → totalheight : Height value of the all page displaying synoptic and communications view

16. synopticancommunication → synopticwidth : Width value of the displayed synoptic for the page displaying synoptic and communications view
17. synopticancommunication → synopticheight : Height value of the displayed synoptic for the page displaying synoptic and communications view

### Trace parameters

---

The following part is implicated:

```
<trace>
  <state>1</state>
  <mode>FILE,CONSOLE</mode>
  <nb_logs>2</nb_logs>
  <size>10000000</size>
  <path>C:\Program Files\CASTELSuite\Superviseur_log</path>
</trace>
```

Only the **bold** fields can be modified:

1. **nb\_logs**: Maximum number of log file to keep. Beyond this value, the older files are removed from the hard disk.
2. **size**: Maximum size of log files in bytes.
3. **path**: Directory used for log files.

### Application data save parameters

---

The following part is implicated:

```
<datasave>
<path>C:\Program Files\CASTELSuite\Datasave</path>
</datasave>
```

Only the **bold** fields can be modified:

1. **path** : Directory where database should be saved.

### Special parameter for badging events

---

The following part is implicated:

```
<badging>
  <tempo>6000</tempo>
</badging>
```

A point whose states are mapped with a badging event is particular because there is not an event that permit to change back to normal state. Therefore, VDIMonitor put automatically these points to normal state after a delay specified by this tag. The value is in milliseconds.

## Various settings related to test connection diagrams

---

This is the next part of the file "System.Xml"

```
<ping_applet>
  <activated>true</activated>
  <frequency>60000</frequency>
</ping_applet>
```

The synoptic applet running in a web browser connected to the "synoptic" page conducts regular tests of connections to the server VDIP. This is to warn a person connected that CASTELServer is stopped.

By default, the test connection is enabled and the frequency is 60 seconds.

## Parameter related to « video » feature

---

By default, the feature that provide video stream in synoptic pages is deactivated.

To enable this feature, use the following part :

```
<video>
  <active>true</active >
</video >
```

## Parameter related to « communication » feature

---

By default, the feature that provide "communication points" in synoptic pages is deactivated.

To enable this feature, use the following part :

```
<communication>
  <active>false</active >
  <buttons>false</buttons >
  <blink>true</ blink >
</communication >
```

Only the **bold** fields can be modified:

1. **active**:
  - a. true : "communication points" management is active.
  - b. False : "communication points" management is not active.
2. **buttons** :
  - a. true : Bar with 2 buttons to activate the Speak/Listen mode and release the current call is displayed.
  - b. False : No bar are displayed.
3. **blink** :
  - a. true : A specific flash is enabled on such communication points
  - b. False : No specific flash.

## Parameter related to Alarm Popup

---

This is the next part of the file "System.Xml"

```
<popupalarm>
  <active>false</active>
</popupalarm>
```

Only the **bold** fields can be modified:

1. **active**:

- a. true : Popup alarm is displayed when an alarm occurs.
- b. False : No popup alarm.

## Reserved CASTEL

---

```
<QueueSize>
  <ClientInfoInitialCapacity>30000</ClientInfoInitialCapacity>
  <EventManagerInitialCapacity>30000</EventManagerInitialCapacity>
</QueueSize>

<ping_applet>
  <activated>true</activated>
  <frequency>60000</frequency>
</ping_applet>
```

## « Resources » directory

---

**CASTELSuperviseur** uses graphical and audio files available under "resources directory.

**Note:** Don't use image files stored anywhere else than in « resources » directory.

## « terminal.xml » file

---

The « terminal.xml » file is used to configure the mail server for mail sending and to define the serial port used to communicate with a GSM modem.

This file can be found under "Program Files/CASTELSuite/Tomcat6/webapps/CASTELSuperviseur  
Use NotePad or another editor to modify it :

```
<email>
  <host>[host].smtp.fr</host>
  <user>[user]</user>
  <pass>[password]</pass>
  <from>[email address]</from>
</email>
```

1. host : Mail server name,
2. user/password : Login and password used for SMTP server connection,
3. email address : Mail address used to send mail ( sender mail)

```
<port>
  <name>COM3</name>
  <baud>9600</baud>
</port>
```

1. name : Serial port used to connect the GSM modem,
2. baud : Speed of the connection.

## CASTELSUPERVISEUR FIRST USE

### Documentation

---

The documentation about **CASTELSuperviseur** is constituted by this manual and by an online documentation reachable by a click on the help icon displayed on each dialog box.

### Software launching – First recommendations

---

To launch **CASTELSuperviseur**, use « Démarrer→ Programmes→ CASTELSuite→ CASTELSuperviseur→CASTELSuperviseur ».

First, you must configure the users rights in order to permit or not the access to the application. This is done with **CASTELServeur** application where you must configure the users and the features they are allowed to use. (See **CASTELServeur** user's manual)

This step means to:

- Specify the configuration and exploitation features associated to each user.
- To restrict the access to **CASTELSuperviseur** to the specified users.

**Important: For the installation of the Apache license and the use of Java applets, refer to the CASTELServeur instructions.**

### Identification

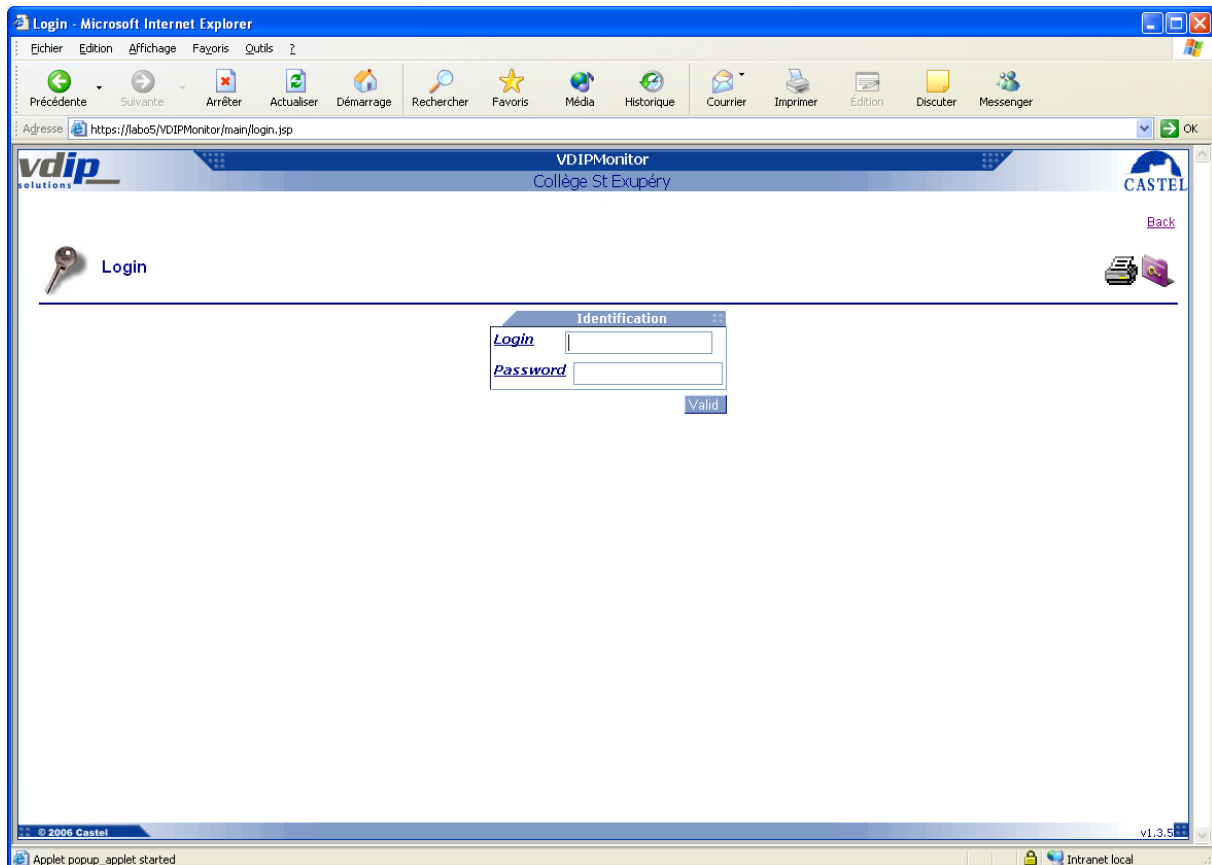
---

1. Please enter the login and password (configured in **CASTELServeur** with rights to **CASTELSuperviseur** features). By default, use « castel/castel » as a default manufacture login/password couple.
2. Once the login is accepted, you must enter the licence key provided by the manufacturer. Copy then paste the key from the licence file provided on the VDIP CDROM to avoid mistakes.

## CASTELSUPERVISEUR WEB PAGES

### Connection to the application

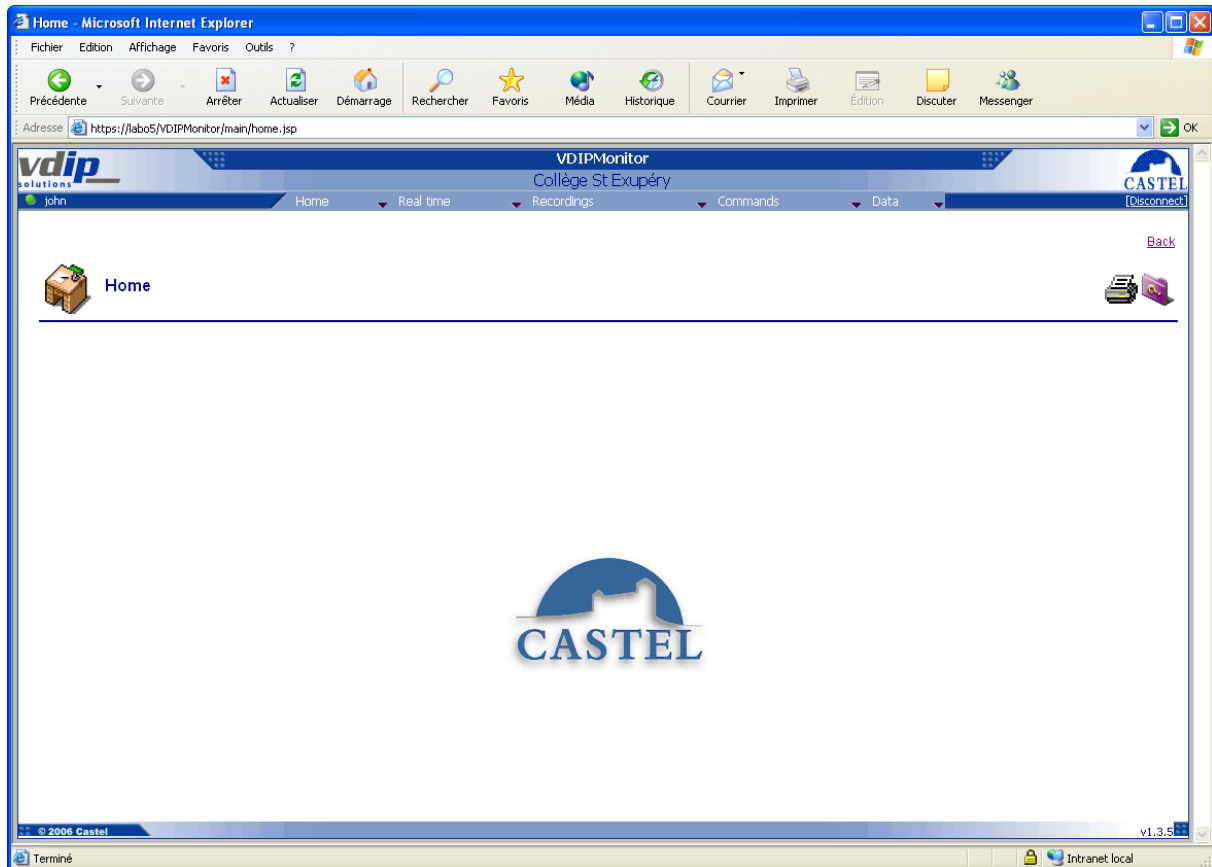
#### Authentification



- ❑ This page provides the identification process to the **CASTELSuperviseur** application
- This page is reachable from the menu [Home/Connection](#)
- ✓ Enter your login and password then confirm your entry. First, the login and password should have been configured in CASTELServer. Use the manufacturer default identification "castel/castel" for the first use.
- ✓ Login and password are mandatory. The password will appear in a hidden way (\*\*\*\*) in order to ensure confidentiality.



## Home page

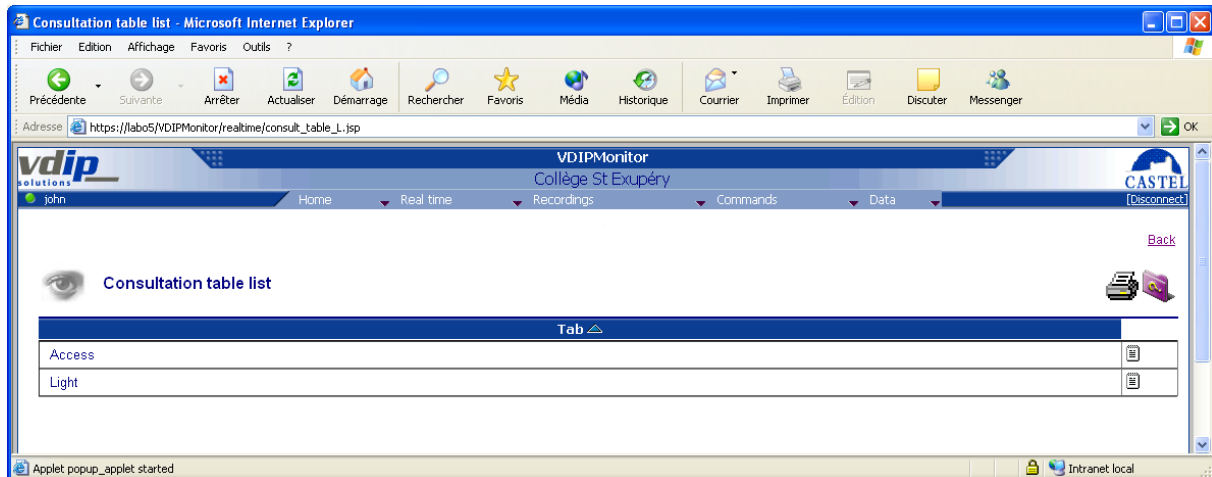



- ❑ This page is the home page of **CASTELSuperviseur** application. It shows:
  - One horizontal menu bar providing access to all CASTELSuperviseur features,
  - One head bar
    - Displaying the feature title,
    - Providing a quick link to previous page,
    - Providing a button to print the current screen
    - Providing a button to access the help page of the current feature
  
- This page is reachable from the following menu [Home/Home](#)

## Real time

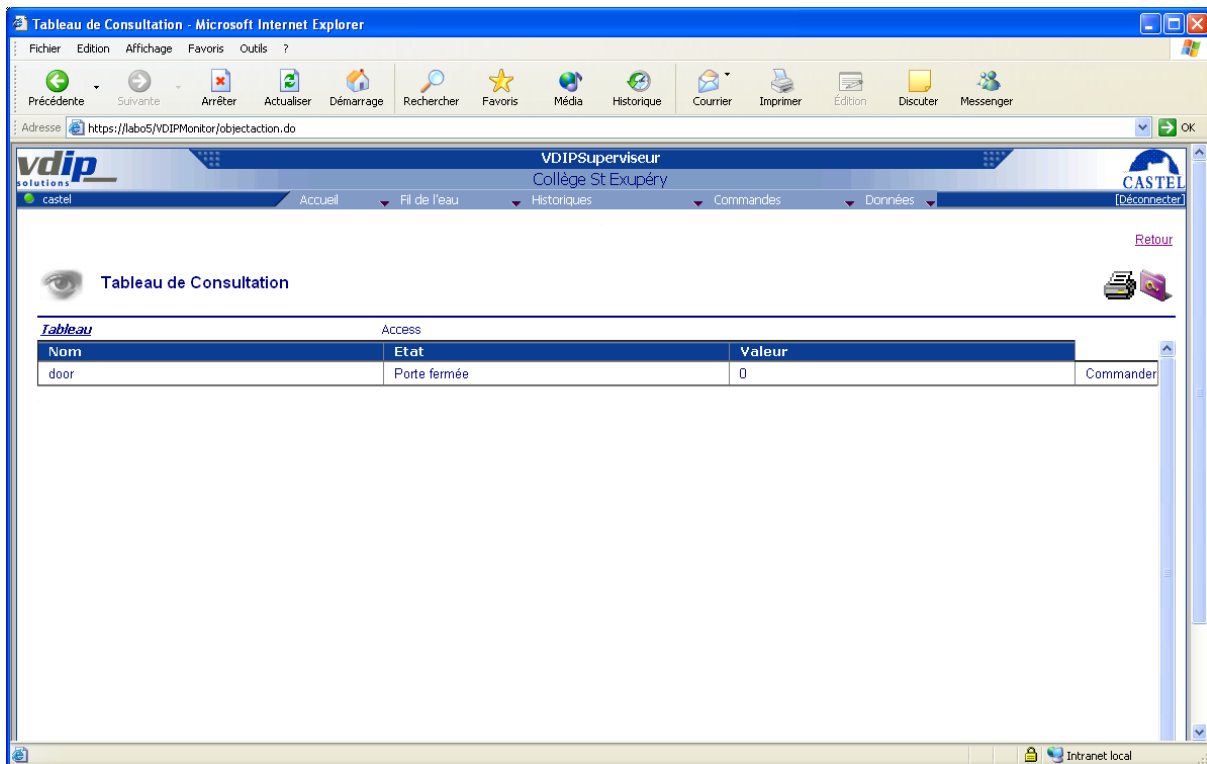
### States


#### Consultation tables list



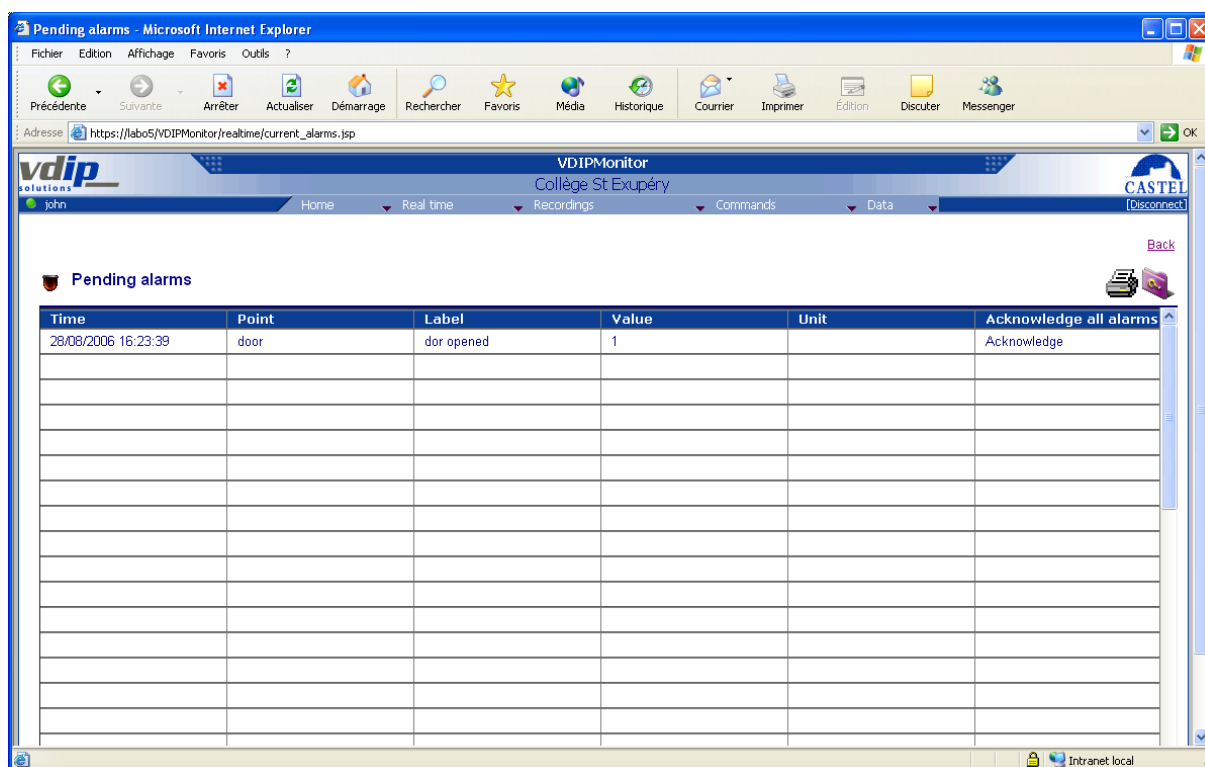
- ❑ This page shows the consultation tables list with the following details:
  - Consultation table name,
- ❑ Each column can be sorted in Ascending ▲ or Descending ▼ order by a click on the column header list.
- ❑ The list items are displayed depending on the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.
- This page is reachable from the following menu [Real Time/Consultation table](#)
- The visualisation of a specific [consultation table](#) is performed with view button .

## Consultation table

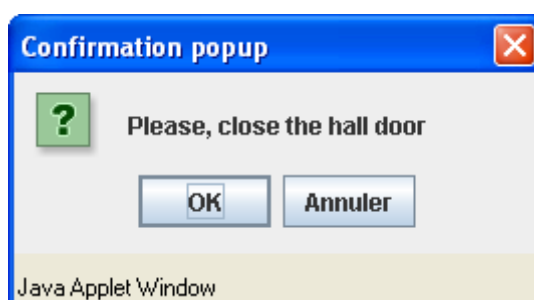


- ❑ This page displays the current states of points included in the selected consultation table with the following details:
  - Monitored point name,
  - Current point state,
  - Current point value
- ❑ A point value depends of the type of point:
  - Logical point: 2 possible values (0 or 1, On or Off, Open or Closed)
  - Numeric point: 5 possible values, each state match with a threshold value.
- ❑ This page is updated periodically depending on events occurring on the material device interfaces.
- This page is reachable by clicking on the view button  associated to a consultation table in the page [Consultation table list](#)

## Alarms



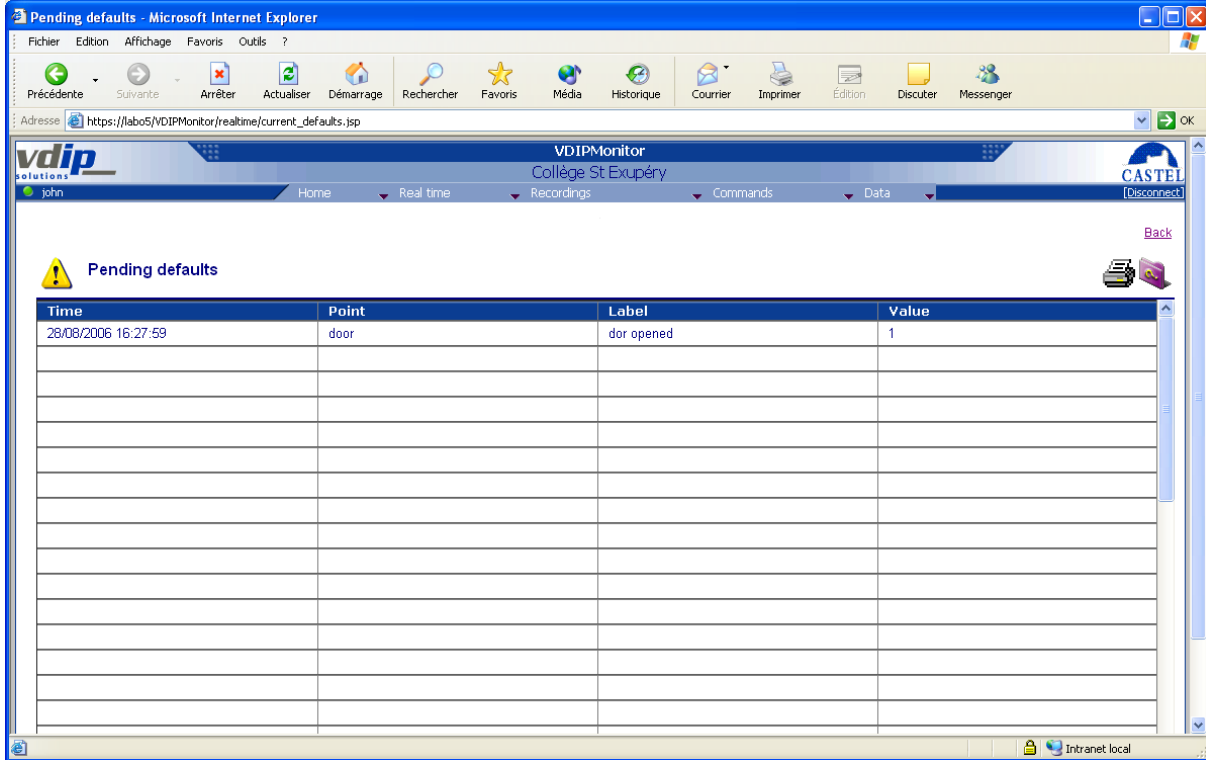
- ❑ This page displays the current alarms with the following details:
  - Alarm timestamp (date and time),
  - Current point name,
  - Current point state,
  - Current point value,
  - Unit (only for numerical points)
- ❑ This page is updated periodically depending on events occurring on the material device interfaces.
- The user can acknowledge the alarm by clicking on « Acknowledge » button. This action displays a dialog box with the instruction associated to the alarm.



- This page is reachable from the following menu [Real Time/Alarms](#)

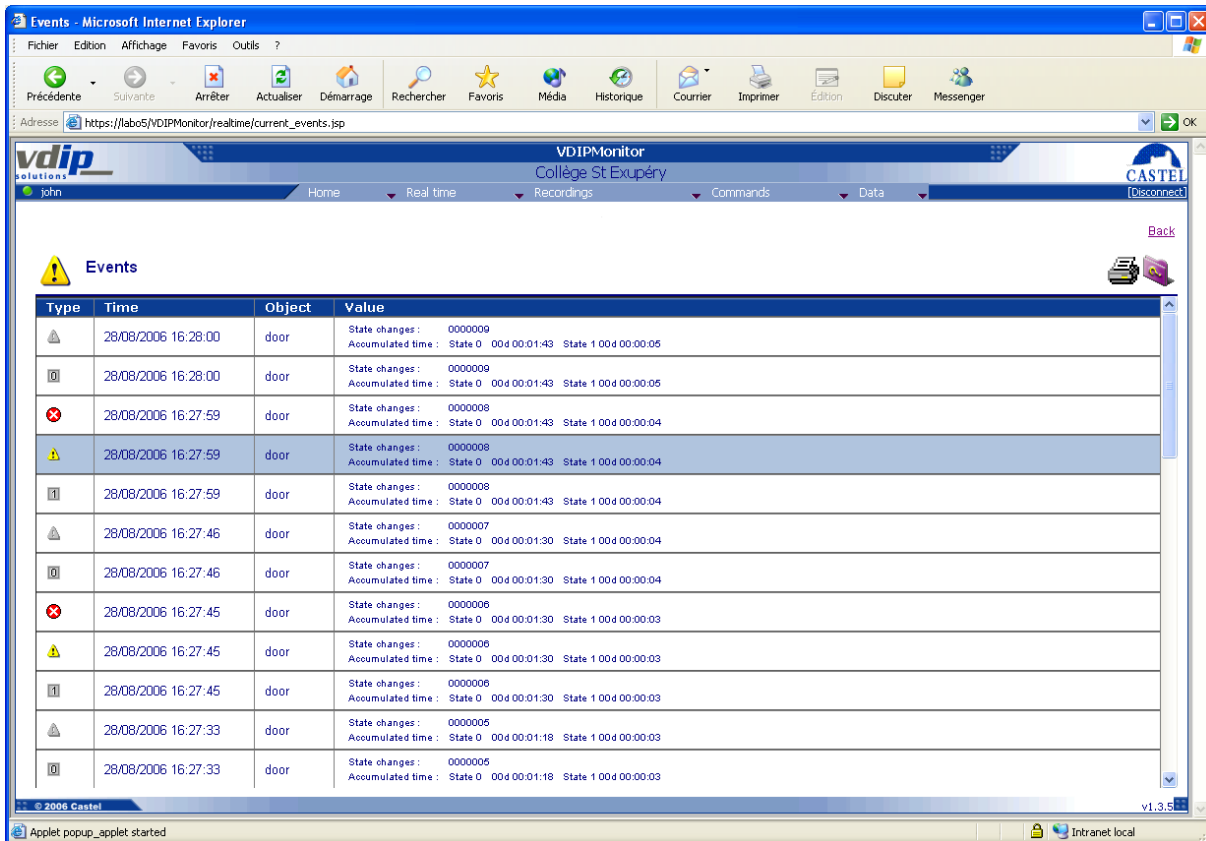
## Defaults

---



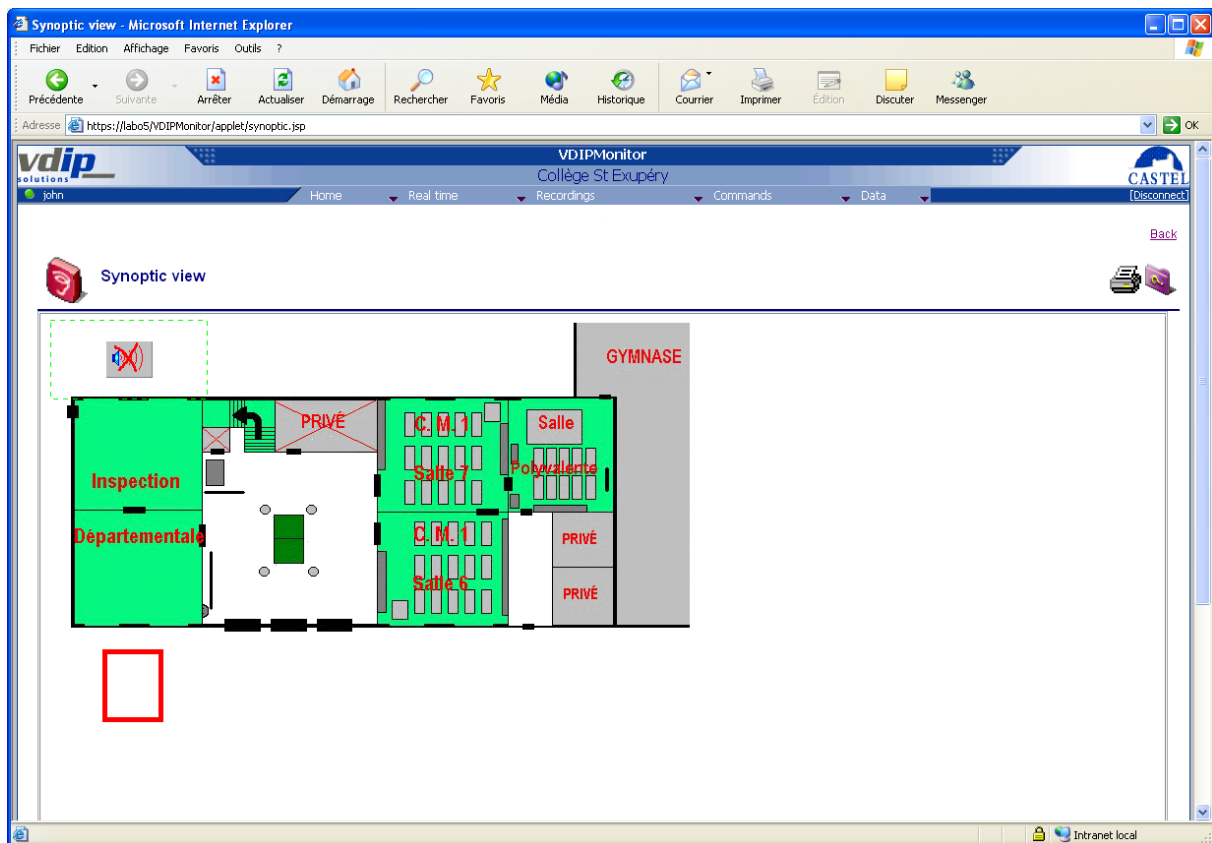
- ❑ This page displays the current defaults with the following details:
  - Default timestamp (date and time),
  - Current point name,
  - Current point state,
  - Current point value,
- ❑ This page is updated periodically depending on events occurring on the material device interfaces.
- This page is reachable from the following menu [Real Time/Defaults](#)

Events



- This page displays the current events with the following details:
  - Kind of events with the following pictorials:
    - : Alarm (default appearance)
    - : Alarm (default disappearance)
    - : Default appearance
    - : State 0 is reached
    - : State 1 is reached
    - : State 2 is reached
    - : State 3 is reached
    - : State 4 is reached
    - : User event
  - Event timestamp (date and time),
  - Element concerned by the event (point name or user),
  - Associated values:
    - Number of state changes
    - Accumulated time for each state,
- This page is updated periodically depending on events occurring on the material device interfaces.
- This page is reachable from the following menu [Real Time/Events](#)

## Synoptic view



- This page displays a synoptic view containing points or branch points.
    - Synoptics contain points within geographical or logical areas.
      - The synoptics are displayed as an image representative of the symbolized entity (background image),
      - The navigation between synoptics can be done with branch points associated to an image or transparent. In the last case, the user clicks a specific area of the screen to switch to another synoptic.
    - Points can be symbolized by an image representative of its current state. This image is updates in real-time mode on the synoptic.
      - Depending of the configuration parameters, a state change can generate an icon modification, a sound effect or a new synoptic display.
      - An alarm generates a flashing effect of the associated icon with a red frame.
      - By clicking on a point (left or right mouse), it is possible to switch to another synoptic, to display an instruction in a pop-up window and then to acknowledge all the current alarms of the point, to perform materiel remote command, to display video popup window.
    - Branch points allow the user to navigate between synoptics. This action is done by clicking on the point.
- This page is reachable from the following menu [Real Time/Synoptic](#)

## VLC Video streaming recommendations

On the display of the video in popups or in the dedicated window, the VLC plugin is used. VLC plugin currently lacks strength and stability. To circumvent these problems, it will then focus on the following pairs:

- Internet Explorer / VLC 1.1.5
- Firefox or Chrome / VLC 2.0.6

## Synoptic view + alarms

- This pages displays on the same view the synoptic and the current alarms

The screenshot shows the VdIPMonitor web interface in a Microsoft Internet Explorer browser window. The page title is "Synoptic and alarms view". The interface includes a navigation menu with options like Home, Real time, Recordings, Commands, and Data. The main content area displays a synoptic view of a building floor plan with various rooms labeled, including "Inspection", "Départementale", "C.M.", "Salle", "Polylecte", and "GYMNASE". Some areas are marked "PRIVÉ". Below the floor plan is a table of current alarms.

Time	Point	Label	value	Unit	Acknowledge all alarms
28/08/2006 16:29:46	door	door opened	1		Acknowledge



## Recordings

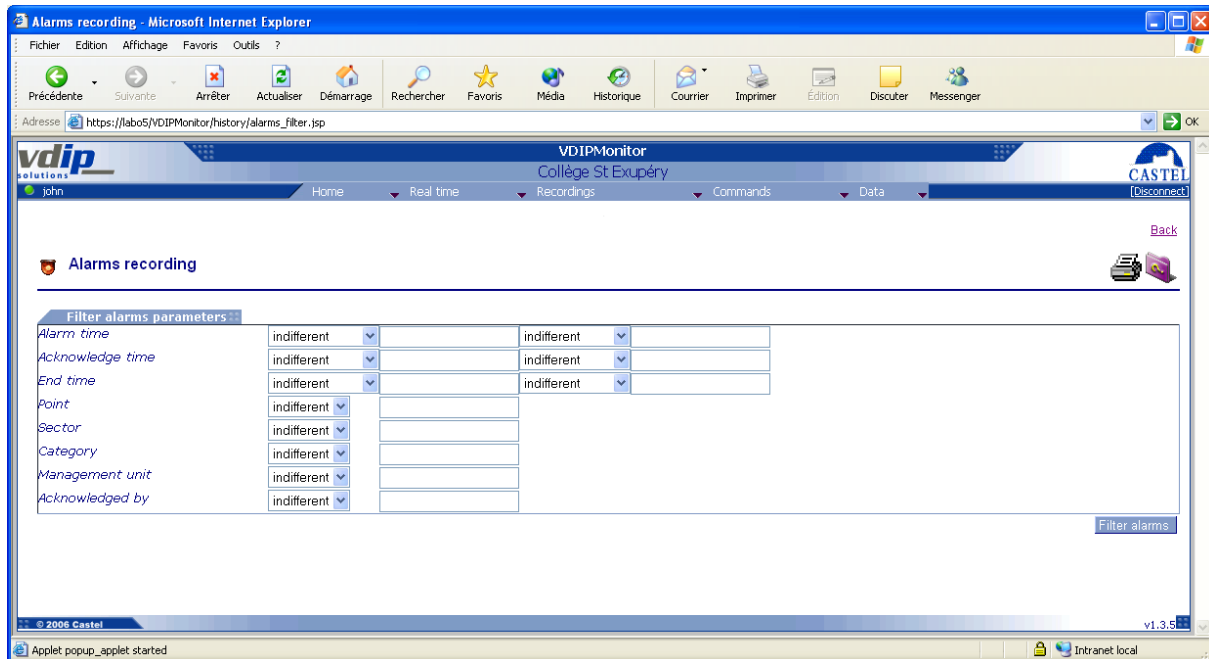
### Alarms

Type	Time	Point	Label	Acknowledged	Acknowledged at	By
	28/08/2006 16:37:37	door	dor opened			
	28/08/2006 16:37:35	door	dor opened			
	28/08/2006 16:37:34	door	dor opened			
	28/08/2006 16:37:33	door	dor opened			
	28/08/2006 16:35:03	door	dor opened			
	28/08/2006 16:35:01	door	dor opened			
	28/08/2006 16:34:58	door	dor opened			
	28/08/2006 16:34:55	door	dor opened			
	28/08/2006 16:34:54	door	dor opened			
	28/08/2006 16:34:52	door	dor opened			
	28/08/2006 16:34:50	door	dor opened			
	28/08/2006 16:34:49	door	dor opened			
	28/08/2006 16:34:44	door	dor opened			
	28/08/2006 16:29:46	door	dor opened			
	28/08/2006 16:27:59	door	dor opened		28/08/2006 16:29:38	john
	28/08/2006 16:27:45	door	dor opened		28/08/2006 16:29:38	john
	28/08/2006 16:27:32	door	dor opened		28/08/2006 16:29:38	john
	28/08/2006 16:26:25	door	dor opened		28/08/2006 16:26:42	john
	28/08/2006 16:26:12	door	dor opened		28/08/2006 16:26:42	john

- ❑ This page displays the alarm events recorded in the database with the following details:
  - Kind of alarm events with the following pictorials:
    - : Alarm (default appearance)
    - : Alarm (default disappearance)
  - Default timestamp (date and time),
  - Point name,
  - State name,
  - Acknowledge state with the following pictorial if acknowledged ,
  - Acknowledge date and time,
  - User who has acknowledge the alarm,
  - End alarm date and time,
- ❑ Each column can be sorted in Ascending or Descending order by clicking on the column header list.
- ❑ The list items are displayed depending of the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.

- This page is reachable from the following menu [Recordings/Alarms](#)
- To filter specific alarms, click [Filter...](#) link.

Filter alarms



- ❑ This page shows the different filter criterion available for alarms. A filter criterion can be one of the following items:
  - Indifferent: no filtering criterion (used by default),
  - Equal: parameter = value,
  - Start with: parameter starts with a specific value
  - End with: parameter ends with a specific value
  - Contain: parameter contains a specific value
  - Upper: parameter upper than the specified date
  - Upper or equal: parameter upper or equal than the specified date
  - Lower: parameter lower than the specified date
  - Lower or equal: parameter lower or equal than the specified date

The alarm filtering associates all criterion with a logical AND operation.

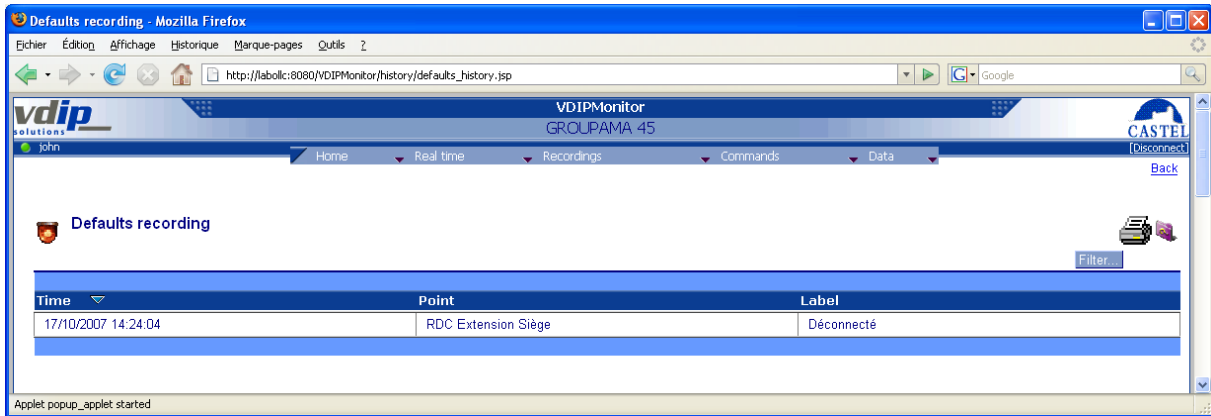
Example:

Timestamp	upper	01/06/2004 00:00:00
End alarm time	lower	01/07/2004 00:00:00
Sector	equal	West Sector

The result of this search will be all the alarms occurred in West sector in June 2004.

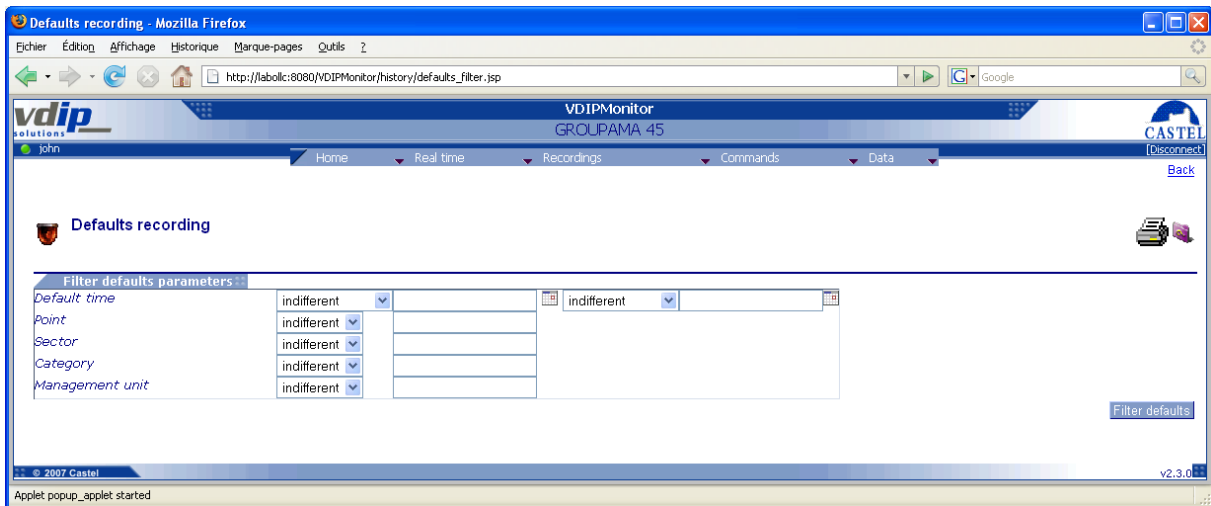
- This page is reachable by clicking on "Filter.." button in [Alarms list](#) page.
- After search, the result will be displayed in the [Alarms list](#) page.

Defaults



- ❑ This page displays the defaults events recorded in the database with the following details:
  - Default timestamp (date and time),
  - Point name,
  - State name,
- ❑ Each column can be sorted in Ascending ▲ or Descending ▼ order by clicking on the column header list.
- ❑ The list items are displayed depending of the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.
- This page is reachable from the following menu [Recordings/Defaults](#)
- To filter specific defaults, click [Filter...](#) link.

Filter defaults



- ❑ This page shows the different filter criterion available for defaults. A filter criterion can be one of the following items:
  - Indifferent: no filtering criterion (used by default),
  - Equal: parameter = value,
  - Start with: parameter starts with a specific value
  - End with: parameter ends with a specific value
  - Contain: parameter contains a specific value

- Upper: parameter upper than the specified date
- Upper or equal: parameter upper or equal than the specified date
- Lower: parameter lower than the specified date
- Lower or equal: parameter lower or equal than the specified date

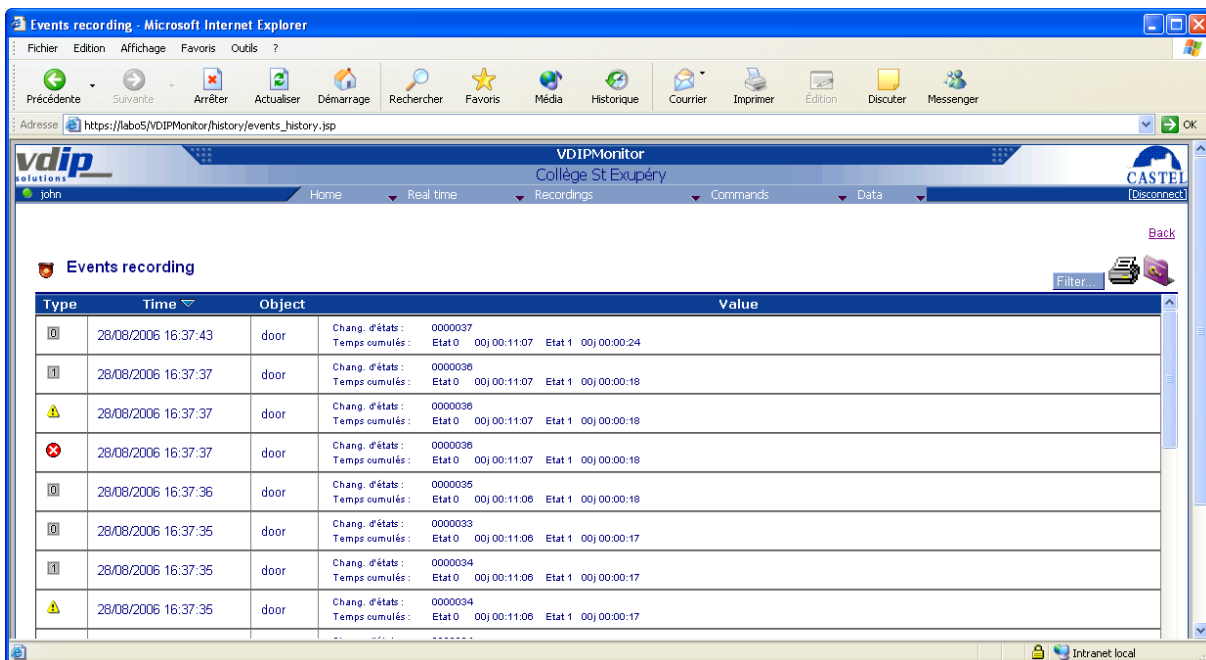
The default filtering associates all criterion with a logical AND operation.

Example:


Timestamp upper 01/06/2004 00:00:00  
Sector equal West Sector

- This page is reachable by clicking on "Filter.." button in [Defaults list](#) page.
- After search, the result will be displayed in the [Defaults list](#) page.

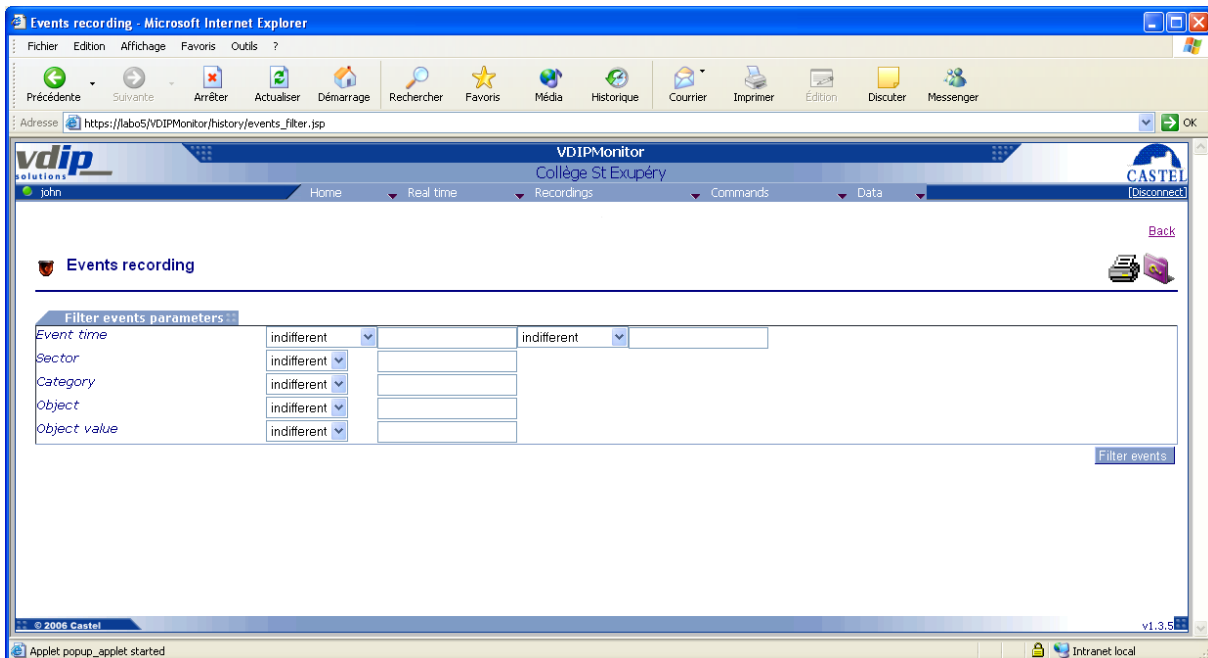
## Events



- This page displays the events recorded in the database with the following details:
  - Kind of alarm events with the following pictorials:
    - : Alarm (default appearance)
    - : Alarm (default disappearance)
    - : End alarm
    - : Default appearance
    - : Default disappearance
    - : State 0 is reached
    - : State 1 is reached
    - : State 2 is reached
    - : State 3 is reached
    - : State 4 is reached

-  : User event
  - Event timestamp (date and time),
  - Element concerned by the event (point name or user),
  - Associated values:
    - Number of state changes
    - Accumulated time for each state,
- ❑ Each column can be sorted in Ascending ▲ or Descending ▼ order by a click on the column header list.
- ❑ The list items are displayed depending of the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.
- ❑
- This page is reachable from the following menu [Recordings/Events](#)
- To filter specific alarms, click [Filter...](#) link.

Filter events



- ❑ This page shows the different filter criterion available for events. A filter criterion can be one of the following items:
  - Indifferent: no filtering criterion (used by default),
  - Equal: parameter = value,
  - Start with: parameter starts with a specific value
  - End with: parameter ends with a specific value
  - Contain: parameter contains a specific value
  - Upper: parameter upper than the specified date
  - Upper or equal: parameter upper or equal than the specified date
  - Lower: parameter lower than the specified date
  - Lower or equal: parameter lower or equal than the specified date

The events filtering associates all criterion with a logical AND operation.

**Example:**

Timestamp	upper	01/06/2004 00:00:00
"    "	Lower	01/07/2004 00:00:00
Sector	equal	East Sector

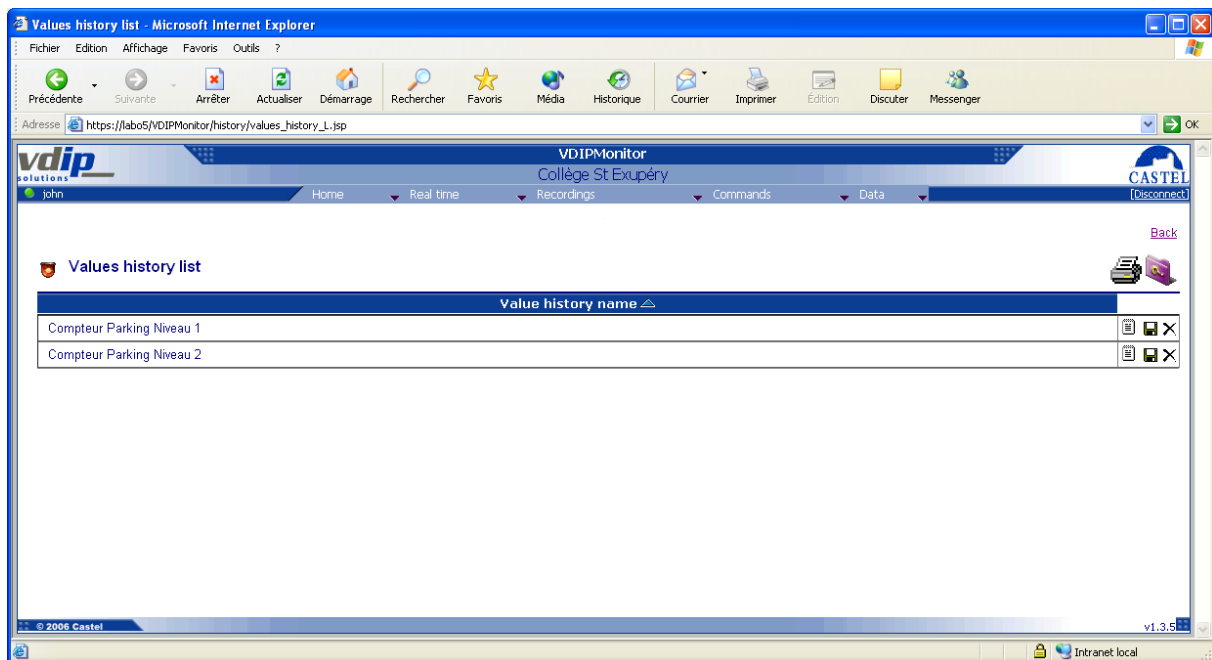
The result of this search will be all the events occurred in East sector in June 2004.




- This page is reachable by clicking on "Filter.." button in [Events list](#) page.
- After search, the result will be displayed in the [Events list](#) page.

## Values recording containers

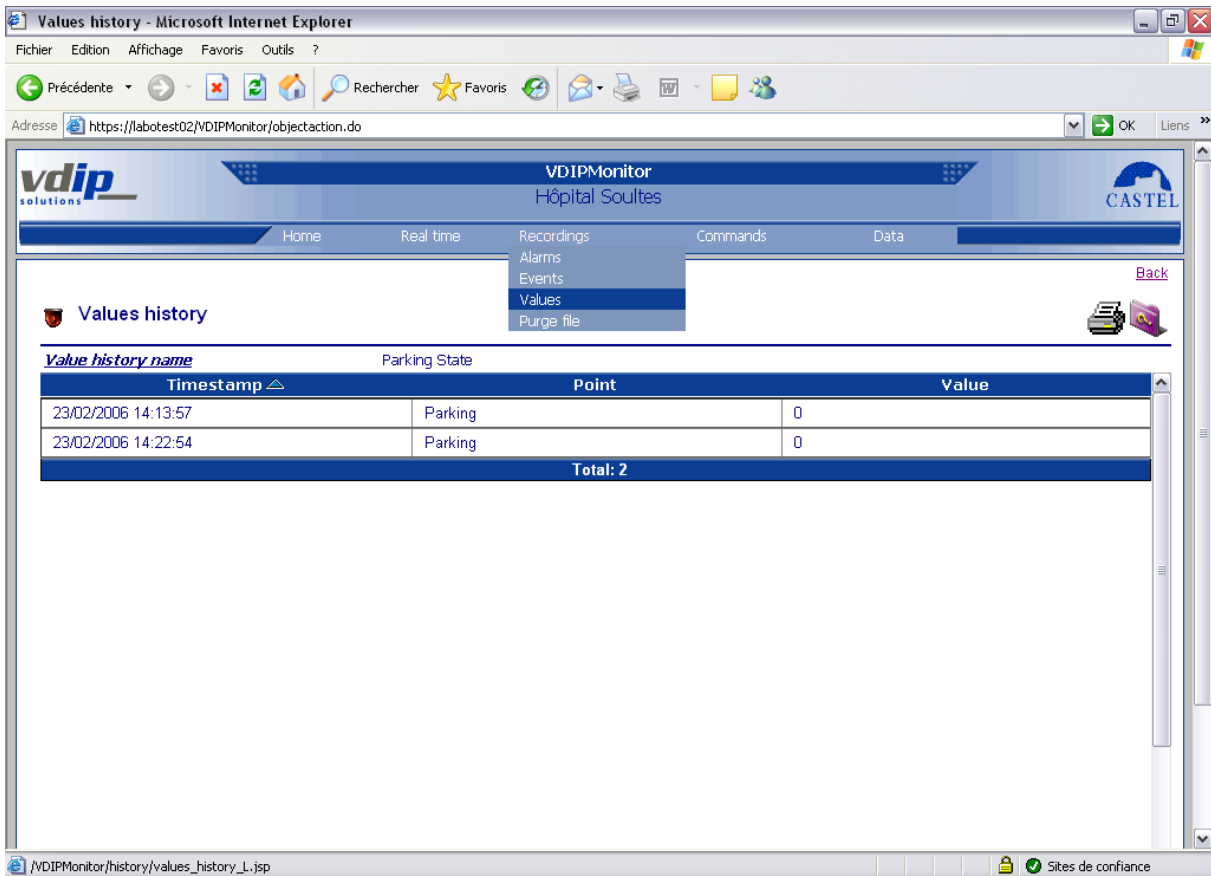
---


### Values recording containers list



- ❑ This page displays the values recording containers list with the following detail:
  - Container name,
- ❑ Each column can be sorted in Ascending ▲ or Descending ▼ order by clicking on the column header list.
- ❑ The list items are displayed depending of the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.
- This page is reachable from the following menu [Recordings/Values](#)
- By clicking on the associated  button, the user can view the [recorded value](#).
- All the point values can be saved in a file by using the  button.
- To clean a values container, click on  button.

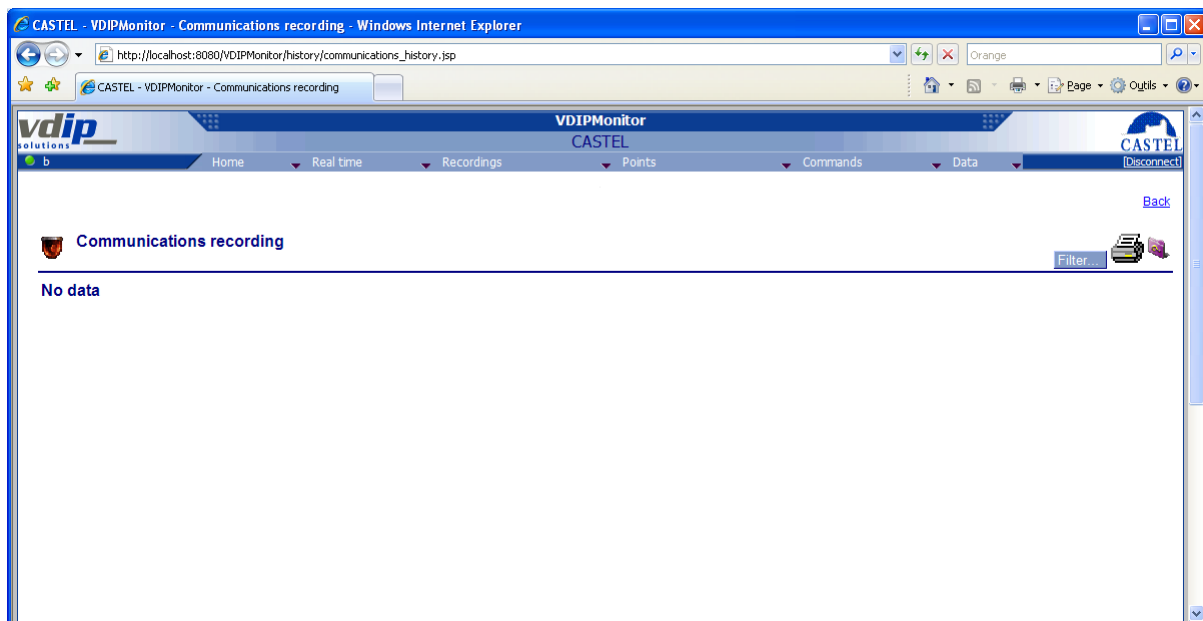
Recorded value



- ❑ This page displays the recorded values list in the database with the following details:
  - Record timestamp (date and time),
  - Associated point name,
  - Values at the record time.
- ❑ Each column can be sorted in Ascending ▲ or Descending ▼ order by clicking on the column header list.
- ❑ The list items are displayed depending of the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.
- This page is reachable by clicking on  button associated to a record container in the [Values recording containers list](#) page.

## Communications

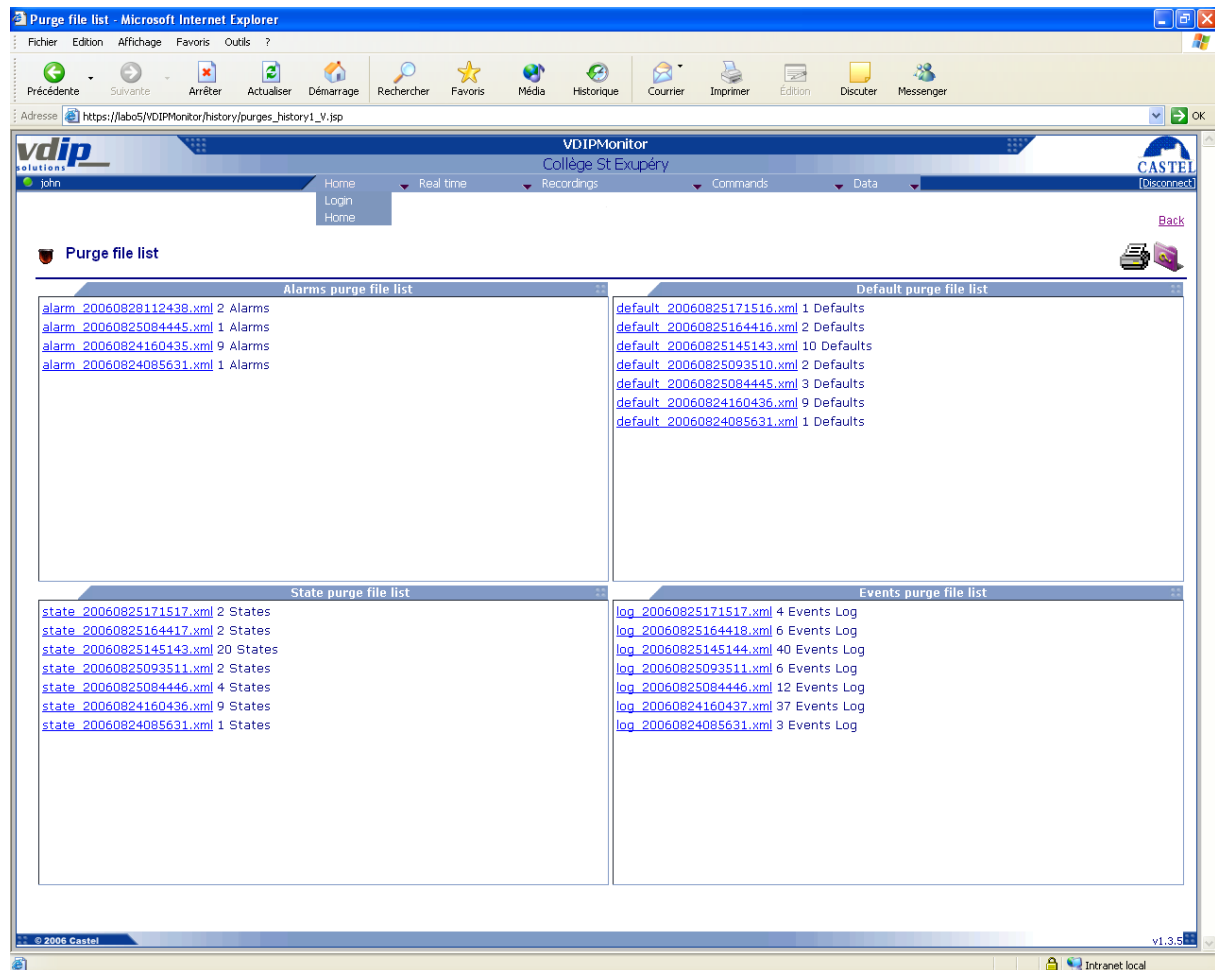
### Communications recording



- ❑ This page displays the communication events recorded in the database with the following details:
  - Default timestamp (date and time),
  - Point name,
  - State name,
- ❑ Each column can be sorted in Ascending ▲ or Descending ▼ order by clicking on the column header list.
- ❑ The list items are displayed depending of the number of rows by page to be displayed (see system.xml file configuration parameters). To access a particular page, you must click on the specific page number displayed on the list footer.
- This page is reachable from the following menu *Recordings/Communication*
- To filter specific communications, click [Filter...](#) link.

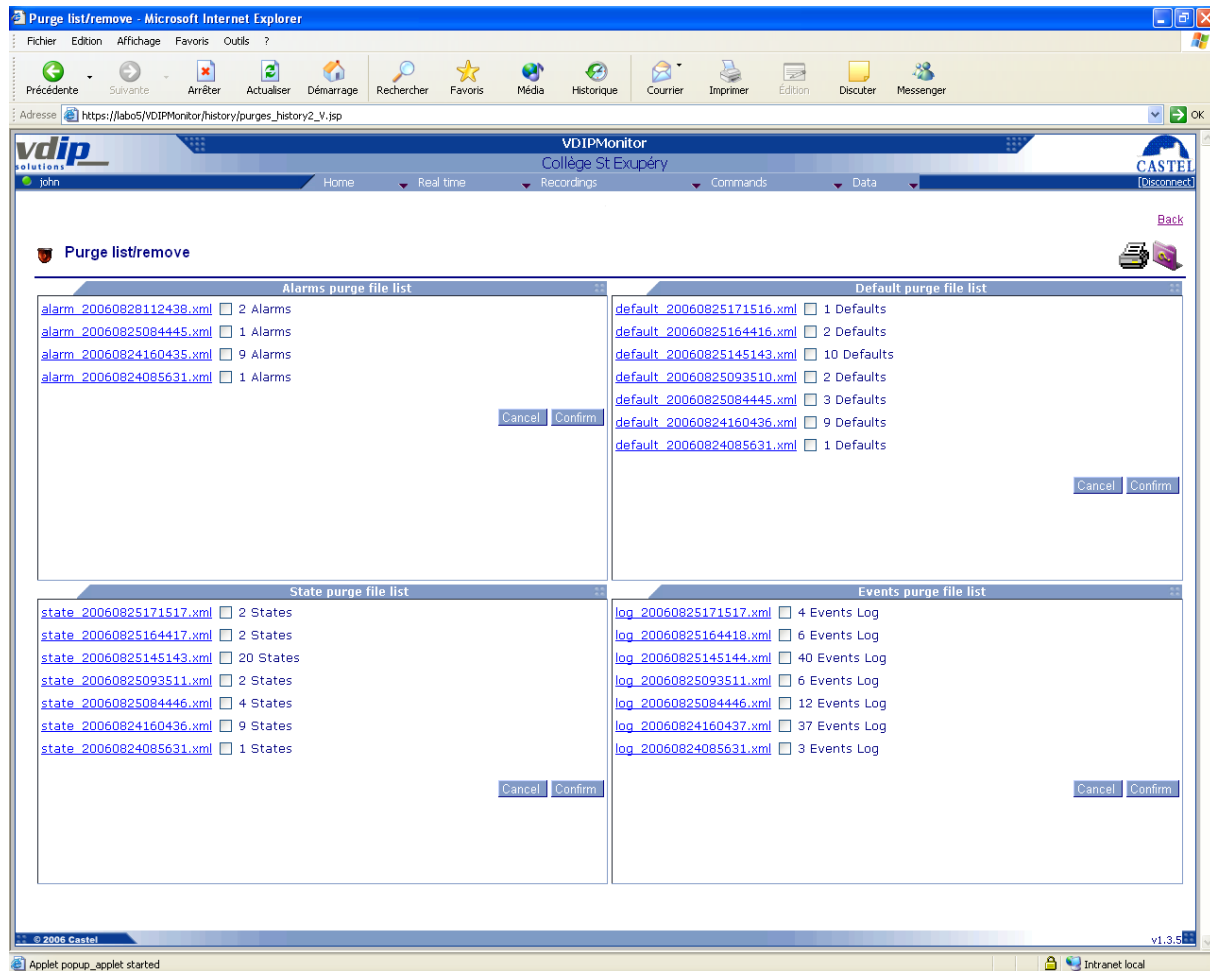


## Purge files



- ❑ This page allows the user to consult all application purge files with the following details:
  - Xml file name containing the date
  - Number of moves contained in the xml file
- ❑ The main page is divided in 4 parts:
  1. **Alarms purge files:** All acknowledged alarms are removed from the database and depending on the purge strategy stored in an xml file.
  2. **Defaults purge file:** All defaults are removed from the database and depending on the purge strategy stored in an xml file.
  3. **States purge files:** All states event alarm is removed from the database and depending on the purge strategy stored in an xml file.
  4. **All events purge files:** All acknowledges alarm is removed from the database and depending on the purge strategy stored in an xml file.

## Purge file consultation with remove



- ❑ This page allows the user to consult and remove all move purge files with the following details :
  1. Xml file name containing the date
  2. Number of moves contained in the xml file
- ❑ By clicking on the xml file, the user can access to the content of the file. The language used for xml file is the **CASTELSuperviseur** default language ( see system.xml section)

## Actions

The screenshot shows a web browser window displaying the 'User actions' page of the CASTEL VDIPI Monitor. The page features a navigation menu with options like Home, Real time, Recordings, Points, Commands, and Data. Below the menu is a table titled 'User actions' with columns for Time, Login, Action, Param 1, and Param 2. The table contains 13 rows of data, all with a login of 'a' and an action of 'Point inclusion/exclusion'. The Param 1 values alternate between 'exclusion' and 'inclusion', while Param 2 is consistently 'P1 Bis'. A filter icon and a 'Filter...' input field are visible to the right of the table. The browser's address bar shows the URL 'http://localhost:8080/VDIPMonitor/history/useractions\_history.jsp'.

Time	Login	Action	Param 1	Param 2
22/04/2009 08:48:01	a	Point inclusion/exclusion	exclusion	P1 Bis
22/04/2009 08:47:59	a	Point inclusion/exclusion	inclusion	P1 Bis
22/04/2009 08:47:57	a	Point inclusion/exclusion	exclusion	P1 Bis
22/04/2009 08:47:55	a	Point inclusion/exclusion	inclusion	P1 Bis
22/04/2009 08:47:51	a	Point inclusion/exclusion	inclusion	P1 Bis
22/04/2009 08:47:49	a	Point inclusion/exclusion	exclusion	P1 Bis
22/04/2009 08:47:48	a	Point inclusion/exclusion	exclusion	P1 Bis
22/04/2009 08:47:43	a	Point inclusion/exclusion	inclusion	P1 Bis
22/04/2009 08:47:21	a	Point inclusion/exclusion	inclusion	P1 Bis
22/04/2009 08:47:20	a	Point inclusion/exclusion	exclusion	P1 Bis
22/04/2009 08:47:14	a	Point inclusion/exclusion	inclusion	P1 Bis
22/04/2009 08:47:11	a	Point inclusion/exclusion	exclusion	P1 Bis

- This page allows the user to consult all user actions. The different actions can be :
  1. Application access
  2. Point Inclusion/Exclusion
  3. Alarm acknowledge
  4. Remote command

## Points

### Raw logical point list

CASTEL - VDIPMonitor - Raw logical point list - Windows Internet Explorer

http://localhost:8080/VDIPMonitor/point/rawlogicalpoint\_L.jsp

VDIPMonitor  
CASTEL

Home Real time Recordings Points Commands Data

Raw logical point list

( 2 Elts )

Point name	Excluded	Current state	Exclusion scheduled	Exclusion type	Exclusion start date	Exclusion end date
E1 P13	✓	Etat 6	✓	Unlimited		
E1 P15	✓	Etat 6	✓	Unlimited		

( 2 Elts )

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### List of points concerned by exclusion

This page displays all points concerned by exclusion :  
Configured as to be excluded

Or

Still excluded although no more configured as to be excluded (case of material that is not updated)

CASTEL - VDIPMonitor - List of points concerned by exclusion - Windows Internet Explorer

http://localhost:8080/VDIPMonitor/point/excludedpoint\_L.jsp

VDIPMonitor  
CASTEL

Home Real time Recordings Points Commands Data

List of points concerned by exclusion

( 2 Elts )

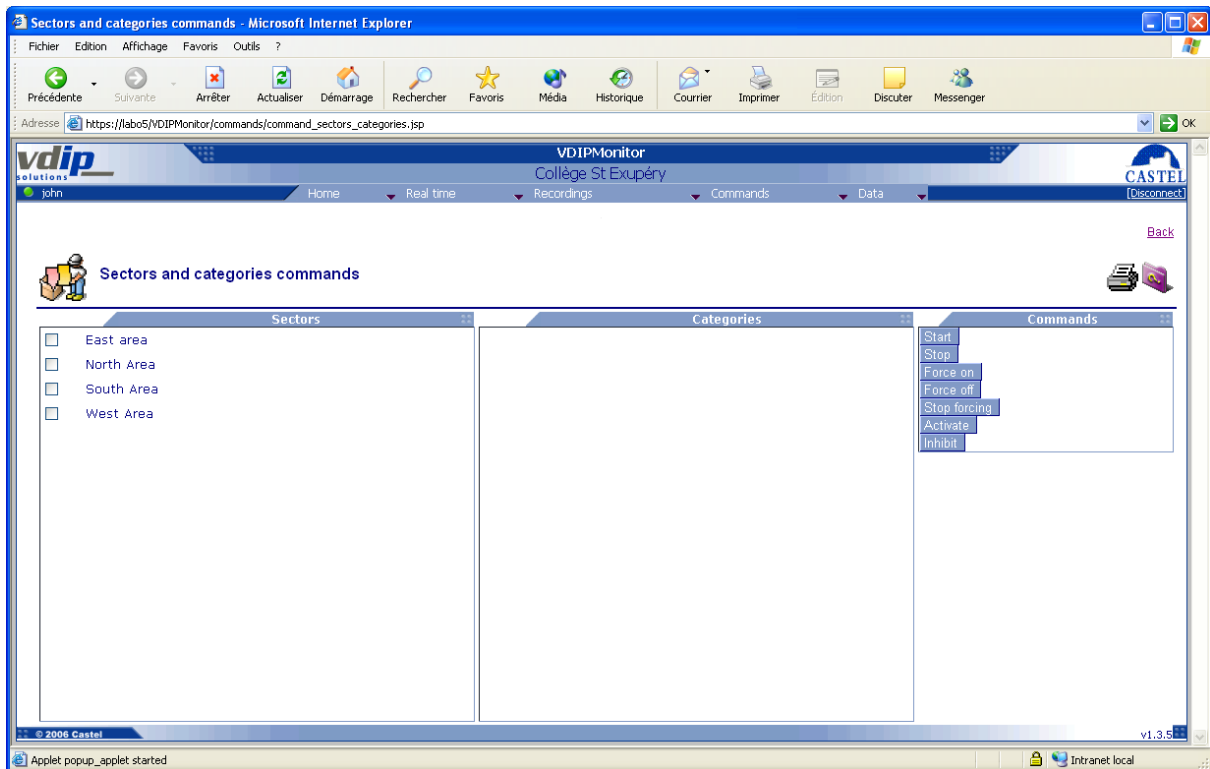
Point name	Excluded	Current state	Exclusion scheduled	Exclusion type	Exclusion start date	Exclusion end date
E1 P13	✓	Etat 6	✓	Unlimited		
E1 P15	✓	Etat 6	✓	Unlimited		

( 2 Elts )

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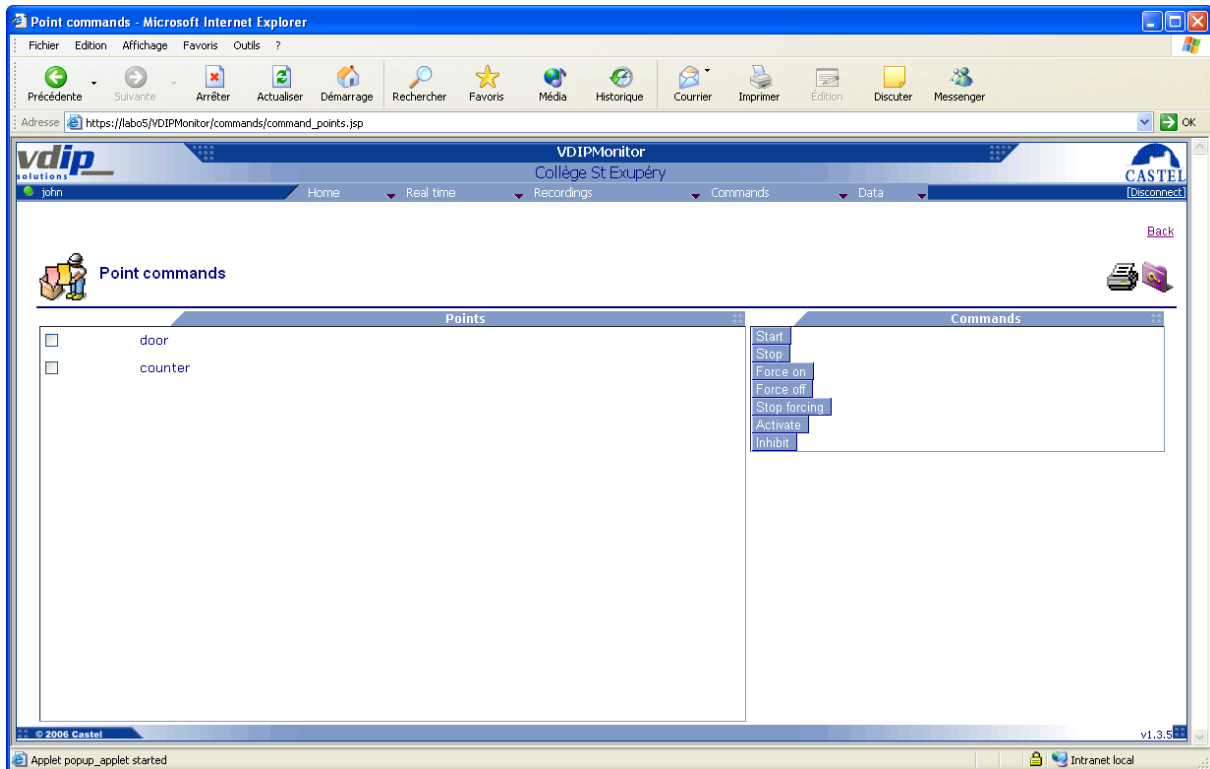
## Commands

### Command a sector or a category



- ❑ This page allows the user to remotely command elements of the VDIP system grouped by sector or categories.
- ❑ It displays the categories and sectors list and the commands available.
- ❑ To perform commands:
  1. Select the sector
  2. Select the category
  3. Then click on the command
- This page is reachable from the following menu [Commands/Sectors and Categories](#)

## Command a point

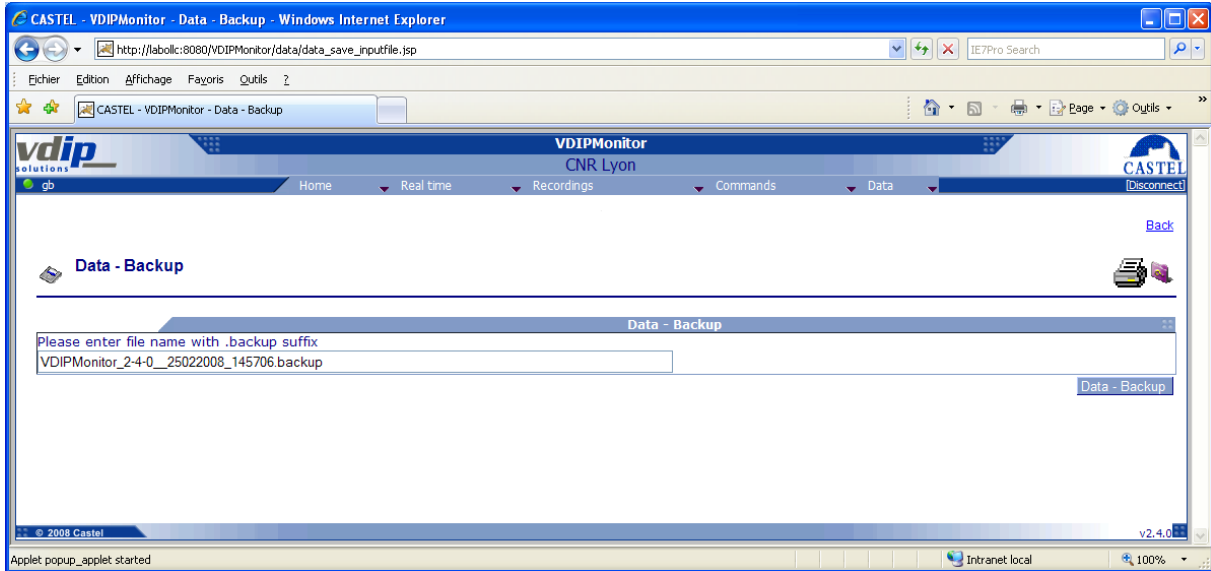


- ❑ This page allows the user to remotely command the material device associated to a point.
- ❑ It displays the point's list and the commands available.
- ❑ To perform commands:
  1. Select the point
  2. Select the category
  3. Then click on the command
- This page is reachable from the following menu [Commands/Points](#)

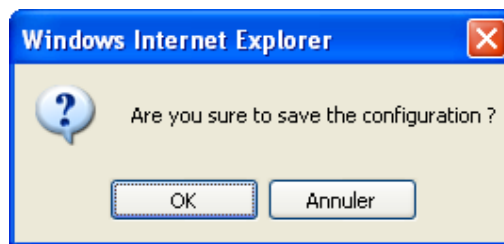
## Application data management

### Save and restore configuration data

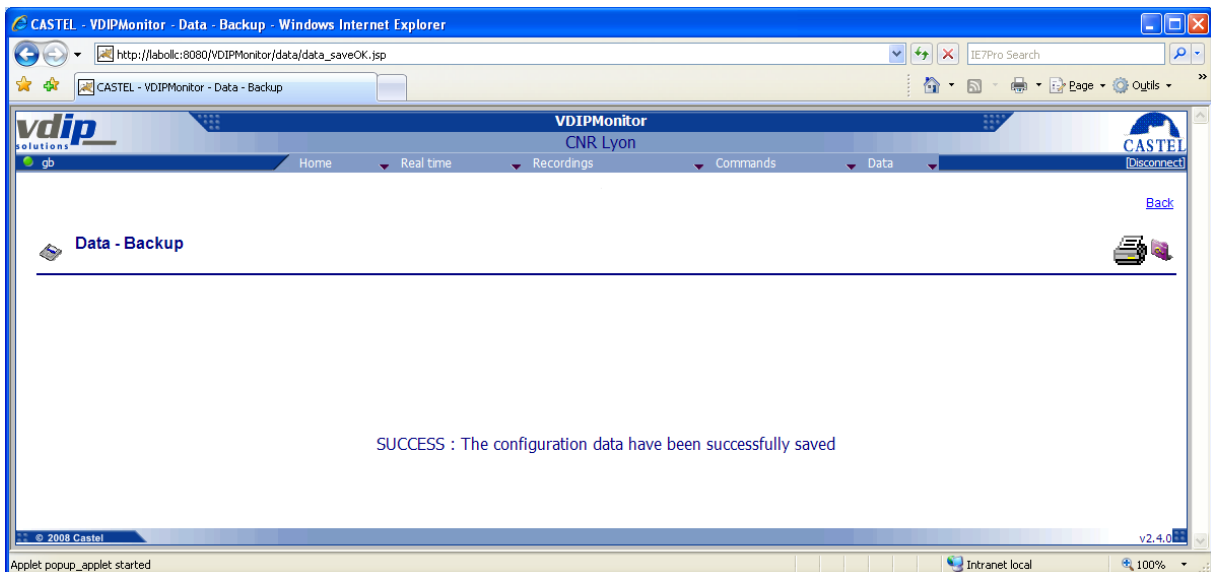
- The following page allows the user to backup the database :



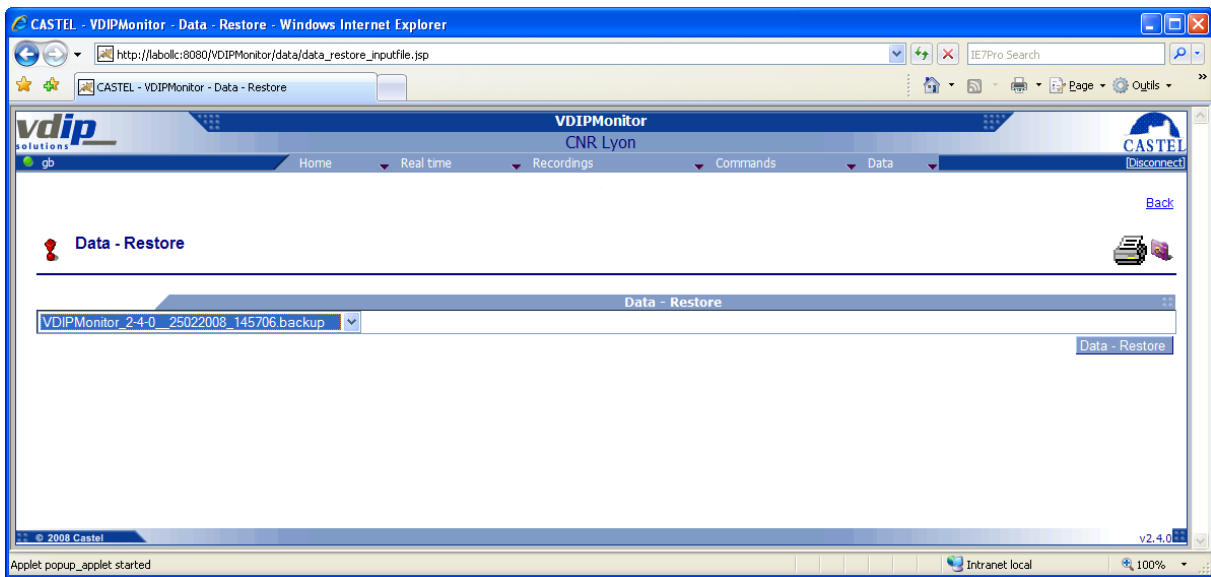
A confirmation box is then displayed



The following page indicate backup has succeeded.



- The following page allows the user to restore the database :



- These pages are reachable from the following menu [Data/Backup](#) and [Data/Restore](#)

## Data reload

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- This feature allows the user to reload a new configuration.