



FaRe Manual

Milestone

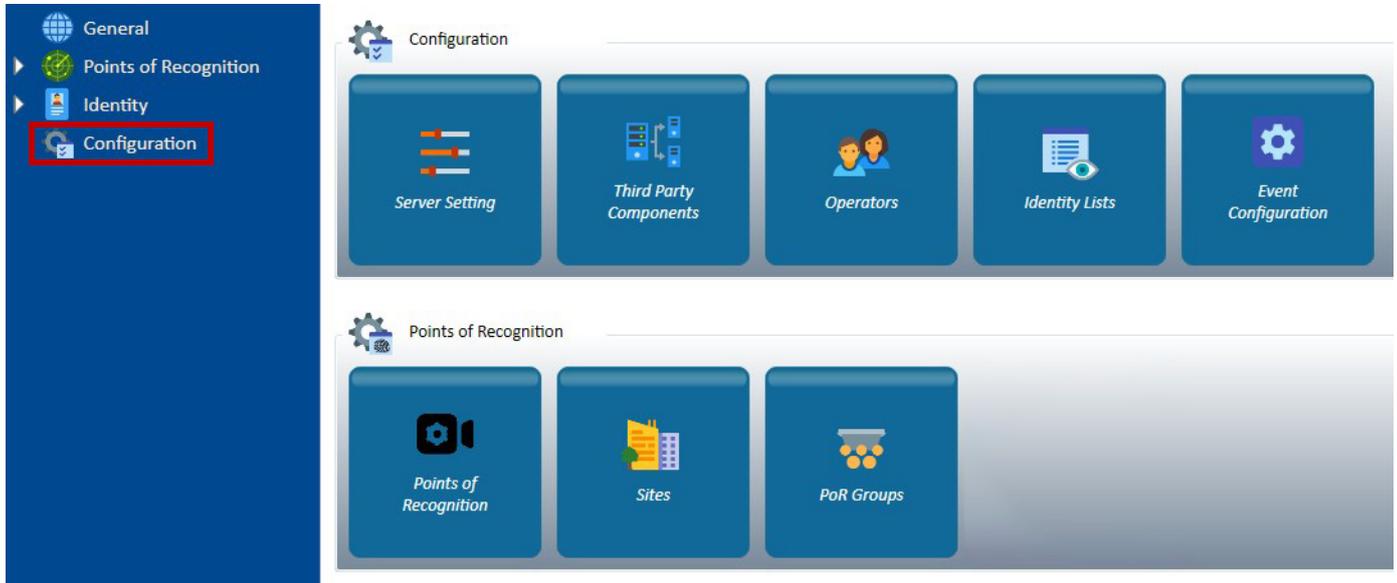
Third Party-Event configuration

Sommario

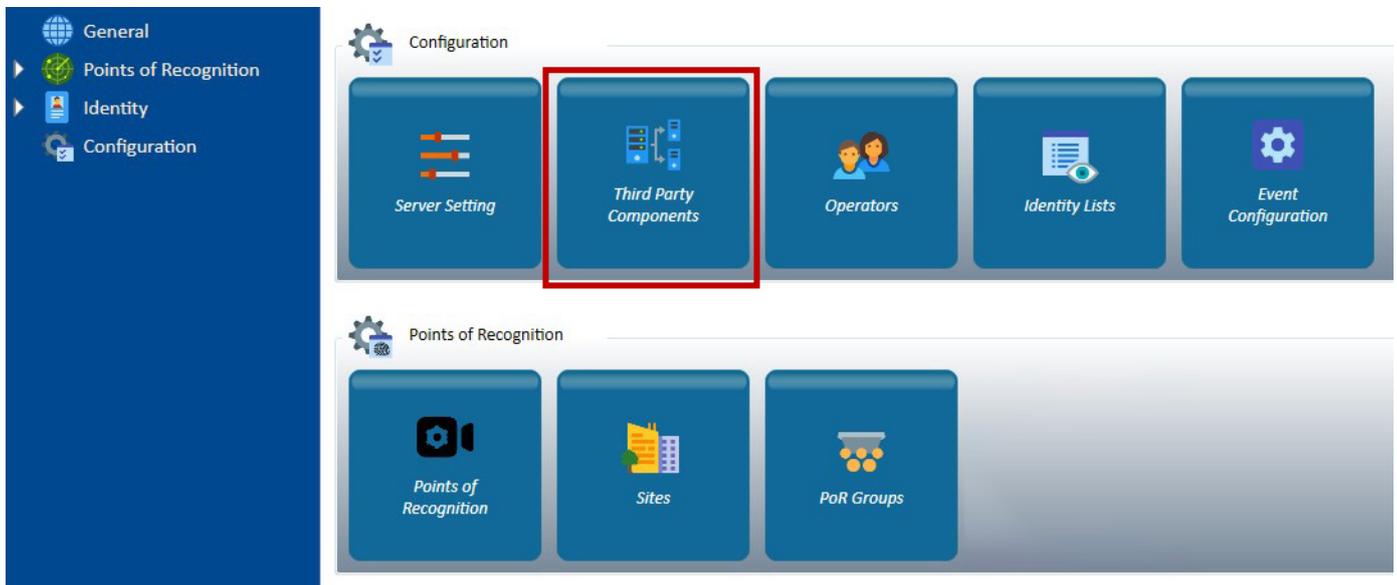
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Configuration

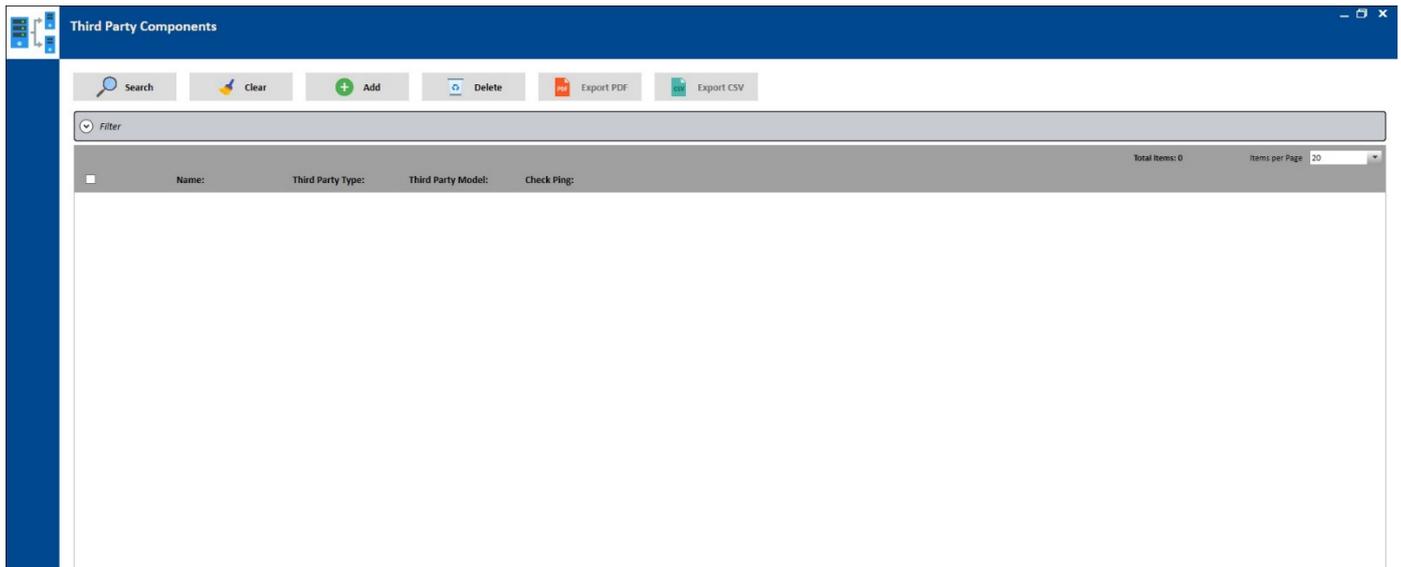
The configuration section provides a set of different functions that need to be configured by the user: on the first line, all that concerns general functions such as Server Setting, Third Party Components, Users, Identity Lists and Event Configuration. In the second line, all that concerns points of recognition therefore single Pors, Sites and Por Groups.



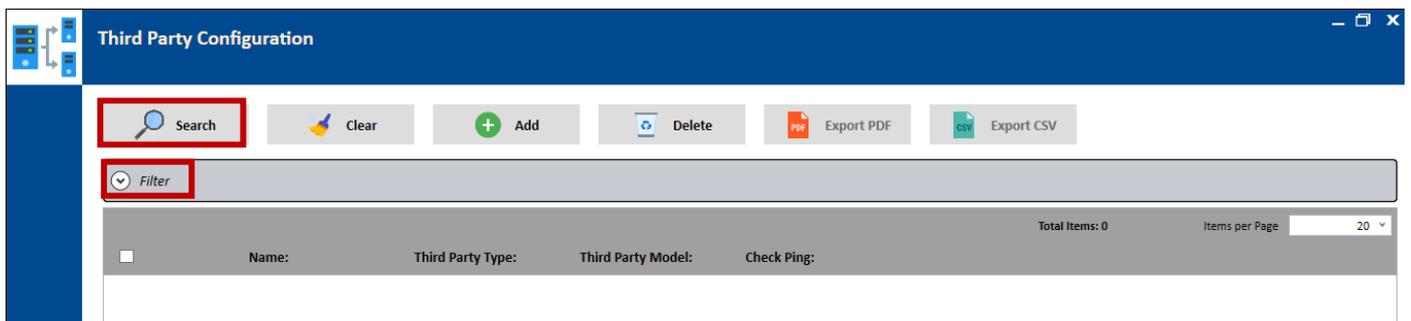
Third Party Components



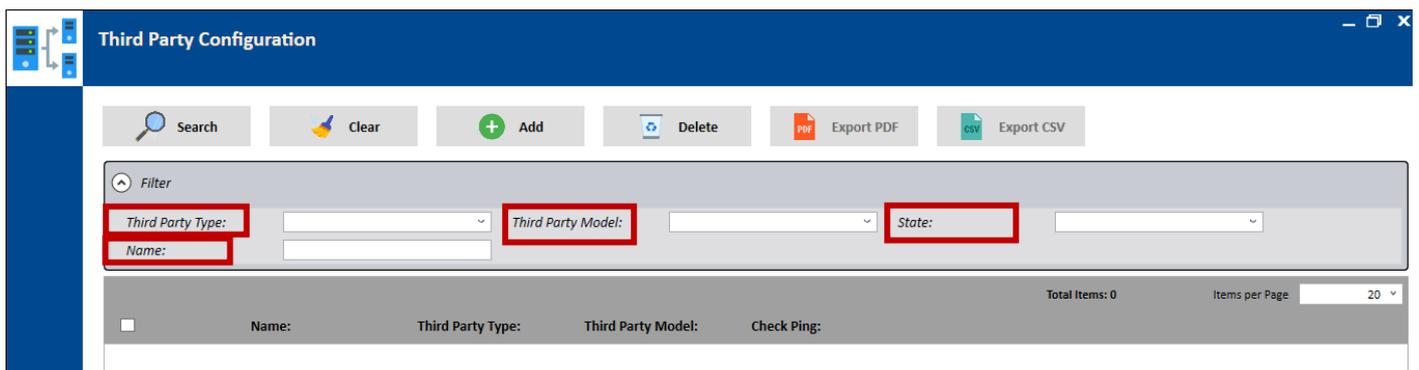
When you click on the button “Third Party Components” the following page will appear:



Search

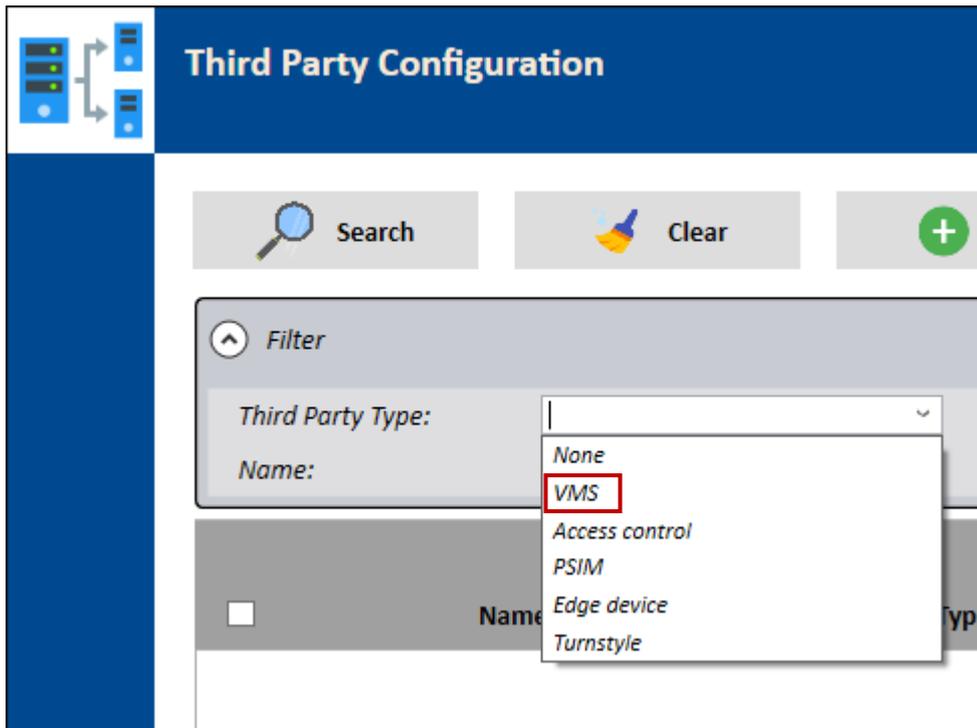


If you click on Search all the configured third parties will appear in sequence, however, if you click on Filter you can search a specific third party focusing your research per type, Model, Status and/or name.



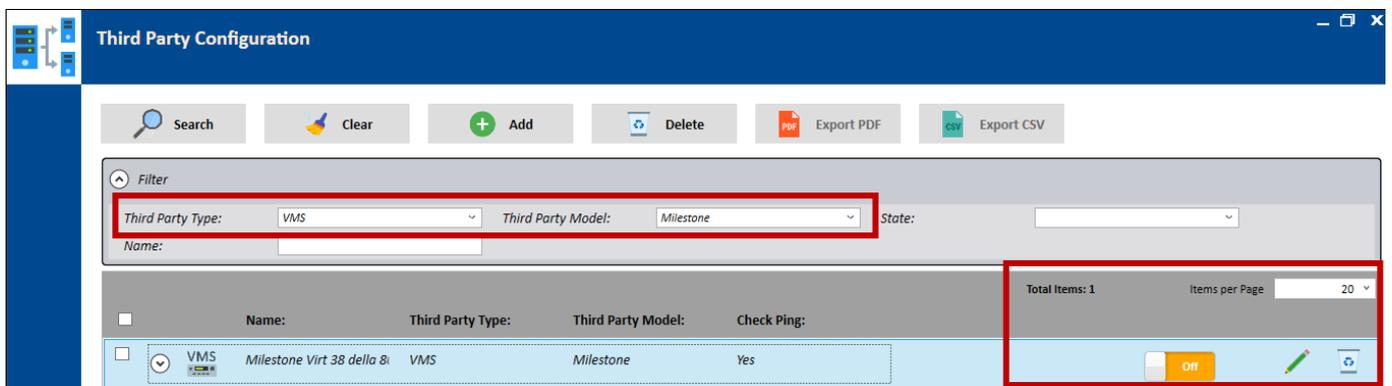
For instance, you can filter per type of third party, which means you chose whether it is a Video Management Software (VMS), an Access Control system, a PSIM, an Edge Device or a turnstyle.

*It is possible to add more third party types.

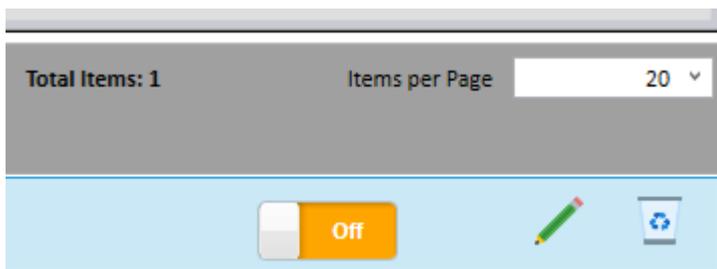


If you filter only choosing the third party type, for example a VMS, all the configured VMS will appear. The more specific the filtering, the more accurate the result of the research.

If you filter per Third Party Type choosing *VMS* and Third Party Model choosing *Milestone*, the following details will appear:



On the right side of the page you see information regarding the Total Items connected to the system, in this case 1, the items per page, in this case maximum 20 but you can show up to 1000 per page, the status of the third party, whether it is ON or OFF, in this case OFF, a pencil and a garbage can. We will focus on that later.



What you see when you filter is some general information about the configured third party, such as the Name, the Third Party Type, the Third Party Model and Check Ping.

If you click on the downward arrow, more details about the configured third party will appear such as the ID, the Description (optional), the IP Address, Username and Password and other functions useful for the integration such as Wait next alarm and Wait next bookmark.

- ID: identifies the given identity of the third party component
- Description: identifies the optional description you might give to this particular third party component
- IP: identifies the ...
- Username/Password: identify the credentials
- Wait next alarm:
- Wait next bookmark:

Going back to the right part of the page, between the status and the garbage can you see a pencil.

Clicking on the pencil allows you to modify some information about the third party.



Third Party Config. - General

Third Party Type:	VMS
Third Party Model:	Milestone
Name:	Milestone Virt 38 della 80
Description:	
Check Ping:	<input checked="" type="checkbox"/>

As you may notice, it is not possible to change the third party Type and Model but it is allowed to change the name and add a description. It is also possible to Check Ping. If you click on Abort, all your changes won't be saved. If you click on Continue the following page will appear:

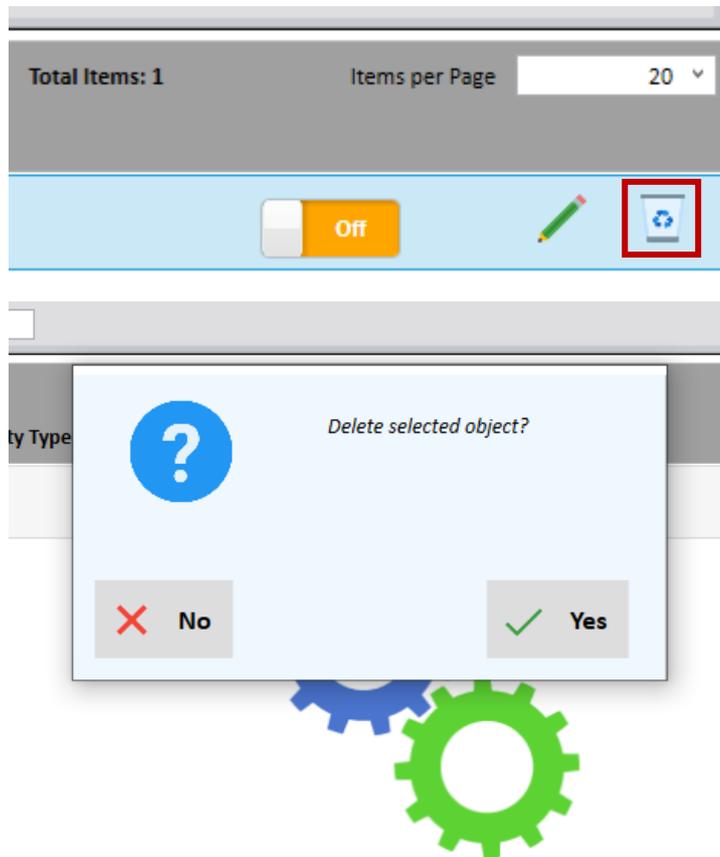


Third Party Config. - Milestone

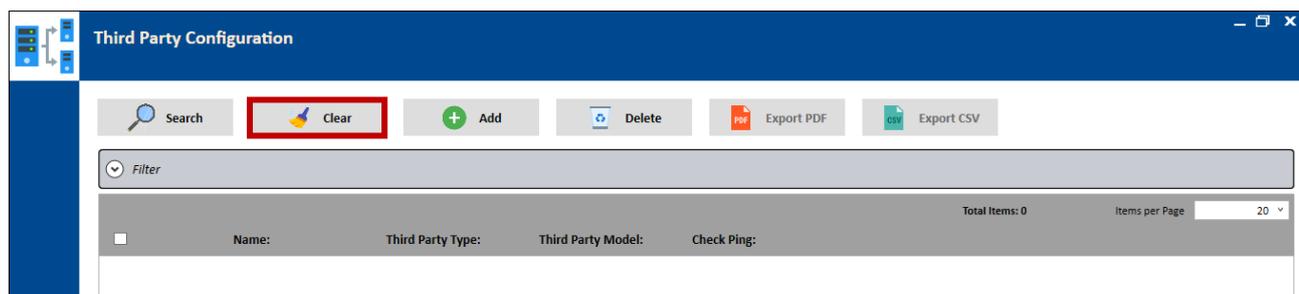
IP:	192 . 168 . 0 . 38
Username:	admin
Password:	●●●●●●●●
Wait next alarm:	00:00:10.000
Wait next bookmark:	00:00:10.000

In this section, it is possible to modify the IP Address, the username and password and the wait next alarm and Wait next bookmark. Once all the changes are done you can either abort and therefore unsave the changes, go back to the previous page or save by clicking Done.

Next to the pencil there is the symbol of a garbage can. If you click on the garbage can, you are able to delete the selected item.

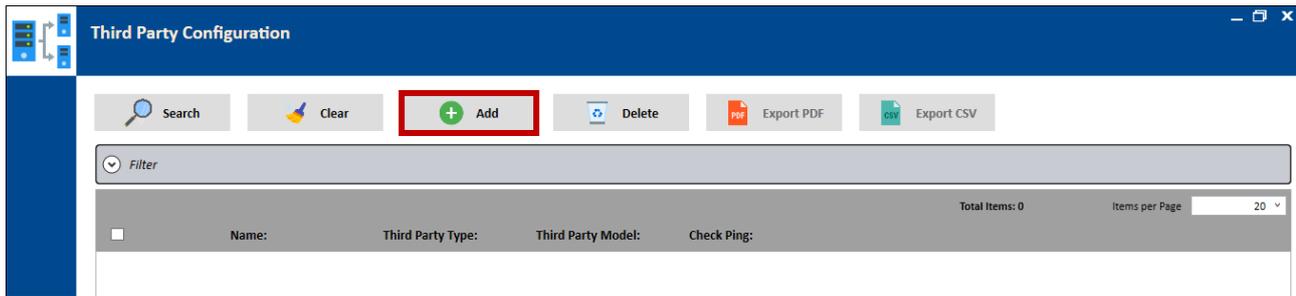


Clear



Clicking the button *Clear* allows you to clean the page from all your research and all filters and start with a blank page.

Add



Clicking on the button *Add* allows you to add new third parties. You have to specify the third party type and model.

Third Party Config. - General

Third Party Type:

Third Party Model:

Name:

Description:

Check Ping:

When you decide the third party type, you can decide whether you want to add a VMS, an access control system, a PSIM, an Edge Device or a Turnstyle.

Third Party Config. - General

Third Party Type:

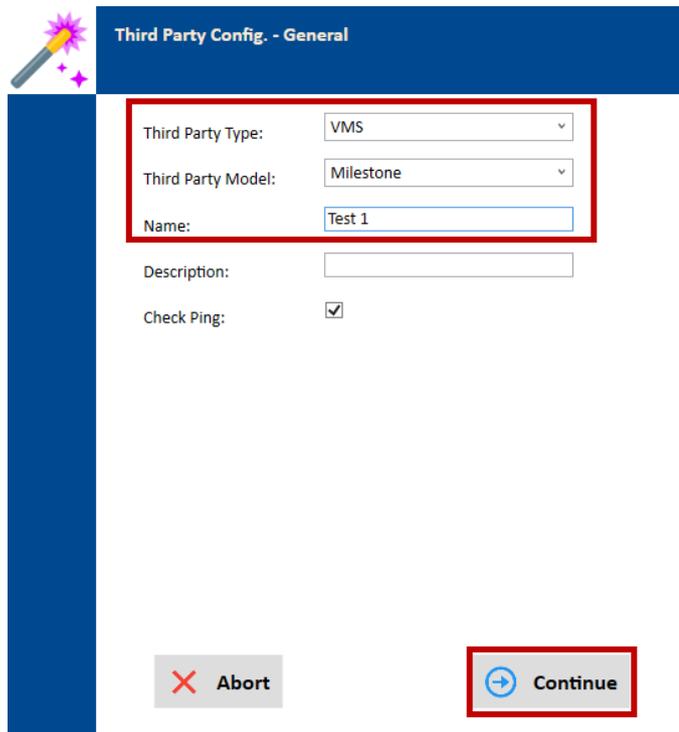
Third Party Model:

Name:

Description:

Check Ping:

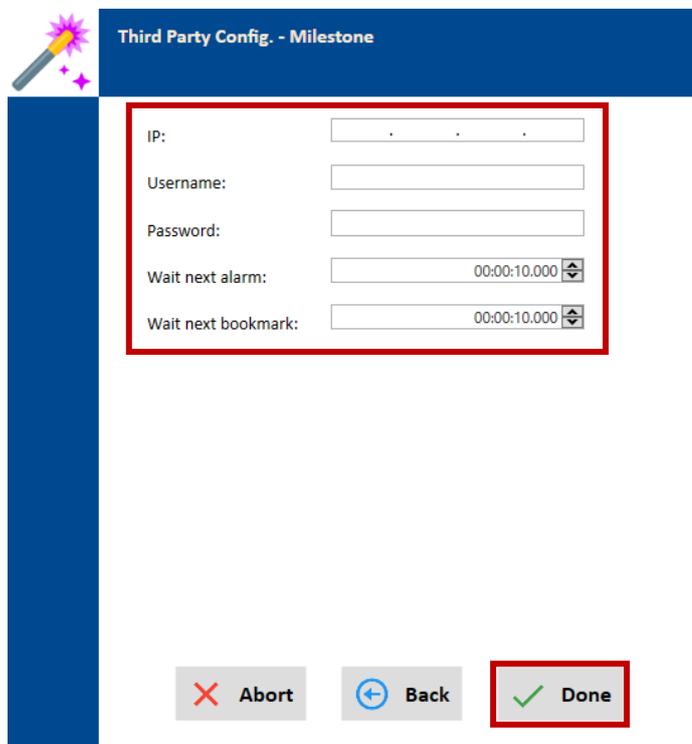
Once you have selected the type of third party, for instance a VMS, you are able to insert the model, for instance Milestone.



The screenshot shows a web form titled "Third Party Config. - General". The form contains the following fields: "Third Party Type" (dropdown menu with "VMS" selected), "Third Party Model" (dropdown menu with "Milestone" selected), "Name" (text input field with "Test 1" entered), "Description" (empty text input field), and "Check Ping" (checkbox that is checked). At the bottom of the form, there are two buttons: "Abort" (with a red 'X' icon) and "Continue" (with a blue right-pointing arrow icon). A red rectangular box highlights the "Third Party Type", "Third Party Model", and "Name" fields.

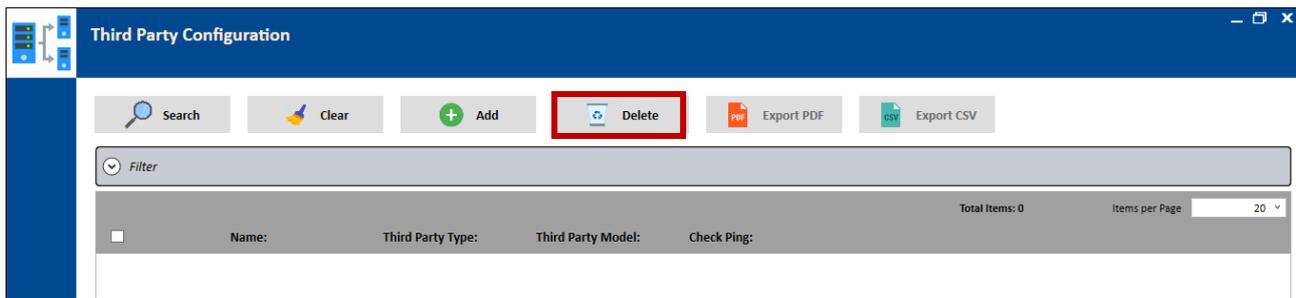
Once you have selected the third party type, the model and after having given a name, for example Test 1, you can click on Continue.

The last steps of adding a third party include giving the IP Address, username and password and select the timing for alarms and bookmarks. Once all the modifications are concluded, click on the button *Done*.



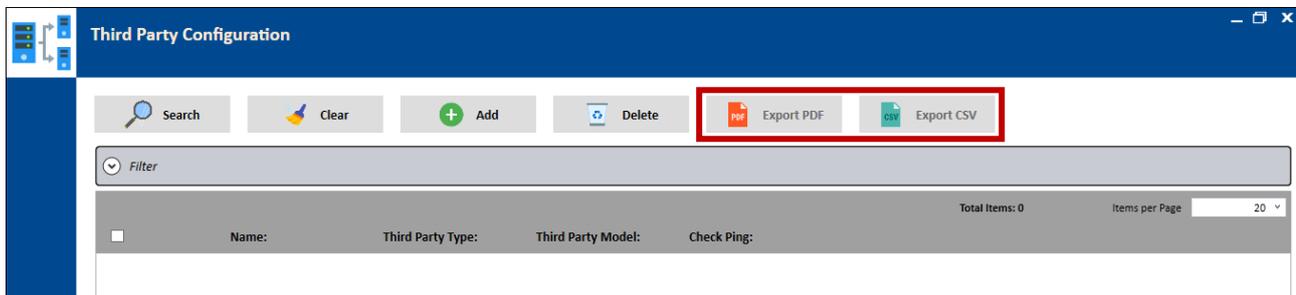
The screenshot shows a web form titled "Third Party Config. - Milestone". The form contains the following fields: "IP:" (text input field with three dots), "Username:" (text input field), "Password:" (text input field), "Wait next alarm:" (time selection field with "00:00:10.000" selected), and "Wait next bookmark:" (time selection field with "00:00:10.000" selected). At the bottom of the form, there are three buttons: "Abort" (with a red 'X' icon), "Back" (with a blue left-pointing arrow icon), and "Done" (with a green checkmark icon). A red rectangular box highlights the "IP:", "Username:", "Password:", "Wait next alarm:", and "Wait next bookmark:" fields.

Delete



Clicking on the button *Delete* allows you to delete a third party.

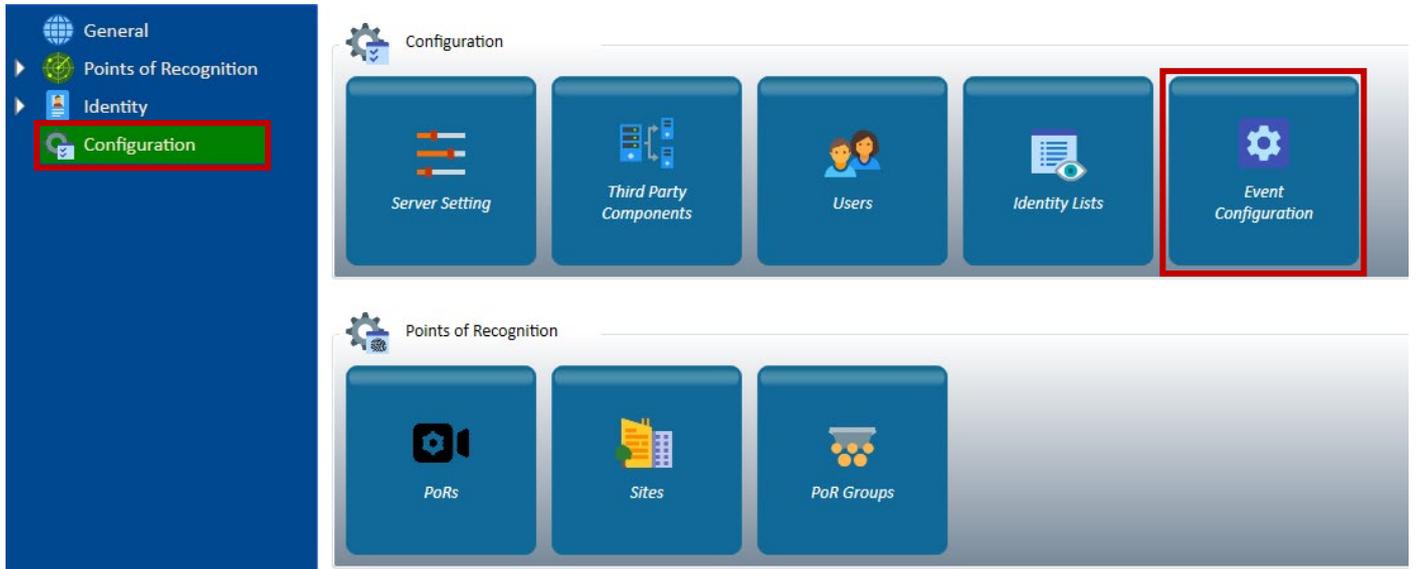
Export PDF/Export CSV



Clicking on the buttons *Export PDF* or *Export CSV* allows you to export in a PDF or CSV file your data.

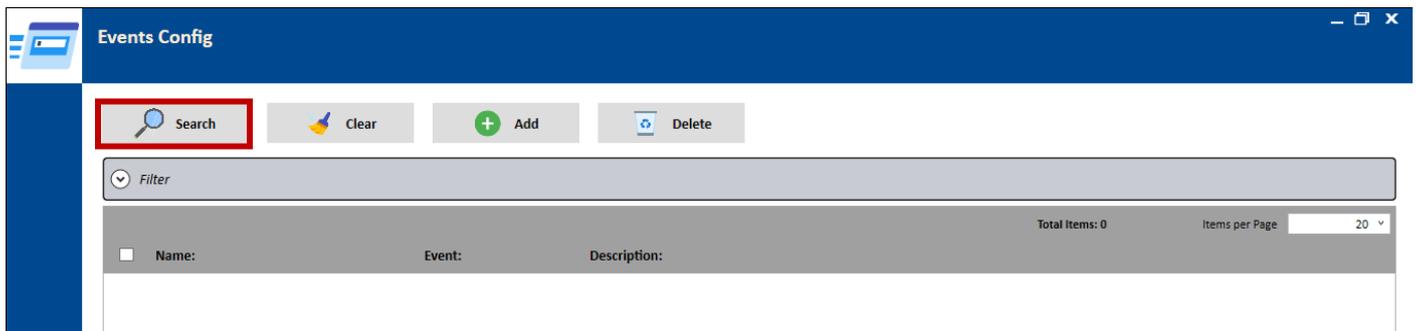
Event Configuration

Once you have configured your third party, for instance Milestone, you can create an event by clicking on the button *Event Configuration*. The process is quite simple and intuitive.

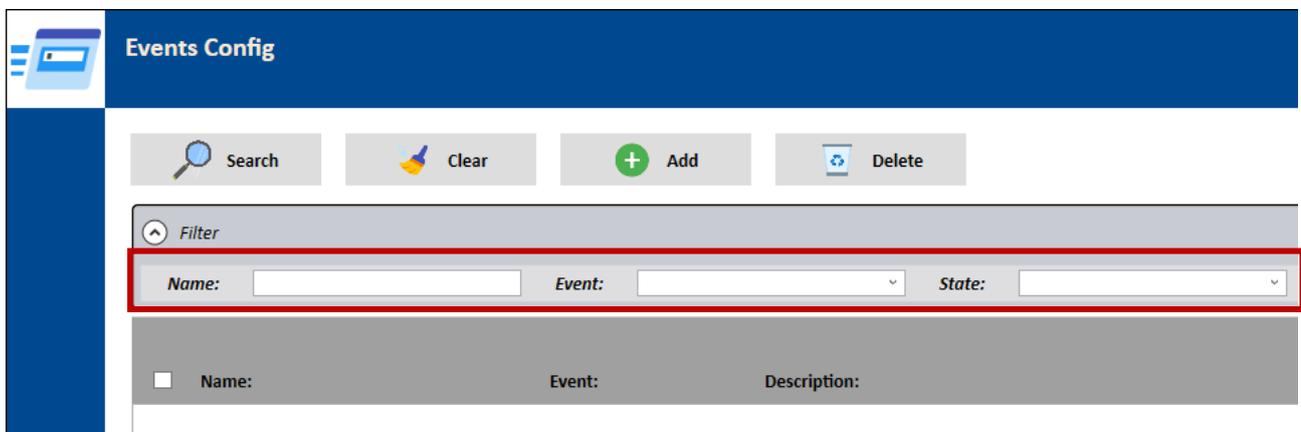


After clicking the button, the following page will open:

Search

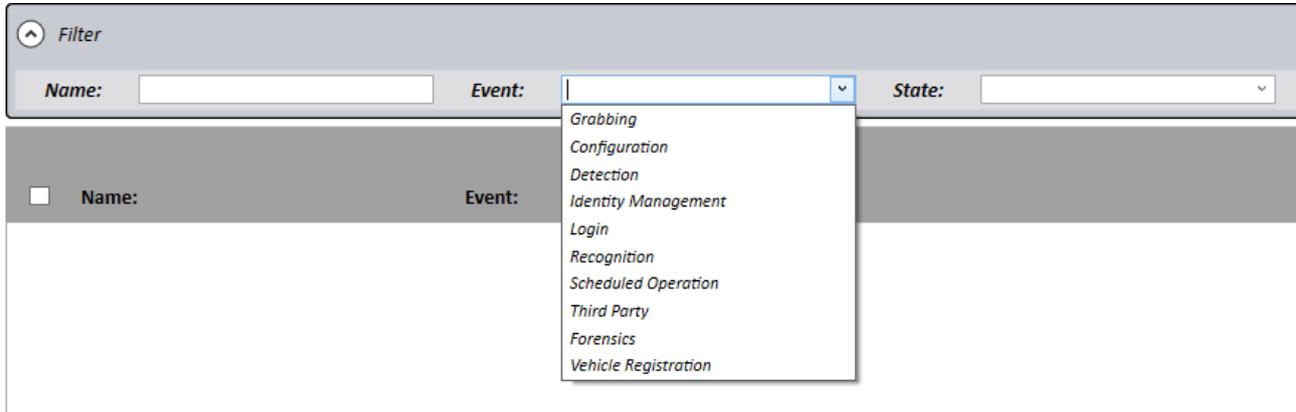


If you click on *Search*, all the events recorded by the system will appear. You can filter your research per name, event or status (whether it is active or inactive).



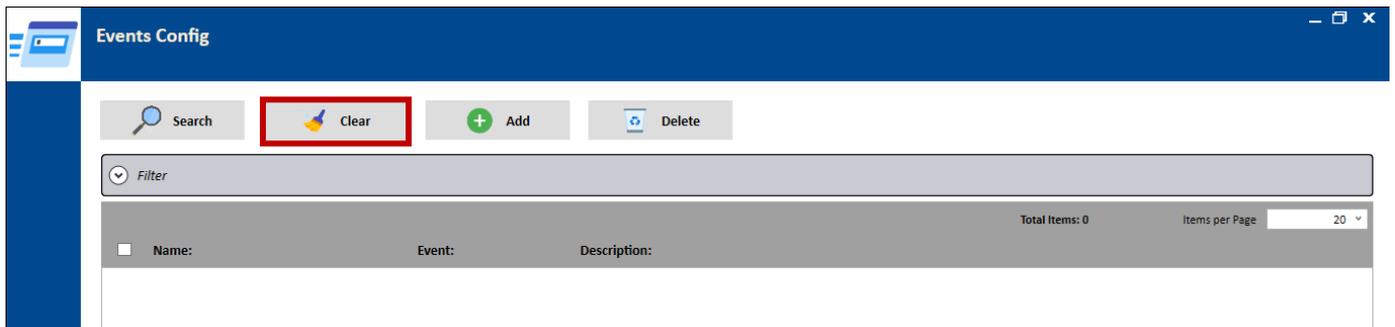
In the following screenshot, the possible events that can be used for filtering the research are shown.

*It is possible to create more events than those reported in the list.



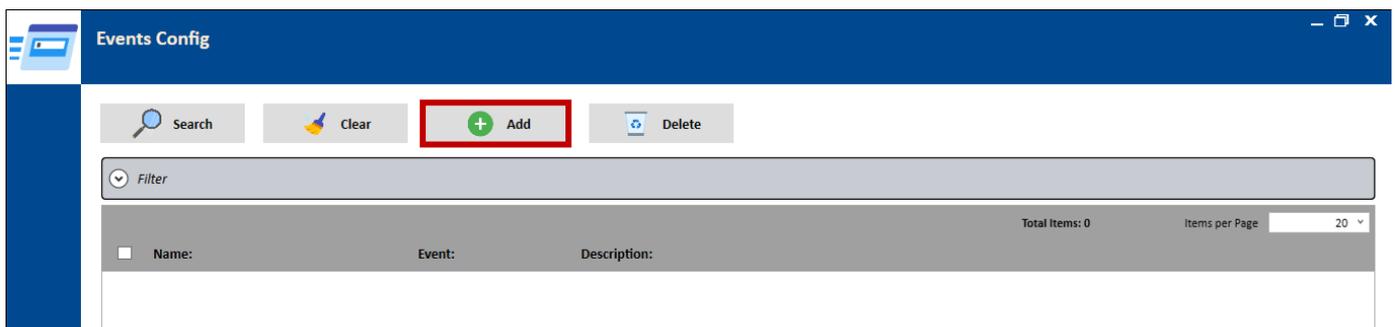
Clear

By clicking the button *Clear*, it is possible to clean the page.



Add

Add bookmark



By clicking the button *Add*, it is possible to create a new event. The possibilities are multiple, we will focus on a few examples. Even if the type of event which triggers an action is different from one another, the mechanism of Event Configuration remains the same.

After clicking the button *Add*, the following page will open. First, you have to give a name to the event, for example Test 1, you might give a short description of the event and finally you have to select from the menu the type of event. **In the case where a third party is involved, the type of event refers to a Recognition.** Next step, click *Save & Continue*.

Event Config. - General

Name:

Description:

Event:

At this point, the following page will appear. The event configuration provides three main sections. *Triggers*, *Conditions* and *Action*. Generally, this means that one event, given one or more conditions, triggers **one or more actions**. In the specific case of Milestone, an event such as a recognition, can trigger an action such as add a bookmark or raise an event.

Event Config. - Details

Events Config

Triggers:

Conditions:

Action:

In the following pages, an example of one event configuration with Milestone will be explained.

First step is to click on the green + button on the right side of *Triggers*.

Event Config - Details

Triggers: +

Conditions: +

Action: +

What triggers the event of Recognition? The sub event of this recognition is the recognition or the not recognition of an identity. In this case, we select *Recog Identity*. Click *Save & Continue*.

Event Config - Trigger

Event: Recognition

Sub Event: Recog identity
Not Recog Identity

➡ Save & Continue

Now we have established that the recognition of an identity is the trigger to an action.



Event Config. - Details

Triggers:

Event:	Recognition	Sub Event:	Recog identity
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In order to create the event, which triggers an action, it is necessary to set some conditions.

Second step, click on the green + button on the right side of *Conditions*.



Event Config. - Details

Triggers:

Conditions:

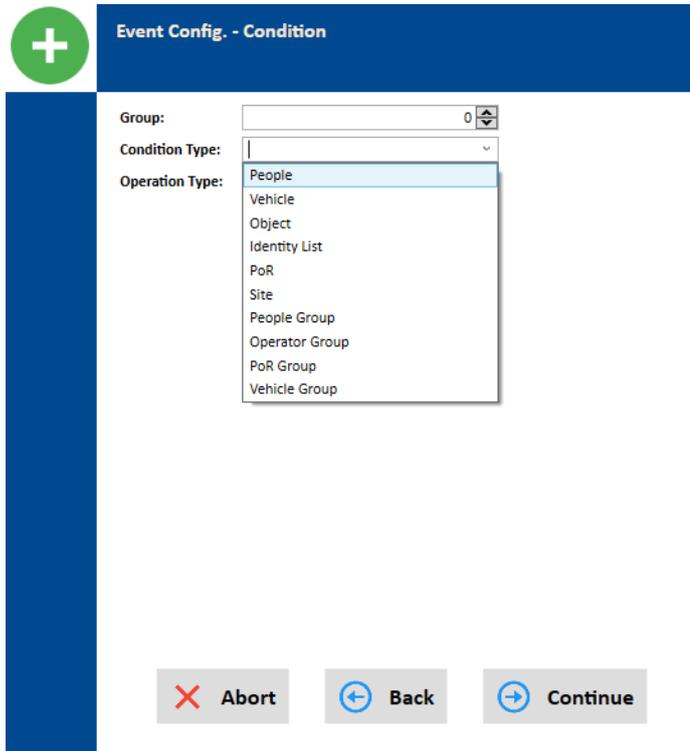
Action:

The following page will appear: first step is to select the Condition Type. This terminology is quite general because It can refer to the identity that has to be recognized, for instance it could be a person, a vehicle or an object (FaRe Hybrid is an Identity Recognition Platform, therefore identities can be People, Vehicles or Objects), or an Identity List, which means a preconfigured list of people, vehicles or objects. Condition Type can also refer to a Site or a group of People, Operators or Vehicles. Finally, the condition type can also refer to a PoR (point of recognition such as a video surveillance camera, a reader...ecc) from which the recognition is done.

In this specific case, we need two fundamental conditions. Because in order to perform a recognition we need the identity that has to be recognized and the point of recognition, for instance the video surveillance camera or a face reader.

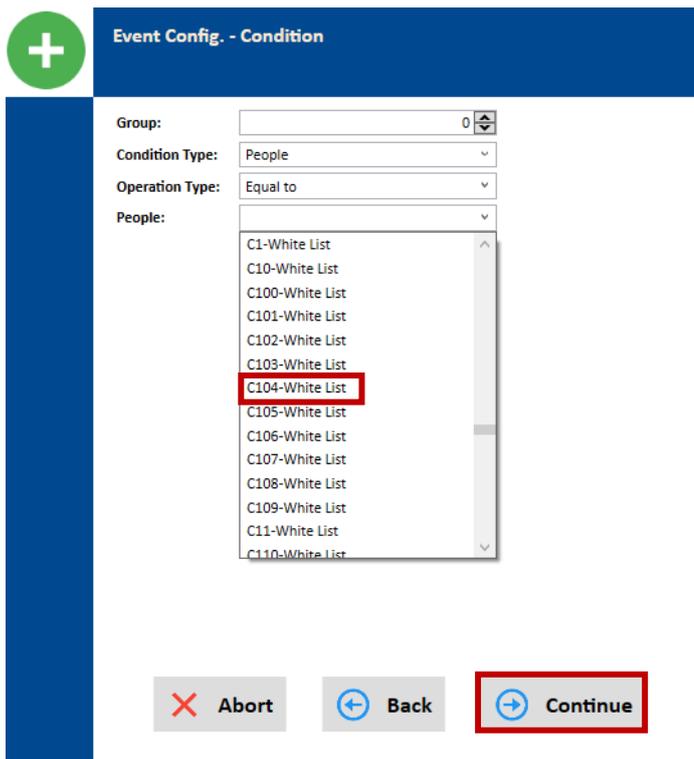
Let us start with the first condition type:

- Who or What are we recognizing?



The screenshot shows the 'Event Config. - Condition' form. The 'Group' field is set to 0. The 'Condition Type' dropdown is empty. The 'Operation Type' dropdown is open, showing a list of options: People, Vehicle, Object, Identity List, PoR, Site, People Group, Operator Group, PoR Group, and Vehicle Group. At the bottom, there are three buttons: 'Abort' (with a red X icon), 'Back' (with a left arrow icon), and 'Continue' (with a right arrow icon).

In this example, we chose people. Next step is to select the Operation Type which can be *Equal to* or *Not Equal to*. We chose *Equal to*. Then we have to select to whom this recognition should be equal to. In our system, we have many lists of people already archived, therefore we can select the person or the list of people. We choose for instance C104-White List. Click on *Continue*.



The screenshot shows the 'Event Config. - Condition' form. The 'Group' field is set to 0. The 'Condition Type' dropdown is set to 'People'. The 'Operation Type' dropdown is set to 'Equal to'. The 'People' dropdown is open, showing a list of white lists: C1-White List, C10-White List, C100-White List, C101-White List, C102-White List, C103-White List, C104-White List (highlighted with a red box), C105-White List, C106-White List, C107-White List, C108-White List, C109-White List, C11-White List, and C110-White List. At the bottom, there are three buttons: 'Abort' (with a red X icon), 'Back' (with a left arrow icon), and 'Continue' (with a right arrow icon, highlighted with a red box).

At this point, we have the trigger and the first condition.

The screenshot shows the 'Event Config. - Details' interface. It features a blue header with a green plus icon on the left. Below the header, there are two main sections: 'Triggers' and 'Conditions'. The 'Triggers' section contains a single entry with 'Event: Recognition' and 'Sub Event: Recog identity'. The 'Conditions' section contains a single entry with 'Condition Type: People', 'Operation Type: Equal to', 'Value: White List', and 'Group: 0'. A green plus icon is visible on the right side of the 'Conditions' section, indicating where to click to add a new condition.

If we click again on the green + on the right side of Conditions, we can create the second condition. We select among the Condition type *PoR*, which is the point of recognition, which has to be *Equal to Cube in front of Monitor*, which is one of the many video surveillance cameras already configured in the system.

The screenshot shows the 'Event Config. - Condition' interface. It features a blue header with a green plus icon on the left. Below the header, there are several fields: 'Group' (set to 0), 'Condition Type' (set to PoR), 'Operation Type' (set to Equal to), and 'PoR'. The 'PoR' field has a dropdown menu open, showing a list of video surveillance cameras. The camera 'Cube in front of monitor' is highlighted with a red box. At the bottom of the interface, there are three buttons: 'Abort' (with a red X icon), 'Back' (with a blue left arrow icon), and 'Continue' (with a blue right arrow icon). The 'Continue' button is highlighted with a red box.

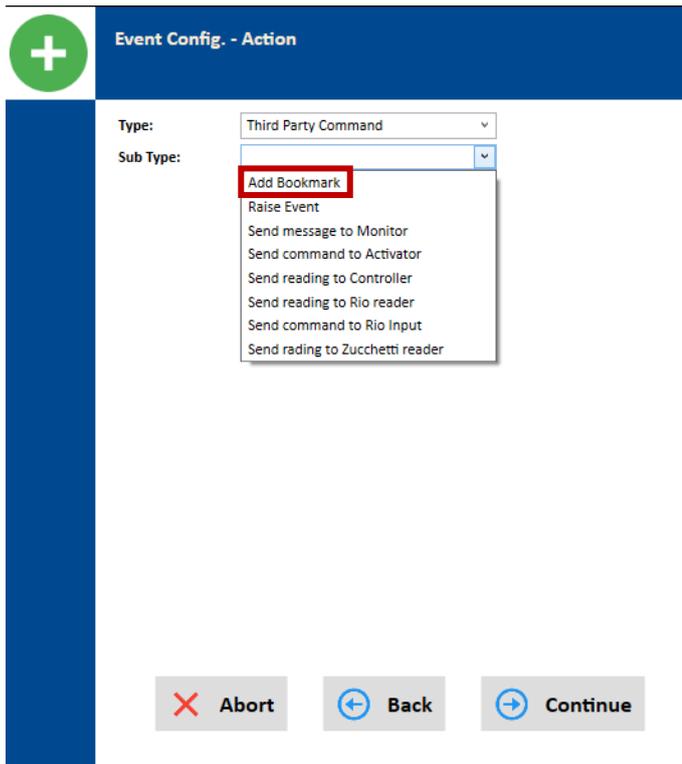
Now we have created our second condition.

The screenshot shows the 'Event Config. - Details' interface. At the top left is a green circle with a white plus sign. The header is a dark blue bar with the text 'Event Config. - Details'. Below the header, there are two main sections: 'Triggers' and 'Conditions'. The 'Triggers' section contains a single entry with 'Event: Recognition' and 'Sub Event: Recog identity'. The 'Conditions' section contains two entries: the first has 'Condition Type: People', 'Operation Type: Equal to', 'Value: White List', and 'Group: 0'; the second has 'Condition Type: PoR', 'Operation Type: Equal to', 'Value: Cube in front of monitor', and 'Group: 0'. There is a small green plus sign on the right side of the 'Triggers' section.

Finally, we have to click on the last green + button on the right of *Action* in order to create the event.

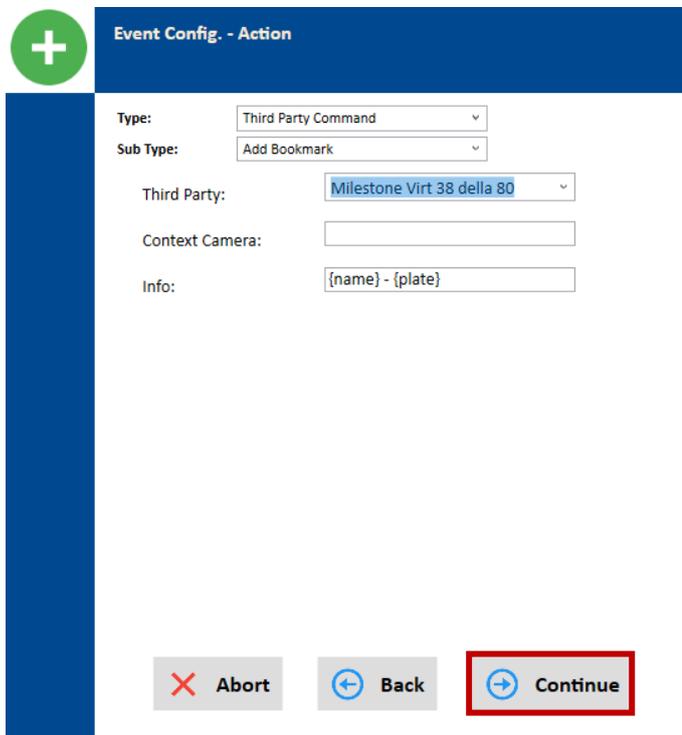
This screenshot is similar to the previous one but includes an 'Action:' section at the bottom. The 'Triggers' and 'Conditions' sections are identical. A small green plus sign is visible on the right side of the 'Triggers' section. In the 'Action:' section, there is a red square box highlighting a green plus sign button.

The type of action that we will select will be the one involving a third part, therefore *Third Party Command*, in particular, we want to *Add a Bookmark*.



The screenshot shows the 'Event Config. - Action' interface. At the top left is a green circle with a white plus sign. The title 'Event Config. - Action' is in a dark blue header. Below the header, there are two dropdown menus: 'Type' (set to 'Third Party Command') and 'Sub Type' (with a dropdown menu open). The 'Sub Type' menu lists several options, with 'Add Bookmark' highlighted in a red box. At the bottom, there are three buttons: 'Abort' (with a red X icon), 'Back' (with a left arrow icon), and 'Continue' (with a right arrow icon).

Once we have selected the sub type of action, all the third parties performing this particular action will appear. We select *Milestone Virt 38 della 80*, which is the name we have given to the third party, insert the context camera, give some additional information and click on *Continue*.



The screenshot shows the 'Event Config. - Action' interface after further configuration. The 'Type' dropdown is still 'Third Party Command'. The 'Sub Type' dropdown is now 'Add Bookmark'. The 'Third Party' dropdown is set to 'Milestone Virt 38 della 80'. Below this, there are three input fields: 'Context Camera' (empty), and 'Info' (containing the text '{name} - {plate}'). At the bottom, the 'Continue' button is highlighted with a red box.

The event has been created.

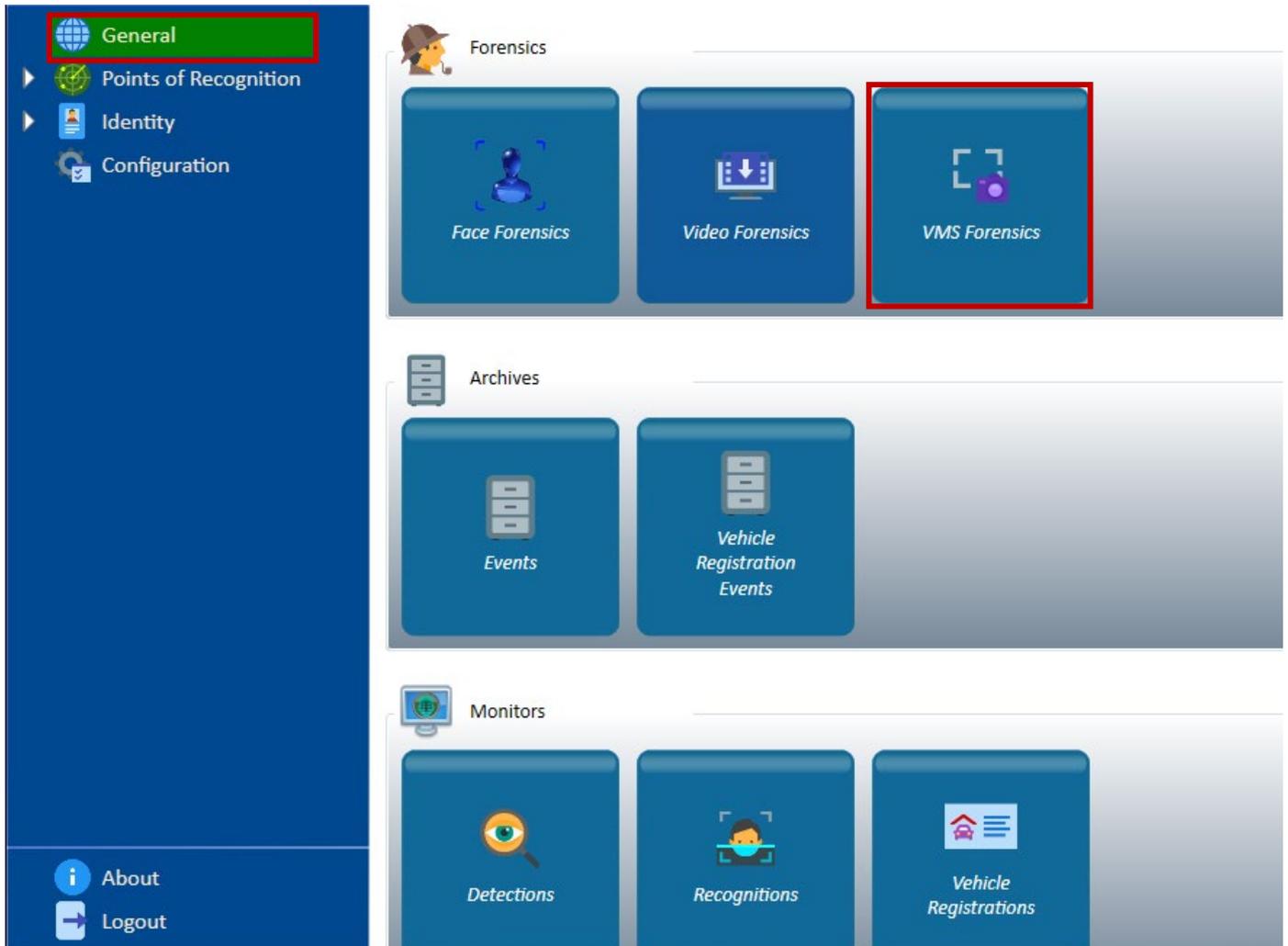
Delete

By clicking the button *Delete*, it is possible to delete the selected event.

The screenshot shows the 'Events Config' application interface. At the top, there is a dark blue header with the text 'Events Config' and a small icon on the left. Below the header, there is a toolbar with four buttons: 'Search' (with a magnifying glass icon), 'Clear' (with a blue eraser icon), 'Add' (with a green plus icon), and 'Delete' (with a blue trash can icon). The 'Delete' button is highlighted with a red rectangular box. Below the toolbar, there is a 'Filter' section with a dropdown arrow and the text 'Filter'. Underneath, there is a table header with columns for 'Name:', 'Event:', and 'Description:'. To the right of the table header, there is a status bar showing 'Total Items: 0' and 'Items per Page' set to '20' with a dropdown arrow. The table body is currently empty.

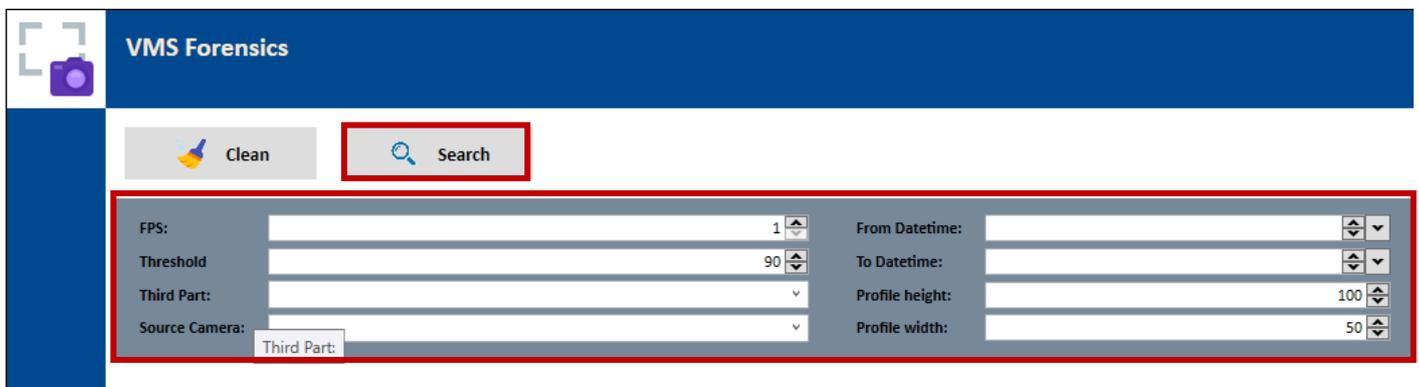
General

VMS Forensics



The General section provides a set of different functions that are useful for the operator from a general point of view. Among the general functions, you can find *Forensics*, *Archives* and *Monitors*.

One function which is of specific interest for the integration with Milestone is *VMS Forensics*. This function searches faces and reported subjects from a VMS such as Milestone. Once you click on the button *VMS Forensics*, the following page will appear.



In this section, the operator has to select some fields such as the Third Part, the Source Camera and the time interval from which he intends to make his research. Other fields, such as FPS, Threshold, Profile height and Profile width, can be left as default. After having filled the required fields, click on *Search*.

After having clicked the button Search, the system will extract all the faces and show the identity and the belonging list of the person.

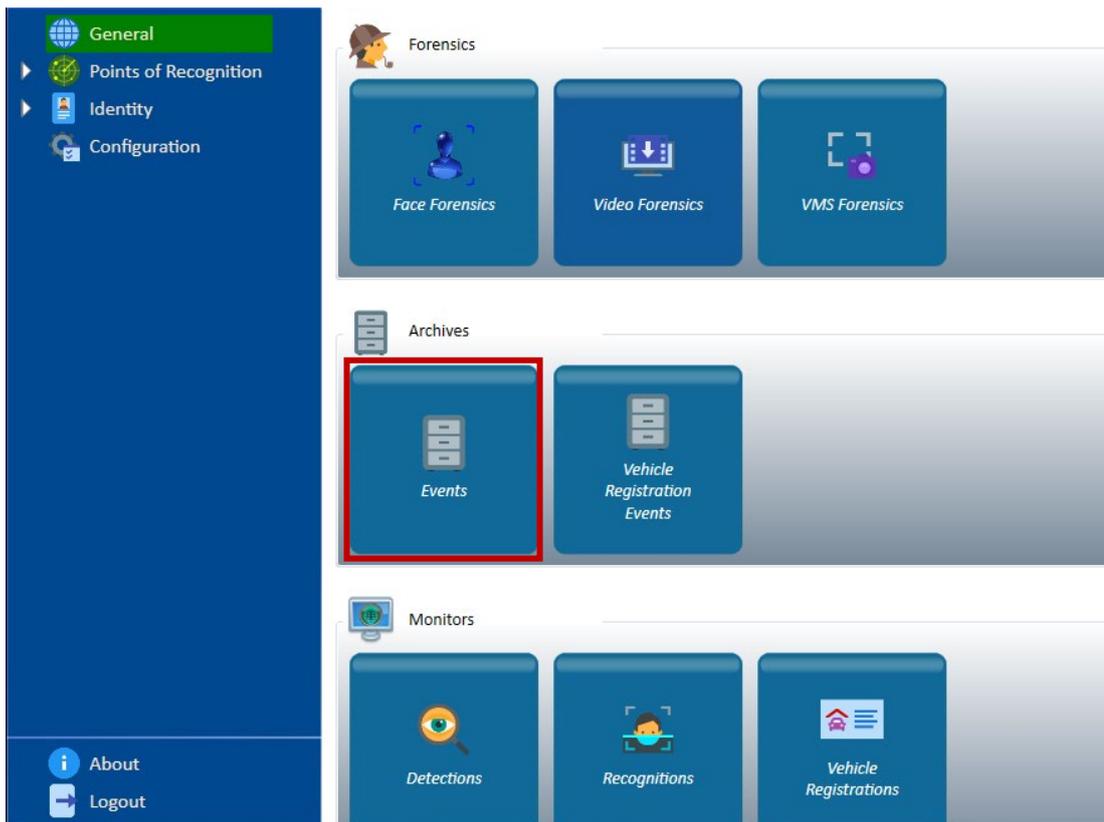
The screenshot displays the VMS Forensics interface. At the top, there is a blue header with the text "VMS Forensics" and a camera icon. Below the header, there are two buttons: "Clean" (with a broom icon) and "Stop" (with a red hand icon). The main area contains a search configuration panel with the following fields:

FPS:	1	From Datetime:	08/14/2020 15:52
Threshold	90	To Datetime:	08/14/2020 15:53
Third Part:	Milestone Virt 38 della 80	Profile height:	100
Source Camera:	EuklisLite KLISLite IP CUBE-IR-POE (192.168.0.142) - Camera 1	Profile width:	50

Below the search panel, there are two main sections. The left section shows a video frame with a face and a corresponding extracted face image. Below these images, the text reads: "8/14/2020 4:03:05 PM - Camera: EuklisLite KLISLite IP CUBE-IR-POE (192.168.0.142) - Camera 1". The right section shows a single extracted face image with a purple background. Below the image, the text reads: "White List A45 99%".

Archives

In the General page, below *Forensics* there are the *Archives*. In particular, the mask called *Events* is interesting for the integration with third parties. Here, all the events recorded by the system are archived. Certainly, it is possible to decide if the events will be archived or not and how long the events will be archived in the system.



Events

After clicking the button *Events*, the following page will appear: if you click on *Search* without filtering your research, all the events recorded by the system will appear such as those of detection, recognition, temperature measurement, access control and much more. If you filter, you will find specific information. In the following case, the extracted information regards VMS Forensics. The system will show some basic details such as the date of the recorded event, the type of event, the sub event, the name and the surname of the identity and the point of recognition from which the event has been recorded.

Events Archive

🔍 Search

🧹 Clean

📄 Export PDF

📄 Export CSV

Filter

From Date: To Date:

Plate:

Diagnostic:

Description:

Entity ID:

Name: Surname:

Point of Recog: Operator:

Event Type: Sub Event:

☐

☑	Date:	Event:	Sub Event:	Name:	Surname:	Plate:	Point of Recog:
☑	8/14/2020 4:03:16 PM	Recognition	Recog identity	White List	A88		VMS forensics
☑	8/14/2020 4:03:16 PM	Recognition	Recog identity	White List	A88		VMS forensics
☑	8/14/2020 4:03:16 PM	Recognition	Recog identity	White List	A48		VMS forensics

Total Items: 949 Items per Page

If you click on the downward arrow, more details regarding the recognized identity will appear: the ID, the description, the reliability, the recognition system used, the algorithm, the face forensics type and the file path. Moreover, the system shows the recognized image and the detected image.

Events Archive

Search Clean Export PDF Export CSV

Filter

Total Items: 897092 Items per Page

Date:	Event:	Sub Event:	Name:	Surname:	Plate:	Point of Recog:
8/14/2020 4:03:16 PM	Recognition	Recog identity	White List	A88		VMS forensics

ID: 16302258 **Description:** 'White List A88' in lista 'Terrorist' riconosciuto su 'EuklisLite KLISLite IP CUBE-IR-POE (192.168.0.142) - Camera 1 [Forensics]'

Reliability: 92.00 % **Recognition system:** Pattern matching **Algorithm:** OneToMany **Face Forensics Type:** VMS **File Path:** EuklisLite KLISLite IP CUBE-IR-POE (192.168.0.142) - Camera

Recognized image: 

Detected image: 