

# Milestone Integration Setup Guide



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### 1. Introduction

This guide is a how to explanation for the integration of the Ngaro Analytics in Milestone Xprotect.

In this guide we are going to configure the Ngaro Analytics for the automatic sending to the Milestone Event Handles. Once is configured, you can start the video recording, acoustic alarms or every element supported by Milestone.

Is very important to know that the Ngaro Analytics is compatible with all the Xprotect series.



## 2. Configuring the integration

### 2.1 Adding analytics events

The first step is to add a new Analytics Event in "Events and Output => Analytic Events"



Ngaro can handle multiples events, in that case, we are going to configure three that are the most used:

- Ngaro frontier
- Ngaro presence
- Ngaro test

For configure a new event, right click over "Analytics Events" and select "Create new"

| Events and Output | Analytics Events: |
|-------------------|-------------------|
| Hardware Output   | Ite New           |

Now is necessary to put a name. This name would be: Ngaro presence, Ngaro frontier or Ngaro test

| Analytics Events |                | -          | × |
|------------------|----------------|------------|---|
| Analytics Events | Name:          |            | _ |
| 3                | Ngaro presence | Test Event |   |
|                  | Description:   | <br>       |   |





The use for this three kind of analytics is:

- Ngaro frontier: to received the detection of a cross-line of one target alarm generated by Ngaro Analytics
- Ngaro presence: to received the detection of the presence of a target in the area created in the Ngaro Analytics
- Ngaro test: to received the test alarms generated by Ngaro Analytics



#### 2.2 Adding the alarms rules

Now is necessary to create the alarms definitions in "Alarms => Alarm Definitions"



For configure a new alarm, right click over "Alarms" and select "Create new"



It will open a window on we need to complete these fields:

| arm Definition |                          |                            | - 0             |
|----------------|--------------------------|----------------------------|-----------------|
|                |                          |                            |                 |
| arm Definition | Alarm definition         |                            |                 |
|                | Enable:                  | $\checkmark$               |                 |
|                | Name:                    | Ngaro presence             |                 |
|                | Instructions:            |                            | ^               |
|                |                          |                            |                 |
|                | Trigger                  |                            |                 |
|                | Triggering event:        | Analytics Events           | ~               |
|                |                          | Ngaro presence             | ~               |
|                | Sources:                 | All Cameras (DEPOSITO DE C | COLLADO' Select |
|                | Activation period        |                            |                 |
|                | Time profile:            | Always                     | ~               |
|                | C Event based:           | Start:                     | Select          |
|                |                          | Stop:                      | Select          |
|                | Operator action required |                            |                 |
|                | Time limit:              | 1 minute                   | ~               |
|                | Events triggered:        | 3                          | Select          |
|                | Other                    |                            |                 |
|                | Related cameras:         |                            | Select          |
|                | Related map:             |                            | ~               |
|                | Initial alarm owner:     |                            | ~               |
|                | Initial alarm priority:  | High                       | ~               |
|                |                          |                            | OK Cance        |



### Alarm definition

Name: the name of the rule

Trigger

Triggering event: you need to choose "Analytics Events" in the first field and the event in the second (in this example "Ngaro presence"

Sources: you can select only one camera, two cameras... or all the cameras

| Select Sources         |  |                     |           |               | ×          |
|------------------------|--|---------------------|-----------|---------------|------------|
| Type filter:           | All  | ~                   |           |               |            |
| Servers                |  |                     | Selected: |               |            |
| All Trans              | A CONTRACT OF CONTRACT OF CONTRACT OF COLLADO<br>Ameras (DEPOSITO DE<br>AMARA PUERTA PEAT<br>AMARA PUERTA VEHIC<br>AMARA TERMICA 1<br>AMARA TERMICA 2<br>AMARA TERMICA 3<br>AMARA TERMICA 3<br>AMARA TERMICA 4 | Remove              | CAMA      | RA TERMICA 1  |            |
|                        |  |                     |           | OK            | Cancel     |
| Select Sources         |  |                     |           |               | ×          |
| Type filter:           | All  | ~                   |           |               |            |
| Servers                |  |                     | Selected: |               |            |
| All Even               | ts A<br>s<br>ophones   |                     | All Car   | neras (DEPOSI | TO DE COLI |
| All Output<br>All Spea | ikers<br>saction sources   | Add Contract Remove |           |               |            |
|                        | ameras (DEPOSITO DE  |                     | <         |               | >          |
|                        |  |                     |           | ОК            | Cancel     |

The rest of the field can we used if you want to configure some others actions like trigger an alarm using an external module or play a sound when trigger the alarm definition.



### 2.3 Enable the Analytics events

At last, is necessary to make enable the Milestone port to receive the alarms from the Ngaro analytics.

For that is necessary click on "*Options*  $\rightarrow$  *Settings*" and now select "*Analytics Events*". Now only check the box "*Enabled*" and leave the port 9090.

| ettings                     |   |    |     | ×   |
|-----------------------------|---|----|-----|-----|
|                             |   |    |     |     |
| General                     | Analytics events                          |    |     |     |
| Connecting hardware devices | Enabled                                   |    |     |     |
| ser Interface               | Port:                                     |    |     |     |
| efault File Paths           | 3030                                      |    |     |     |
| udio recordina              | Security                                  |    |     |     |
| cress Control Settings      | Events allowed from:                      |    |     |     |
| larma and Events            | <ul> <li>All network addresses</li> </ul> |    |     |     |
| alitis and Events           | Specified network addresses:              |    |     |     |
| nalytics Events             | Address                                   |    |     |     |
|                             | •   |    |     |     |
|                             | Import                                    |    |     |     |
|                             | miport                                    |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
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|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   |    |     |     |
|                             |   | OK | Can | Inc |



# 3. Check the Smart Client

At this moment, every alarm that generate in the Ngaro Analytics will be received in the Milestone Smart Client in the Alarm Manager.



| Hora 🔺              | Nivel de priorid | Nivel de estado | Nombre de estado | Mensaje         | Fuente   | Propietario | ID  |
|---------------------|------------------|-----------------|------------------|-----------------|----------|-------------|-----|
| 13:25:13 04/08/2015 |                  |                 |                  | Ngaro presencia | Cámara 1 |             | 118 |
| 13:20:51 04/08/2015 | 1                | 1               | Nuevo            | Ngaro presencia | Cámara 1 |             | 117 |



| Ngaro DU (channel  | el 1) — 🗆  | ×   |  |  | 5   |  |  |   | 17                    | 7/01/2019 10:07:06 |         |
|--|--|---|--|--|---|--|--|---|-----------------------|--------------------|---------|
| Dire   |  | as  | Gestor d   | le alarma 🧑  |   |  |  |   |                       |                    | • 0 9   |
|  |  |   |  |  |   |  |  |   |                       |                    | Ajustes |
|  | 6 B. S. S.   |   |  |  | <u>ان</u> :   | CAMARA TERMICA 1 -   | 17/01/2019 10:07:05.162  |   |                       |                    | -       |
|  |  |   |  |  |   |  |  | Después de la<br>CAMARA TERMIC<br>127.00.1.80 | s grabaciones.<br>A 1 |                    |         |
|  | me. 11.1/1 ms. 🕑 50  | ow video  |  |  |   |  |  |   | 10.07.20 265          | 11                 |         |
|  |  |   |  |  |   | 9:40   | 950 41 4   | 17/01/2019                                    | 10.07.39.205          | II 14              | 10:30   |
| ros rápidos  | Alarmas <i>Nuevo (filtro</i>   | aplicado) 🗸   | Borrar filtro  |  |   | 9,40   | 950 41 4   | 17/01/2019                                    | 10:07:59:205          |                    | 10:30   |
| ros rápidos<br>T Nuevo (6739)  | Alarmas <i>Nuevo (filtro i</i><br>ञ Hora   | a <i>plicado)                                     </i>  | Borrar filtro<br>orid Nivel de estado  | Nombre de est  | Mensaje   | 9:40   | 950 🖣 🖣  | 17/01/2019                                    | 10.07.39.295          |                    | 10:30   |
| ros rápidos<br>Y Nuevo (6739)<br>Y En curso (0)  | Alarmas <i>Nuevo (filtro .</i>   | aplicado) ~<br>Nivel de pri<br>9 1  | Borrar filtro<br>orid Nivel de estado<br>1   | Nombre de est<br>Nuevo   | Mensaje<br>Ngaro presen   | 940<br>Fuente<br>CAMARA TERMICA 1  | 950 ID<br>Propietaric ID<br>7454   | 17/01/2019                                    | 10.07.39.295          |                    | 10:30   |
| ros rápidos<br>Y Nuevo (6739)<br>Y En curso (0)<br>Y En espera (0)                                       | Alarmas Nuevo (filtro<br>Hora<br>10.07:35 17/01/201<br>10.06:12 17/01/201  | Nivel de pri<br>9 1<br>9 1  | Borrar filtro<br>orid Nivel de estado<br>1<br>1  | Nombre de est<br>Nuevo<br>Nuevo  | Mensaje<br>Ngaro presen<br>Ngaro presen   | 940<br>Fuente<br>CAMARA TERMICA 1<br>CAMARA TERMICA 6  | 950 <b>4</b> 4<br>Propietario ID<br>7454<br>7453   | 17/01/2019                                    | 10.07.35.205          |                    | 10:30   |
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| (     7454 Ngaro presence - CAMARA TERMICA 1                 |                       | – 🗆 X                        |
|--|-----------------------|------------------------------|
| CAMARA TERMICA 1   | TERMICA 1 - 17/01/201 | 10:07:35.003 <b>()</b> ►     |
| Cámara: CAMARA TERMICA 1                                     |                       | Ir a la hora de alarma       |
| Instrucciones:   | Asignado a:           | · · · ·                      |
|  | Estado:               | 1: Nuevo 🔻                   |
|  | Prioridad:            | 1: Alto 🔻                    |
|  | Categoria:            |                              |
|  | ID:                   | 7454                         |
|  | Fuente:               | CAMARA TERMICA 1             |
|  | Alarma:               | Ngaro presence               |
|  | Tino:                 | Ngaro Analytice              |
| Actividades:   | - Reala:              | Definición de alarma         |
| Hora Actividad Propietario<br>10:07 Estado inicial: 1: Nuevo | Ilbicación:           | Dennicion de alarma          |
| 10:07 Prioridad inicial: 1: Alto                             | Etiqueta              | Alarm                        |
|  | Distribuidor          | Ngaro Intelligent Solutions  |
|  | Objeto:               | rigare intelligent Solutions |
|  |                       |                              |
|  |                       |                              |
| Añadir   |                       |                              |
|  |                       |                              |



# Annex I: complementary info

Below we include some links to Youtube with more visual info How to configure: <u>https://youtu.be/wkwGNhEay4Q</u> An integration example: <u>https://youtu.be/LyxkildxXfU</u>