



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.

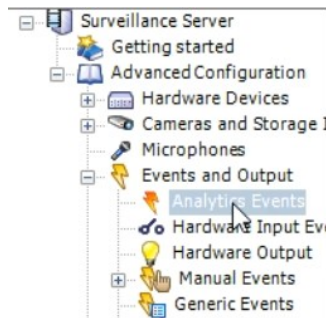
In this guide we are going to configure the Ngaro Analytics for the automatic sending to the Milestone Event Handles. Once is configured, you can start the video recording, acoustic alarms or every element supported by Milestone.

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

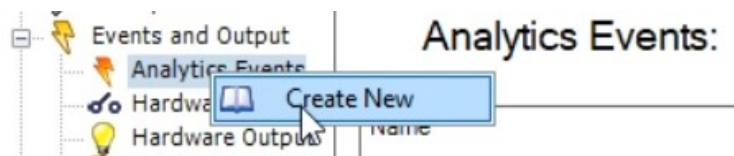
The first step is to add a new Analytics Event in “Events and Output => Analytic Events”



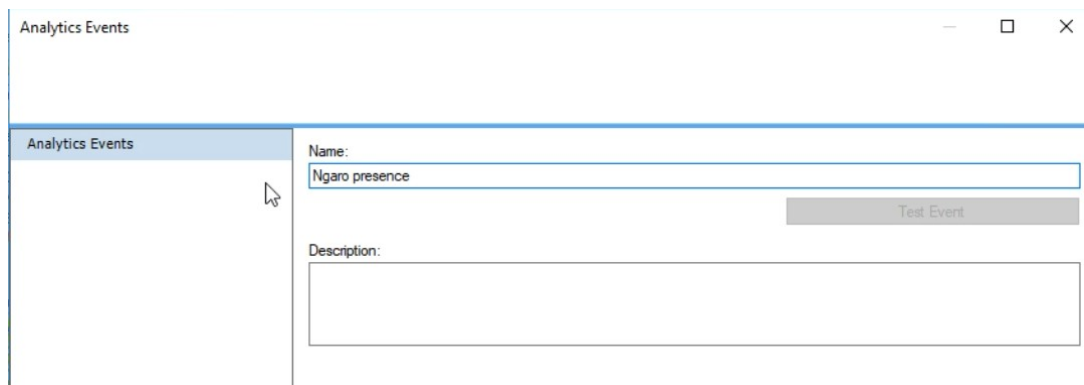
Ngaro can handle multiples events, in that case, we are going to configure three that are the most used:

- Ngaro frontier
- Ngaro presence
- Ngaro test

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

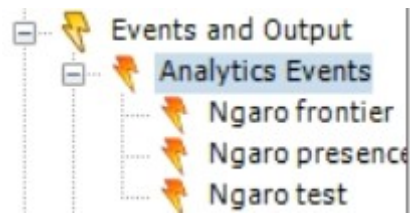


Now is necessary to put a name. This name would be: Ngaro presence, Ngaro frontier or Ngaro test



A screenshot of the 'Analytics Events' configuration window. The window title is 'Analytics Events'. On the left, there is a tree view showing the 'Analytics Events' folder. On the right, there is a form with the following fields:

- Name:** A text input field containing 'Ngaro presence'.
- Description:** A large empty text area.
- Test Event:** A button located to the right of the Name field.

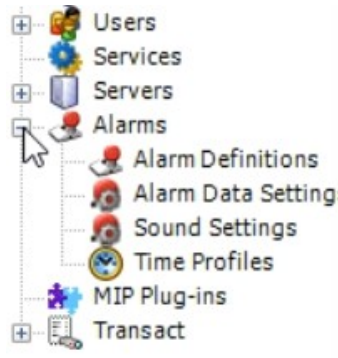


The use for this three kind of analytics is:

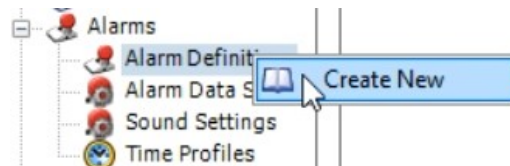
- Ngaro frontier: to received the detection of a cross-line of one target alarm generated by Ngaro Analytics
- Ngaro presence: to received the detection of the presence of a target in the area created in the Ngaro Analytics
- Ngaro test: to received the test alarms generated by Ngaro Analytics

2.2 Adding the alarms rules

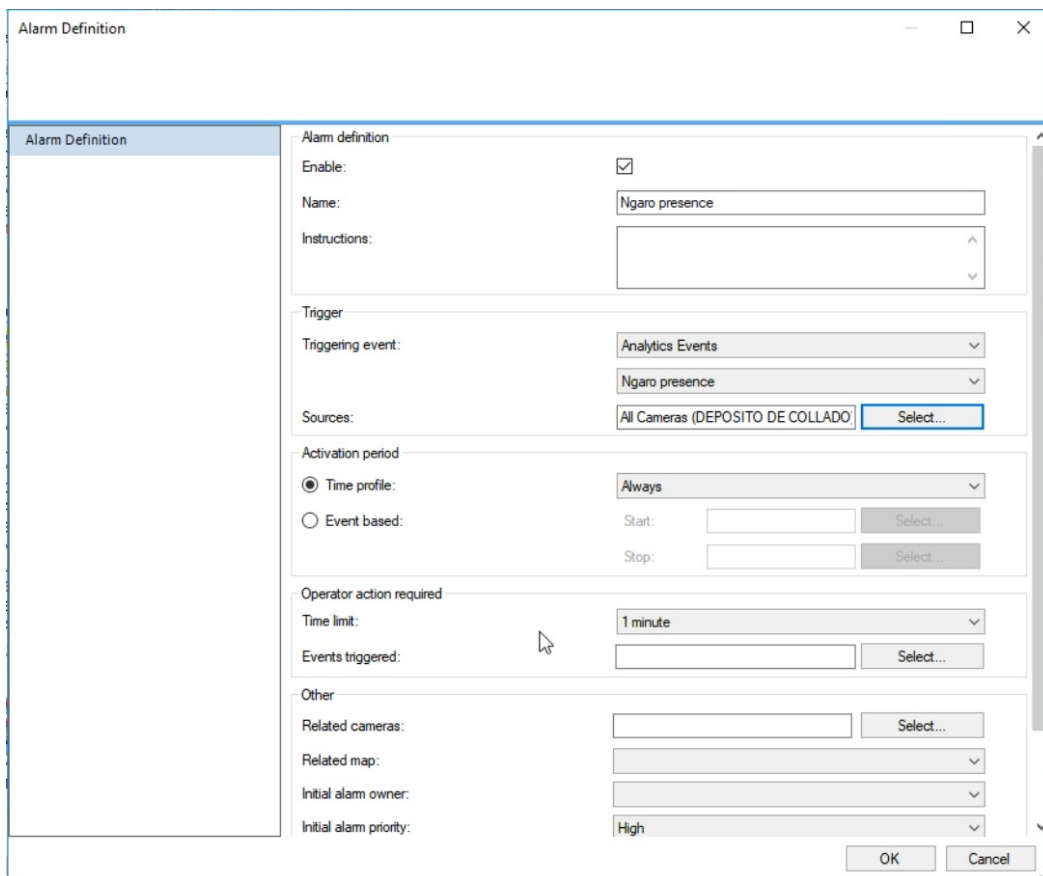
Now is necessary to create the alarms definitions in “Alarms => Alarm Definitions”



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:



The 'Alarm Definition' window contains the following fields and options:

- Alarm definition:**
 - Enable:
 - Name:
 - Instructions:
- Trigger:**
 - Triggering event:
 - Sources:
 - Sources:
- Activation period:**
 - Time profile:
 - Event based:
 - Start:
 - Stop:
- Operator action required:**
 - Time limit:
 - Events triggered:
- Other:**
 - Related cameras:
 - Related map:
 - Initial alarm owner:
 - Initial alarm priority:

Buttons:

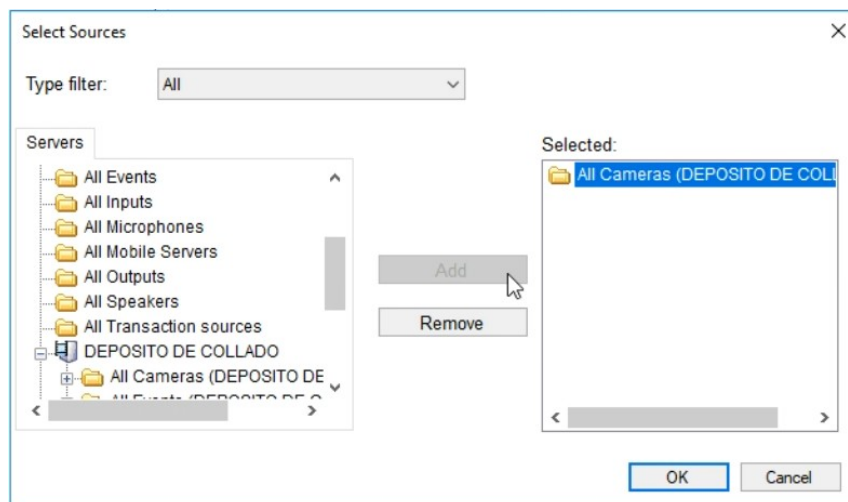
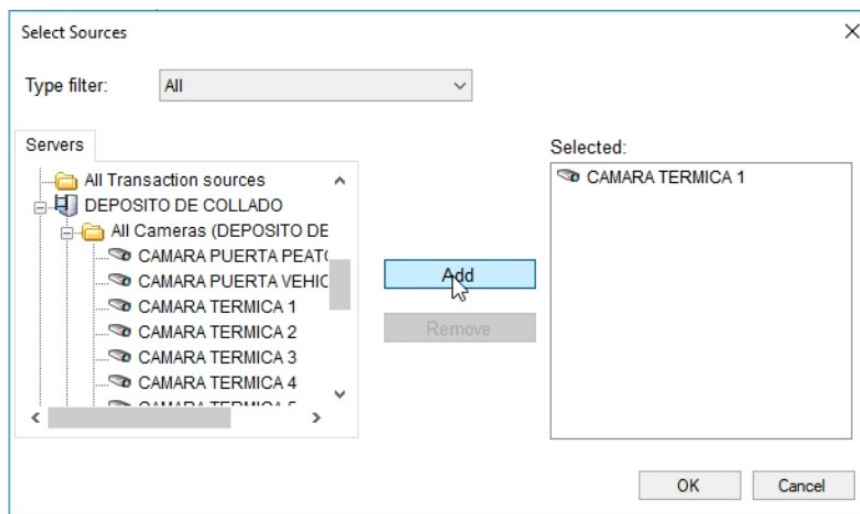
Alarm definition

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

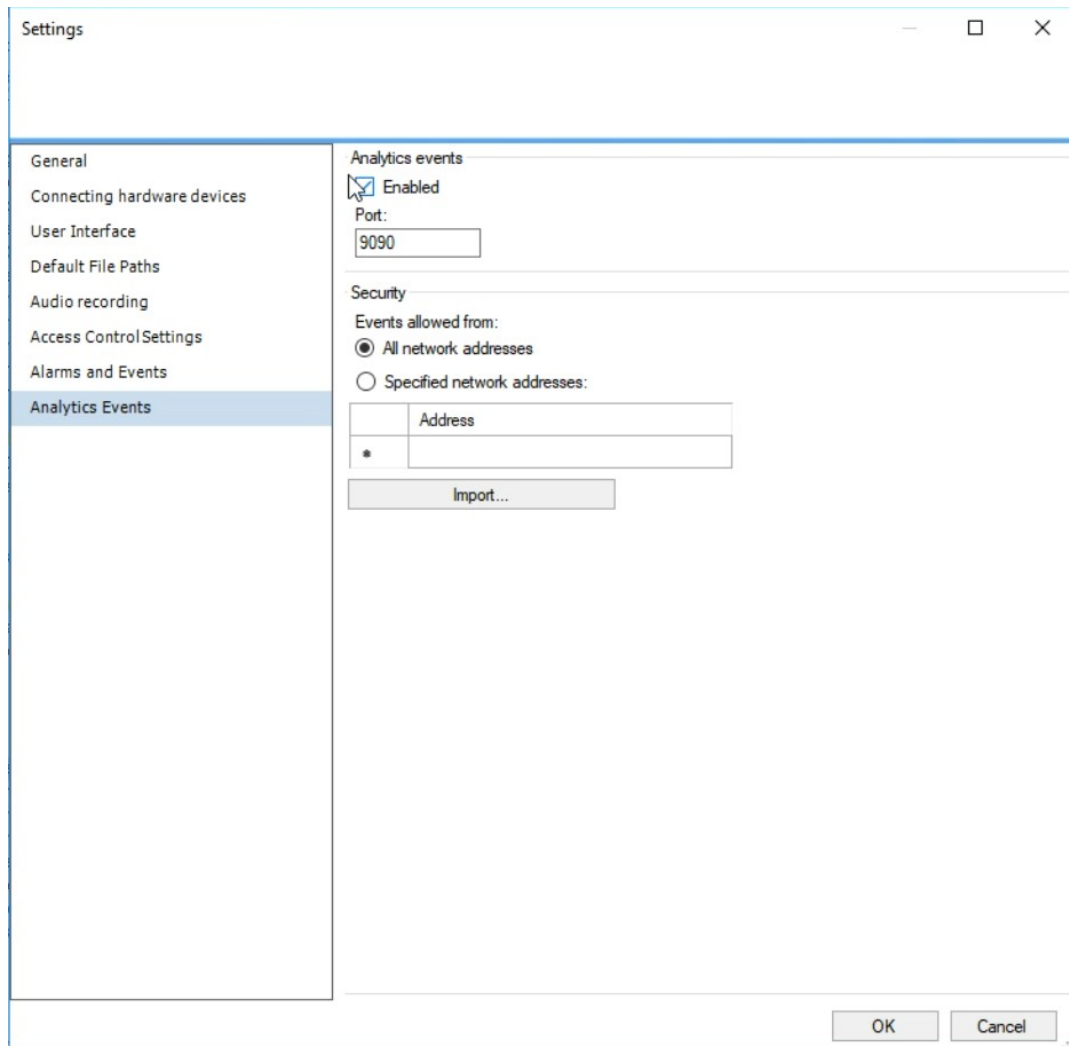


The rest of the field can be used if you want to configure some other actions like trigger an alarm using an external module or play a sound when trigger the alarm definition.

2.3 Enable the Analytics events

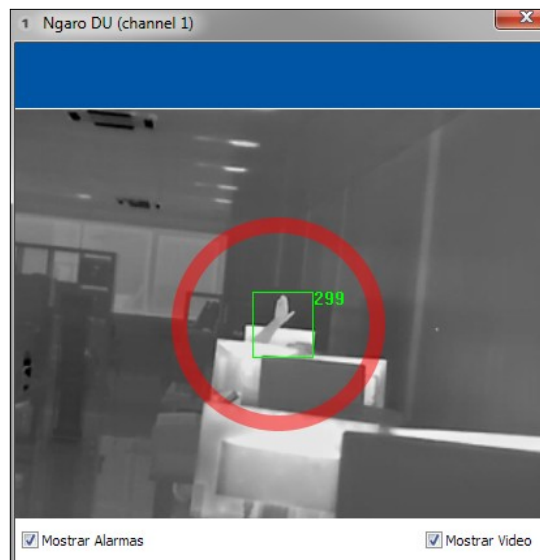
At last, is necessary to make enable the Milestone port to receive the alarms from the Ngaro analytics.

For that is necessary click on “*Options → Settings*” and now select “*Analytics Events*”. Now only check the box “*Enabled*” and leave the port 9090.



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

Ngaro DU (channel 1) 17/01/2019 10:07:06

Gestor de alarma

Ajustes

Después de las grabaciones.
CAMARA TERMICA 1
127.0.0.1:80

9:40 9:50 17/01/2019 10:07:39.355 10:30

Alarmas Nuevo (filtro aplicado) Borrar filtro 1-100

	Alarmas	Nuevo (filtro aplicado)	Borrar filtro					
Nuevo (6739)								
En curso (0)								
En espera (0)								
Cerrado (0)								
Videores								
Server								
Alarma	Hora	Nivel de prioridad	Nivel de estado	Nombre de estado	Mensaje	Fuente	Propietario	ID
	10:07:35 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 1		7454
	10:06:12 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 6		7453
	10:05:33 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 1		7452
	10:04:47 17/01/2019	1	1	Nuevo	Ngaro frontier	CAMARA TERMICA 32		7451
	10:04:42 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 32		7450
	10:03:49 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 1		7449
	10:03:13 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 32		7448
	10:02:59 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 6		7447
	10:02:12 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 32		7446
	9:58:02 17/01/2019	1	1	Nuevo	Ngaro presen	CAMARA TERMICA 1		7445
	9:57:59 17/01/2019	1	1	Nuevo	Ngaro frontier	CAMARA TERMICA 32		7444

7454 Ngaro presence - CAMARA TERMICA 1

CAMARA TERMICA 1 CAMARA TERMICA 1 - 17/01/2019 10:07:34.960

Cámara: CAMARA TERMICA 1 Ir a la hora de alarma

Instrucciones:

Asignado a:

Estado: 1: Nuevo

Prioridad: 1: Alto

Categoría:

ID: 7454

Fuente: CAMARA TERMICA 1

Alarma: Ngaro presence

Mensaje: Ngaro presence

Tipo: Ngaro Analytics

Regla: Definición de alarma

Ubicación:

Etiqueta: Alarm

Distribuidor: Ngaro Intelligent Solutions

Objeto:

Actividades:

Hora	Actividad	Propietario
10:07	Estado inicial: 1: Nuevo	
10:07	Prioridad inicial: 1: Alto	

Añadir

Annex I: complementary info

Below we include some links to Youtube with more visual info

How to configure: <https://youtu.be/wkwGNhEay4Q>

An integration example: <https://youtu.be/LyxkildxXfU>