



Sprinx CO.EXIST & Milestone XProtect

Integration of Events

User Guide

version 1.2

TABLE OF CONTENTS

TABLE OF CONTENTS	2
OVERVIEW AND INTRODUCTION	3
HOW TO CONFIGURE SPRINX CO.EXIST	4
HOW TO CONFIGURE MILESTONE XPROTECT MANAGEMENT CLIENT	5
ENABLE THE ANALYTICS EVENTS	5
CREATING THE ANALYTICS EVENTS	6
CREATING THE RULES	7

OVERVIEW AND INTRODUCTION

This guide describes how to configure and integrate alarms/events detected by Sprinx **co.exist** software with Milestone XProtect VMS.

With the Milestone Analytics Events feature, Sprinx **co.exist** platform can integrate with and hook into XProtect VMS and the XProtect event server.

When sending analytics events to the XProtect event server, Sprinx **co.exist** includes in the XML message the IP address of the camera (*<Source>*) and the description of the alarm/event (*<Message>*) which are used to match against the alarm definition created in the management client, and determines whether or not an alarm should be triggered.

Sprinx **co.exist** is a complete and professional server-based software platform based on the most modern and innovative Object Tracking and Deep Learning technologies. Thanks to Sprinx's consolidated experience in the development of behaviour analysis algorithms, **co.exist** allows to monitor indoor and outdoor areas by generating alarms and statistical data useful not only to ensure timely compliance with health and government directives on COVID-19 but also to provide tools to plan and manage, in both the public and private sectors, the return to "new normality".

Sprinx has developed the **co.exist** platform with the specific objective of allowing to implement, in an immediate way, control systems for compliance with social distance and vehicular mobility. The use of pre-existing CCTV systems allows to exploit and transform video surveillance cameras into multifunction sensors, capable of providing alarms in case of anomalous situations but also of monitoring the progress of individual behaviour always in compliance with the regulations in force in Privacy matters.

The following event detections are available:

- Social Distancing
- Crowded Areas
- Pedestrians
- Overspeed & Underspeed
- Unsafe Lane Change
- Vehicle Class Detection
- Stopped Vehicles
- Queue and Traffic Slowdown

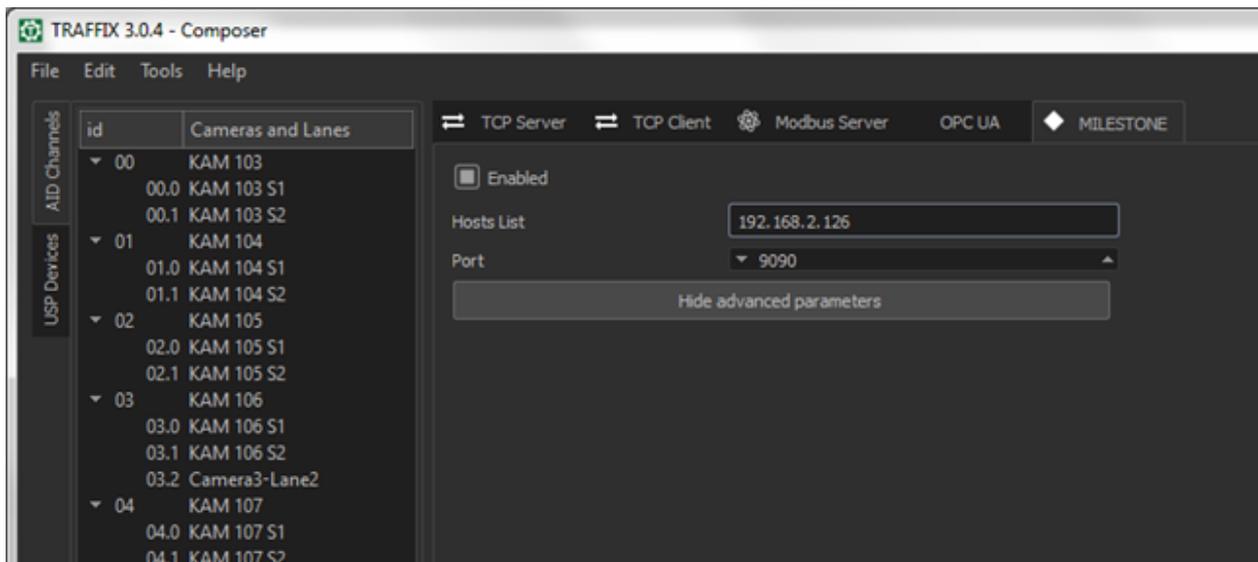
HOW TO CONFIGURE SPRINX CO.EXIST

Login to Sprinx COMPOSER and select in the toolbar: Edit → Output Components

Enable the communication with the Milestone XProtect server.

Enter the IP address of the Milestone server and the communication port (9090 by default).

A comma-separated list of Milestone servers is supported by the **co.exist** software.



NOTE: A specific software add-on is required to enable the communication between Sprinx co.exist platform and Milestone XProtect VMS. To use this feature the co.exist license must include that software add-on.

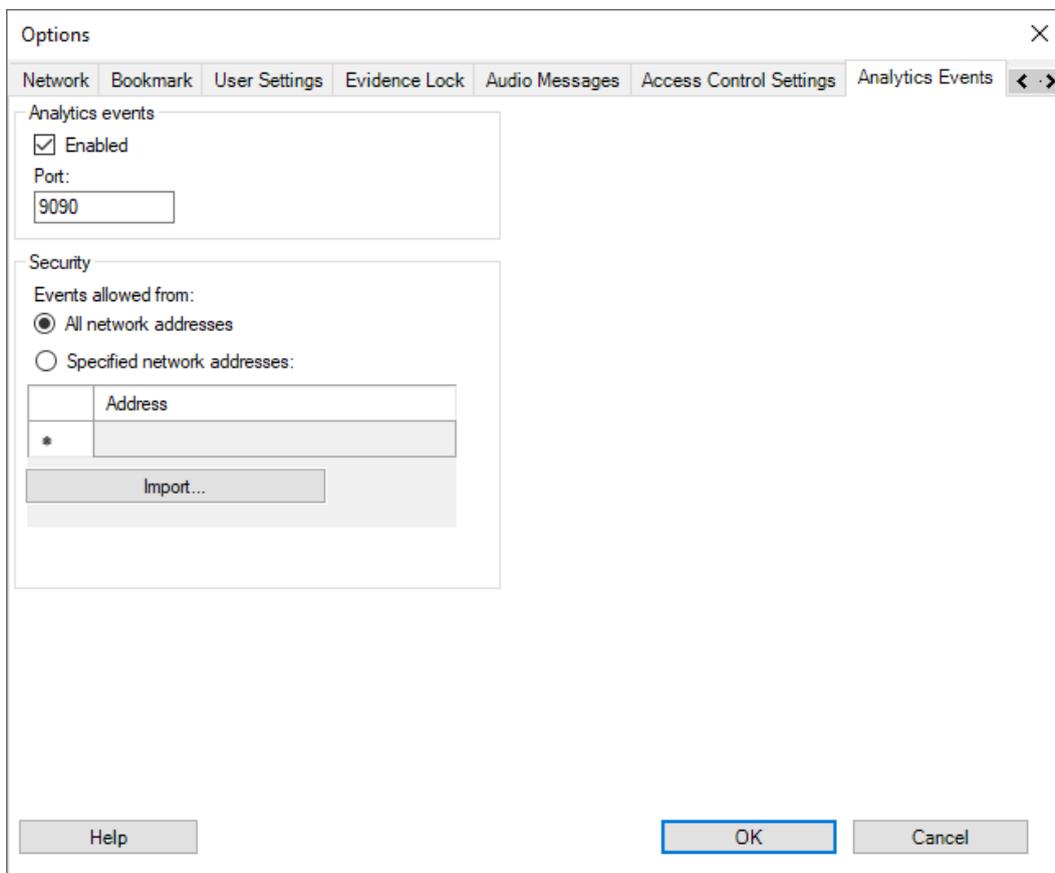
HOW TO CONFIGURE MILESTONE XPROTECT MANAGEMENT CLIENT

ENABLE THE ANALYTICS EVENTS

Login to XProtect Management Client and select in the toolbar: Tools → Options

Select the Analytics Events tab, enable the service and the listening port

A list of allowed addresses can be used to control who can send event data to the system.



NOTE: Use the same port configured in the co.exist software.

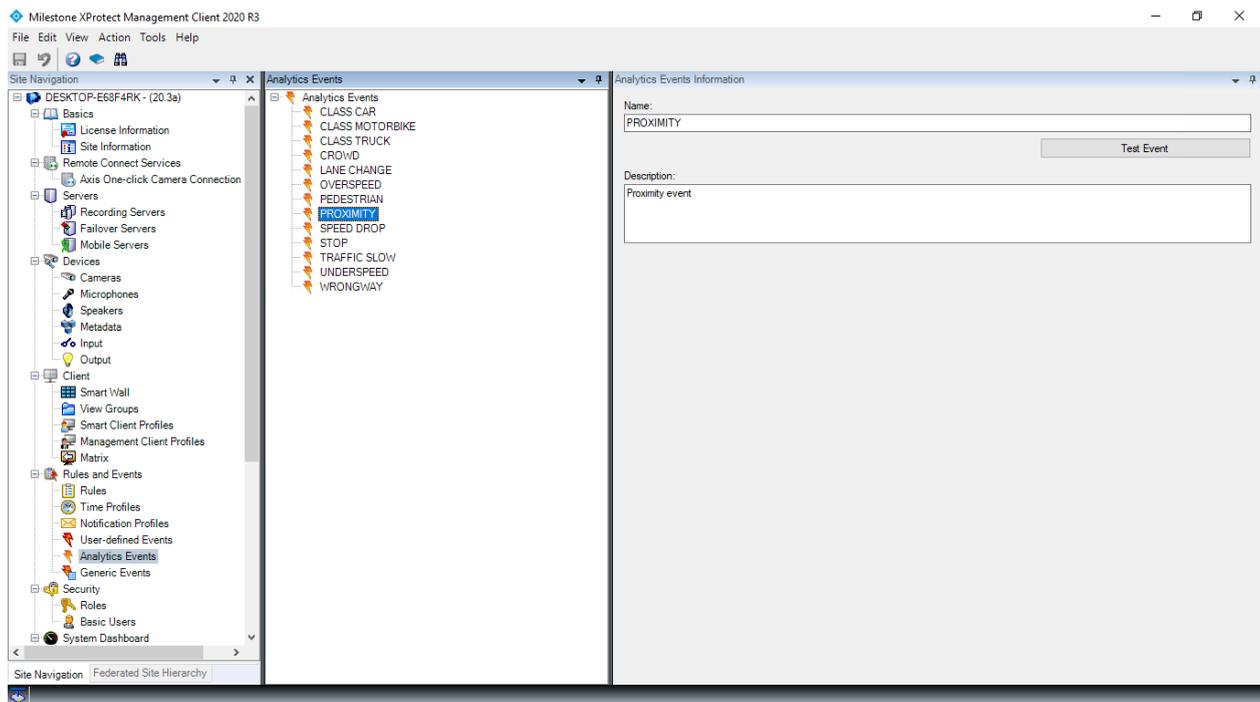
NOTE: Please refer to the XProtect Management Client documentation for more details.

CREATING THE ANALYTICS EVENTS

In the Navigation Tree select Analytics Events under Rules and Events.

Create one Analytics Event for each traffic event/alarm with the following Name:

- Social Distancing → PROXIMITY
- Crowded Areas → CROWD
- Pedestrian → PEDESTRIAN
- Overspeed → OVERSPEED
- Underspeed → UNDERSPEED
- Unsafe Lane Change → LANE CHANGE
- Vehicle Class Detection → CLASS MOTORBIKE or CLASS CAR or CLASS TRUCK
- Stopped Vehicle → STOP
- Queue → QUEUE
- Traffic Slowdown → TRAFFIC SLOW

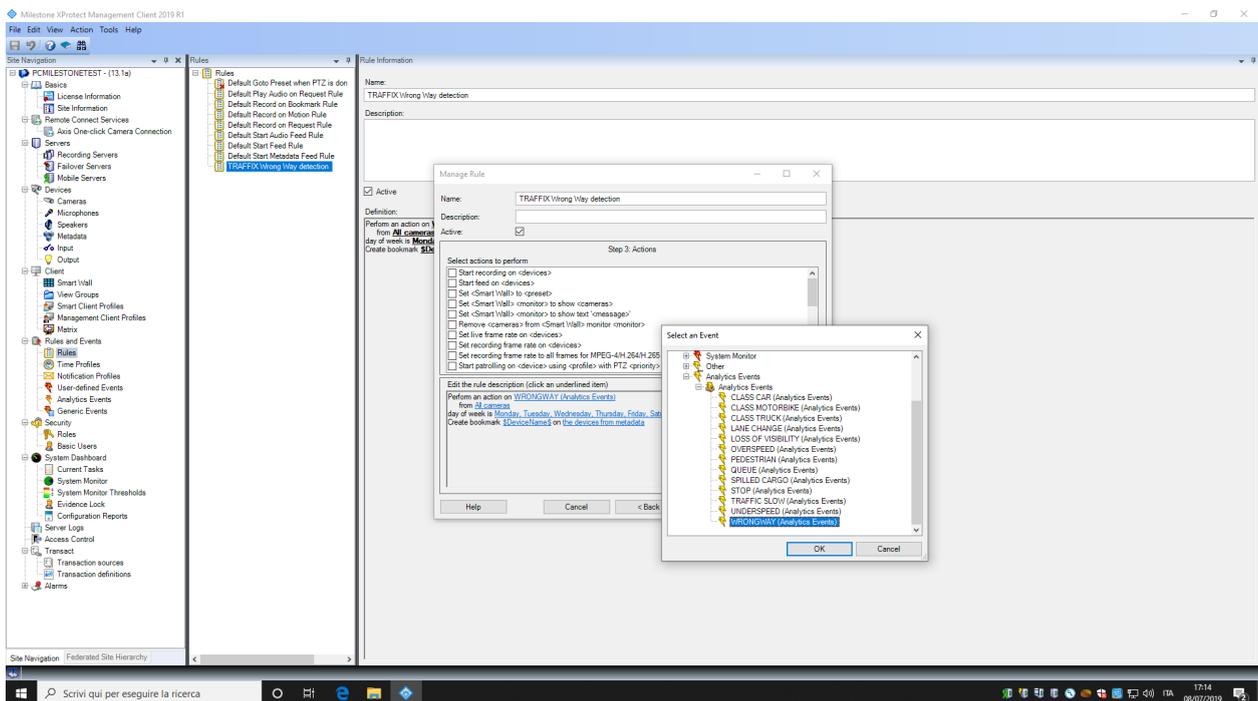


NOTE: Write the Name of the Analytics Event in capital letters.

CREATING THE RULES

Once all the Analytics Events are created, select Rules in the Navigation Tree and add the new rules. Right-click the Rules item → Add Rule. This opens the Manage Rule wizard. The wizard guides you through specifying the content of your rule.

Select **Perform an action on event** and now you can select the Analytics Event that triggers the rule.



NOTE: Please refer to the XProtect Management Client documentation for more details.