exacqVision Selea Integration Guide

Overview

Selea's CPS (Car Plate Server) LPR software can be integrated with exacq via the IP serial interface, (Serial Port and Serial Profile of exacqVision). The Selea CPS exacqVision integration works by receiving unencrypted, textual data from CPS. Keywords and Rules can be created to be used as triggers in Event Linking (exacq server functions) and Event Monitoring (exacq client functions) in exacqVision. Some of the actions that are available to trigger on the exacq system are:

Event Linking (exacq server functions)	**Event Monitoring** (exacq client functions)
None	Log
Record Video	Play Sound
Record Audio	Switch Video
Output Trigger	Digital Preset
Notify (email)	
Auto Export	
PTZ Preset	

Purpose

The purpose of this document is to provide guidance for integrating Selea's CPS LPR system with exacqVision via the IP serial data interface. The data that CPS transmits to exacqVision must be clear text, i.e. unencrypted ASCII data.

NOTE: This guide is not intended to provide instruction for the installation and configuration Selea's CPS system outside the scope of configuring it to work with exacqVision.
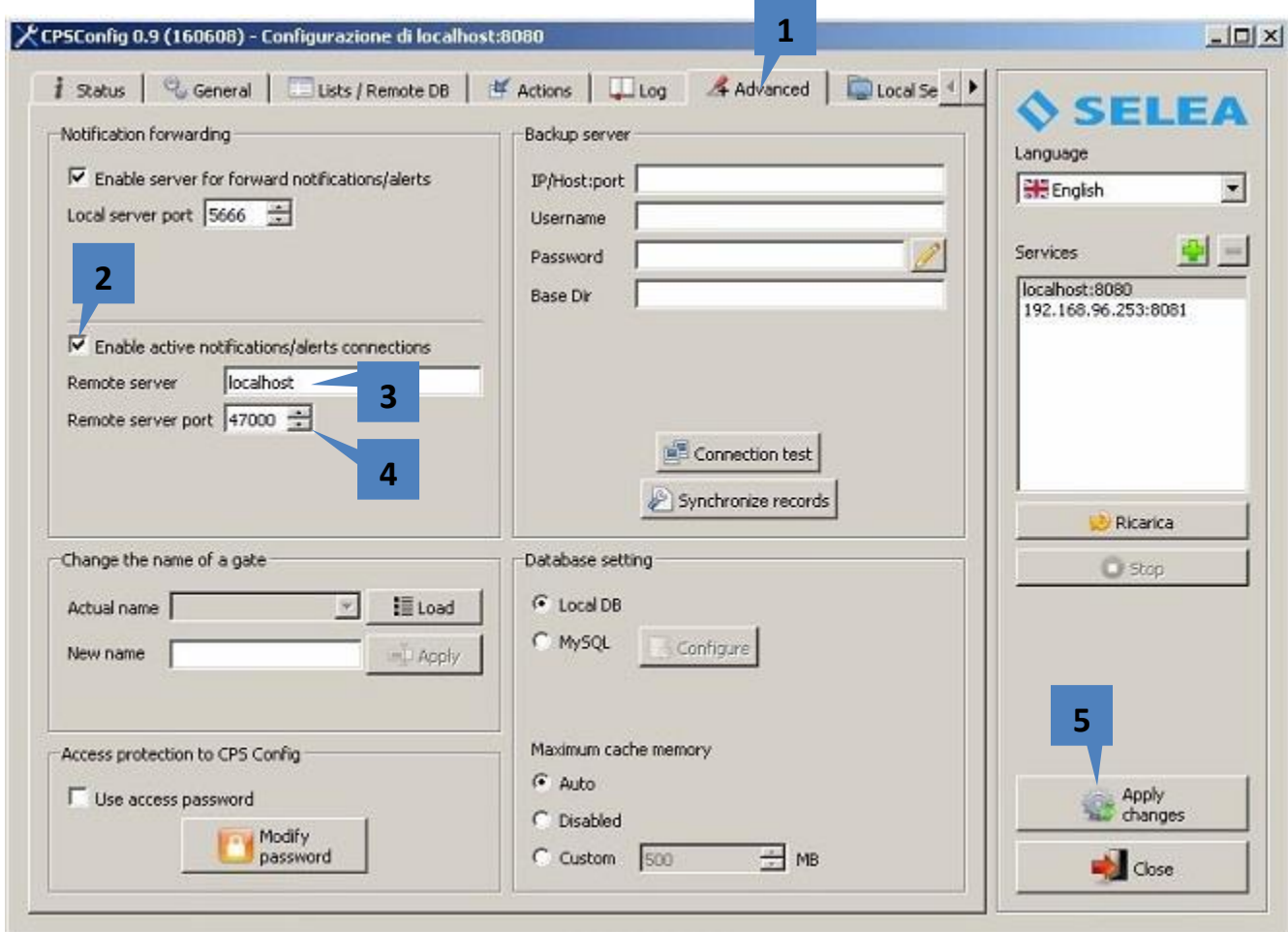
Requirements

exacqVision Server version: 7.6
exacqVision Client version: 7.6
exacqVision license: Start, Professional or Enterprise

Assumptions

exacqVision Client has been connected to the exacqVision server that will be integrated with Selea CPS

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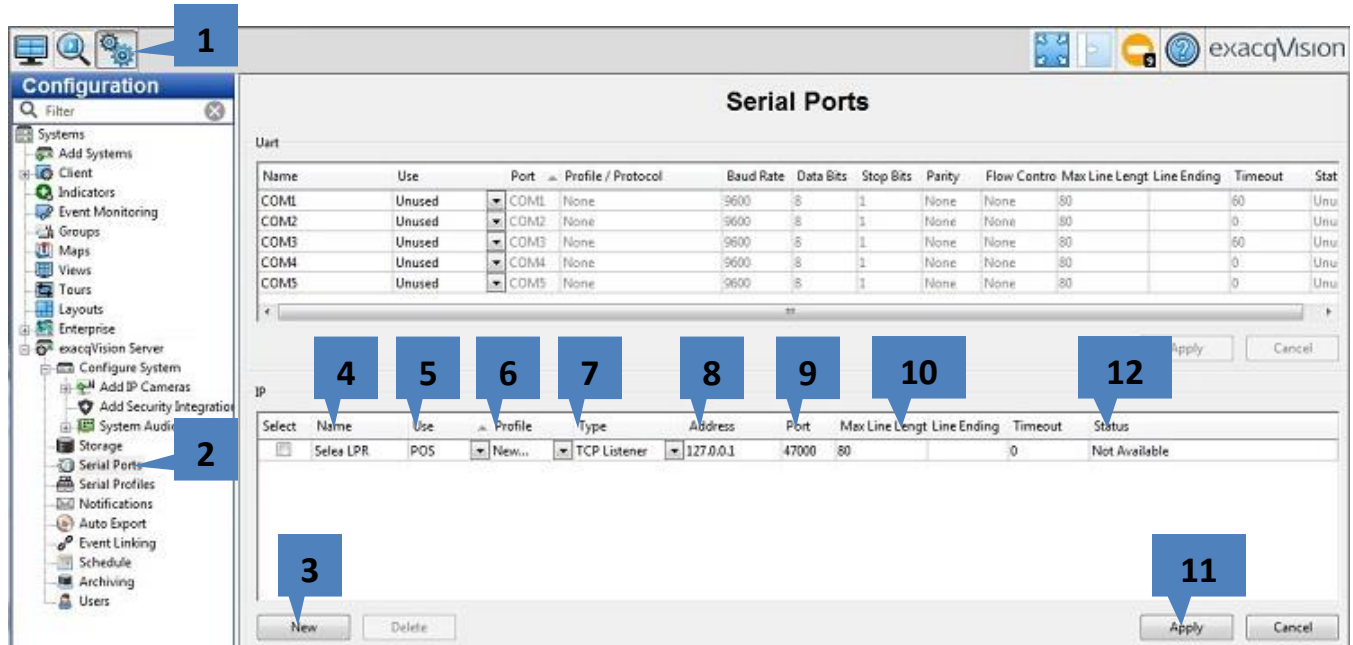
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Selea Configuration

Open the CPSConfig utility and perform the following steps:

1. Click Advanced tab
2. Check to enable notifications/alerts from CPS
3. Enter IP address of exacqVision server (In this example exacqVision server was running the same machine as CPS)
4. Enter an unused port value, (a port value that's free on this system, not being used by another application)
5. Click Apply Changes

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exacqVision Configuration
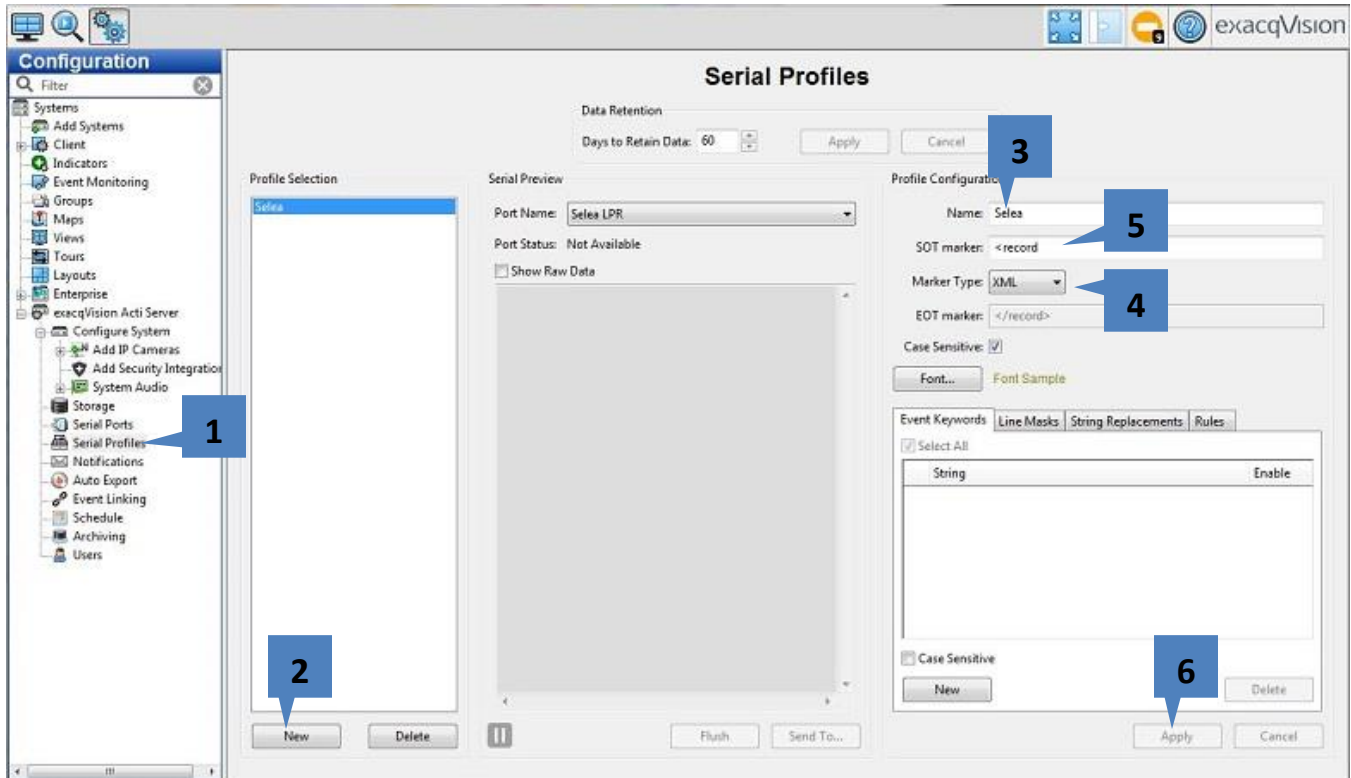
Serial Port Configuration

Launch exacqVision Client

1. Click Config(Setup) Page
2. Select Serial Ports
3. Click New
4. Enter Name for Serial Port
5. Select POS for Use. (This has no effect on functionality, it just changes the icon in Live View for serial port)
6. Select "New" for Profile, if you haven't yet created a Serial Profile for this integration
7. Select "TCP Listener"
8. Enter IP address of CPS system (CPS and exacq were installed on the same system for this example)
9. Enter port that you used in Step 4 of Selea Configuration
10. Leave the next three fields in their default states:
    a. Max Line Length - 80 (default)
    b. Line Ending - <blank> (default)
    c. Timeout - 0 (default)
11. Click Apply
12. Status may remain "Not Available" Do not be alarmed this will change to "Connected" as soon as the CPS system sends the first set of data.

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Serial Profile Configuration

1. Select Serial Profile
2. Click New
3. Enter Name
4. Select "XML" for Marker Type
5. Enter "<record>" in SOT field
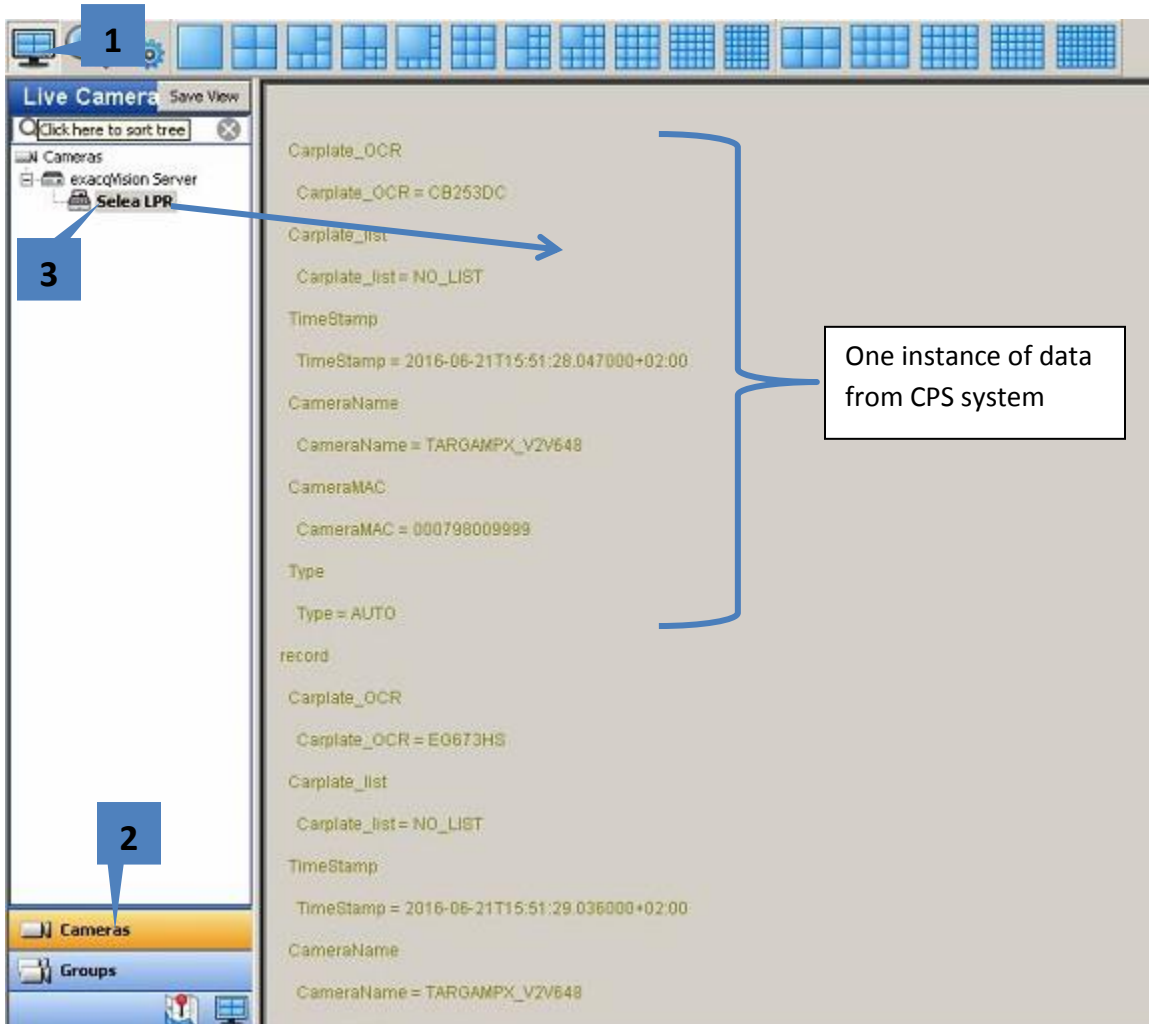6. Click Apply **NOTE**: The ">" will be removed from your entry of "<record>" in the SOT field. This is OK.

Expected Data from CPS system

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Live View

One instance of data from CPS system

1. Click on Live View
2. Select Cameras
3. Click and drag the "Selea LPR" Serial Port into the video window pane. **NOTE:** This is a video overlay. If video was playing in this window pane, the data would appear over the video.

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