



**User Manual**  
**Weight Station**  
**to**  
**Milestone VMS Integration**

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## ***Overview***

This User manual is intended to be used as a reference. This manual covers all of the components used in the C2P Weigh Station integration with Milestone. A large portion of this manual covers the configuration of Milestone components as well as the C2P components.

The C2P portion of this integration can be installed in minutes and in many cases will work as shipped without any configuration needed. This manual serves as a reference for applications that go beyond a basic install of the C2P WEIGH STATION to Milestone integration.

## ***Introduction***

ConvergenceTP (C2P) is the market leader in bringing text and alert information from virtually any TCP/IP enabled appliance or sensor into the users Milestone Video Management System (VMS). Video surveillance is a powerful tool for security professionals, but the true benefits of video surveillance can only be realized when users have access to the data (all the data) from every TCP/IP enabled device in the customer enterprise. This Internet of Things (IoT) concept is the basis for the C2P middleware that connects the users VMS to their TCP/IP enabled devices.

The value for the user when their IP appliance and sensor data is captured and stored time synchronized with the video in the video surveillance system is they now have a way to index video in their surveillance system. With the C2P Hypermedia Search Engine (HSE) users can search on text received from a Point of sale terminal, License plate reader, Access control reader, Bar code reader, RFID sensor, etc. and then watch video of that specific event as it happened. Having the data time synchronized with the surveillance video means users can then bring up a view from any camera in their video surveillance enterprise and follow the person or object of interest as it moves out of view of one camera and into view of another.

Users can also setup the easy to use C2P real-time Rules Engine which allows them to flag specific events for immediate viewing, or push user defined procedures for that specific event to the VMS operator's screen. The Rules engine also allows the user to push generic events to the VMS system to synchronize, annotate and bookmark the detected event within the VMS event database.

## Critical features include:

- *WEIGH STATION text captured by C2P is time synchronized with any and all video cameras attached to the Milestone VMS.*
- *WEIGH STATION text can be viewed in real-time from any Milestone Smart Client.*
- *All WEIGH STATION text received is stored and therefore available for future back office forensics searches.*
- *C2P provides an intuitive and powerful Hypermedia Search Engine (HSE) for use in researching specific events.*
- *HSE search results provide the full text of the events that are linked to the actual Milestone stored video of the event.*
- *C2P provides many real-time analytic tools that users can setup to trigger on specific events of interest.*

The screenshot displays the Milestone XProtect Smart Client interface. The main window is titled "Hypermedia Search™". The search criteria are set to "Search Type: iWeigh". The search results are displayed in a table with the following columns: View Event, Date, Total Amount, Docket Number, Account Name, and Waste Type1.

View Event	Date	Total Amount	Docket Number	Account Name	Waste Type1
<a href="#">Show Cameras</a> <a href="#">Expand</a>	20:21:01 1/28/2019	10	40006101	ABBIE LANE	GREEN WASTE (DOM)
<a href="#">Show Cameras</a> <a href="#">Expand</a>	20:20:51 1/28/2019	1000	40006103	Omara Road	RECYCLABLES (DOM)
<a href="#">Show Cameras</a> <a href="#">Expand</a>	20:20:41 1/28/2019	28	40006102	WASHINGTON HEIGHTS	RECYCLABLES (DOM)
<a href="#">Show Cameras</a>	20:20:31	10	40006101	ABBIE LANE	GREEN WASTE

Below the table, there is a video playback area showing a truck on a scale. The video title is "CTP Camera2 - 1/28/2019 8:20:50.379 PM". The video content shows a white truck with a green waste container on a scale. The video is currently playing at 8:20:51.000 PM.

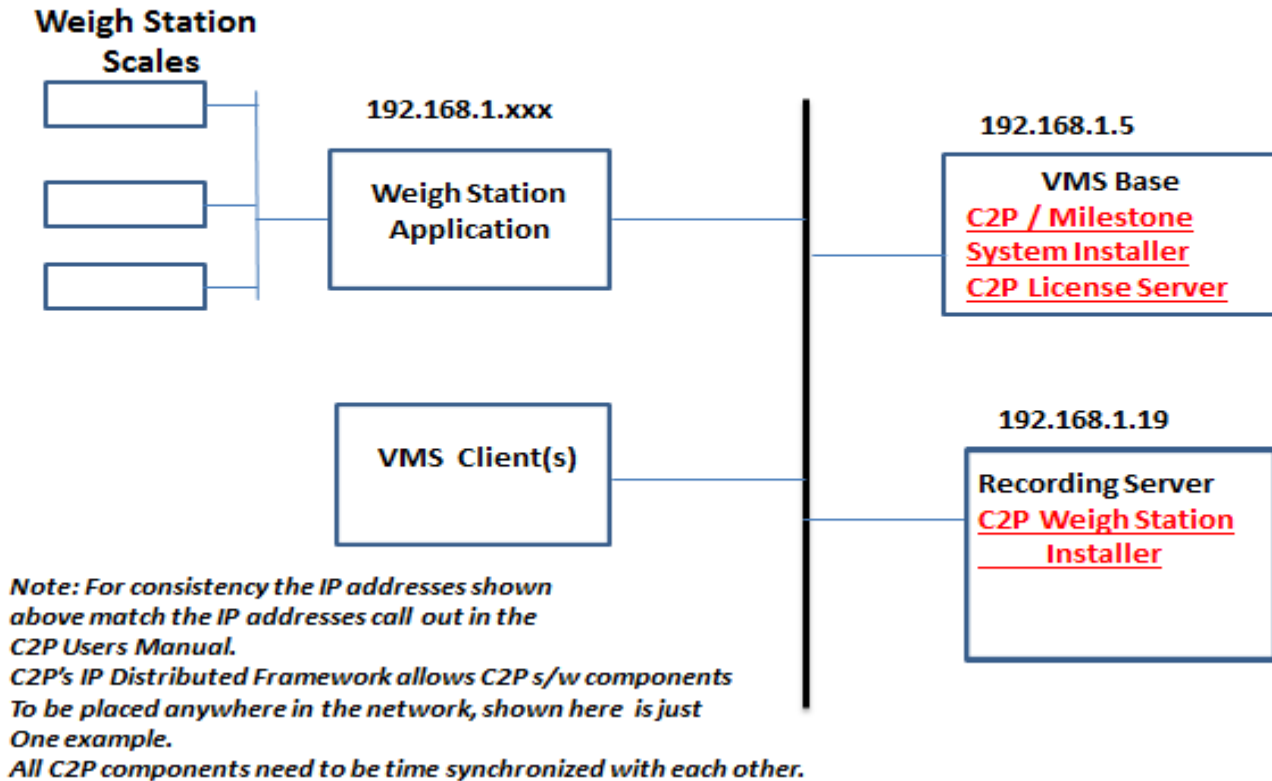
Additional information displayed on the right side of the interface includes:

- Site: Omara Road - SLIPLANE
- RECYCLABLES(DOM)
- MIXED DOMESTIC (KERBSIDE COLLECTION)
- CLEAN FILL(DOM)
- GREEN WASTE(DOM)
- HAZARDOUS(DOM)
- Procedure - 1/28/2019 8:20:50.935 PM
- Waste Type Contains: RECYCLABLES

## Installation

For new installations you will need both the C2P Weigh Station driver installer as well as the C2P Milestone System Installer. Shown below is the weigh station installer software being installed onto the recording server, but the C2P distributed Framework allows the software components to be placed anywhere in the network. Note: included in the C2P / Milestone System installer is the HSE, HSE Proxy, ESE and License server.

### Typical C2P Weigh Station Deployment



Included in the Weigh Station installer is the Weigh Station driver and the ESE.

Figure 1

Figure depicts a typical C2P WEIGH STATION deployment topology.

#### Note:

For evaluation and demo applications all of the components listed above can be installed on the same system. Without any further configuration required.

## Pre-install requirements

The PC/server used to host any of the C2P Base components needs to have i7 class processor min.<sup>1</sup> Microsoft Windows® operating system Windows 7 minimum.  
The machine to be used for the install needs to be relatively current with Windows Updates.  
Ensure that the PCs/servers used to host the ESE and HSE are time synchronized with the VMS.  
During the install temporarily disable any antivirus SW and drop the local firewall.  
Milestone Smart Client installed on the PC/Server hosting the C2P WEIGH STATION Proxy software.  
Internet Explorer 9 or above installed on any PC hosting Smart Client workstations  
At least 1 Universal Camera license from Milestone is needed.  
Defaults to 30 day demo on initial install.  
Ability to temporarily set UAC to off while doing the install.  
Valid Smart Client login credentials Basic or Windows.  
Administrator account for use when installing CTP software  
The machine hosting the HSE needs to only host the copy of Apache and MySQL installed by C2P.  
No other copies of Apache or MySQL can be installed on the same machine that is hosting the C2P HSE.

## Installation Process

### C2P Base

Note: Installing C2P Base for the first time may require a restart of the machine after the install completes.

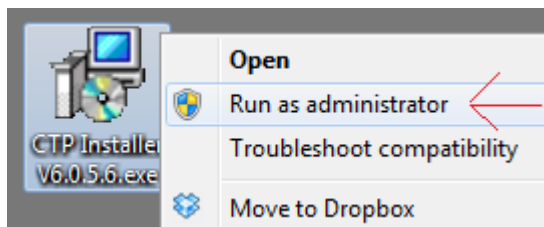
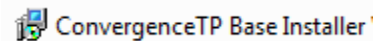
The C2P Base software installs all of the components needed for the C2P Base system.

These components include:

- The C2P Event Streaming Engine (ESE)
- The C2P Hypermedia Search Engine (HSE)
- The C2P Hypermedia Search Engine Proxy (HSE Proxy)
- The C2P License Server

### Installing the C2P Base

1) Execute the C2P Base installer. "Run as administrator"

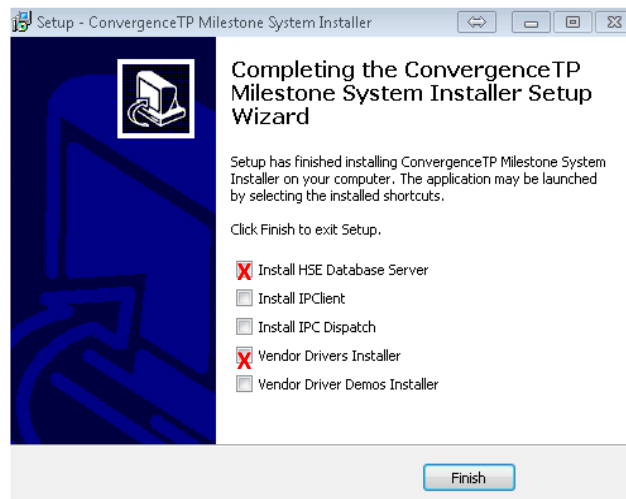


<sup>1</sup> The system requirements are the minimum of what will be required for satisfactory performance; your particular needs may differ or exceed the minimum requirements listed. Your specific needs will be dependent on several factors including number of IP appliances connected, number of users, the type of connected devices and the level of usage per device.

- 2) Follow the default selections during the C2P Base install
- 3) Select the features being installed. See: C2P HSE Database Server component selection menu. See Figure 1 above for a definition of where each component is to be installed.

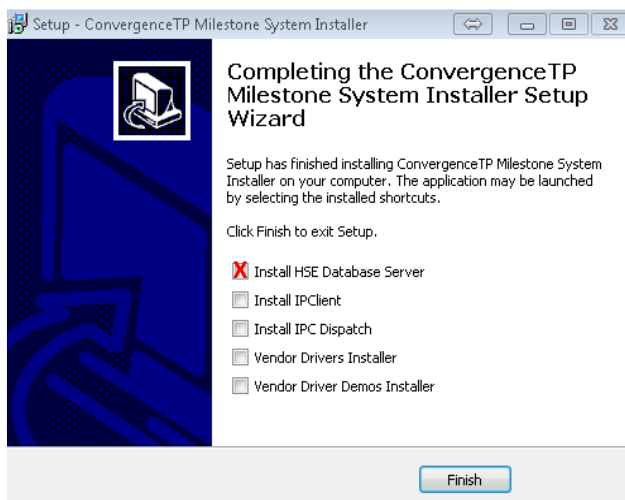
**Note1:** You will need to run the C2P Milestone System installer on both the PC/server hosting the Milestone Base and the PC/Server hosting the recording server(s). Once the C2P base installer is run you can then select which component you want to install.

**Note 2:** For example as shown in Figure 1 the HSE database is installed on the same machine as the Milestone base = 192.168.1.5. Installing the CTP s/w components on the same machine will use the diagram below showing the two checked boxes.

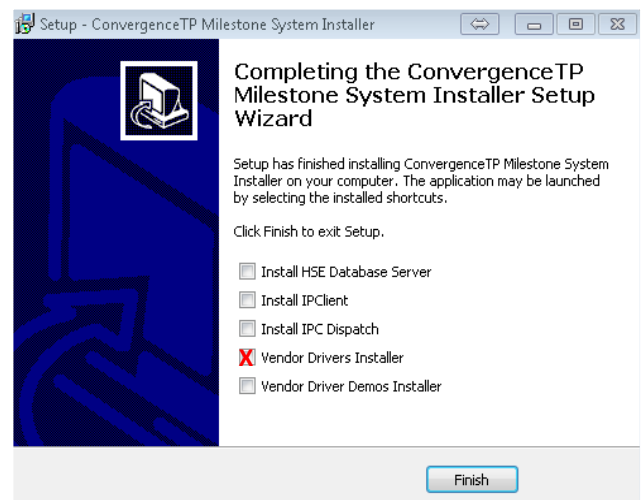


**Note3:** Installing the components on two different machines will use the diagram below showing one checked box on the server where the HSE Database is installed and one checked box where the Weigh Station driver is installed.

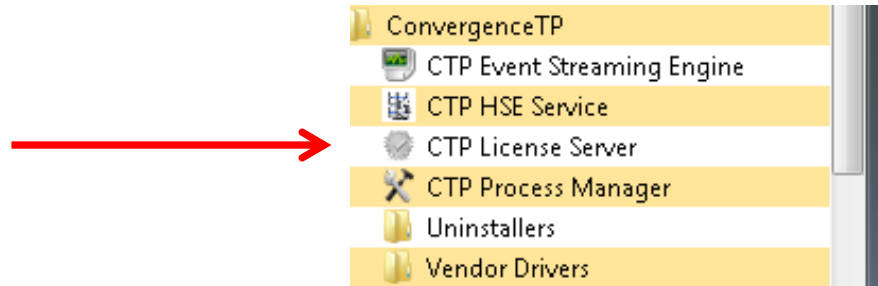
**Milestone Base**



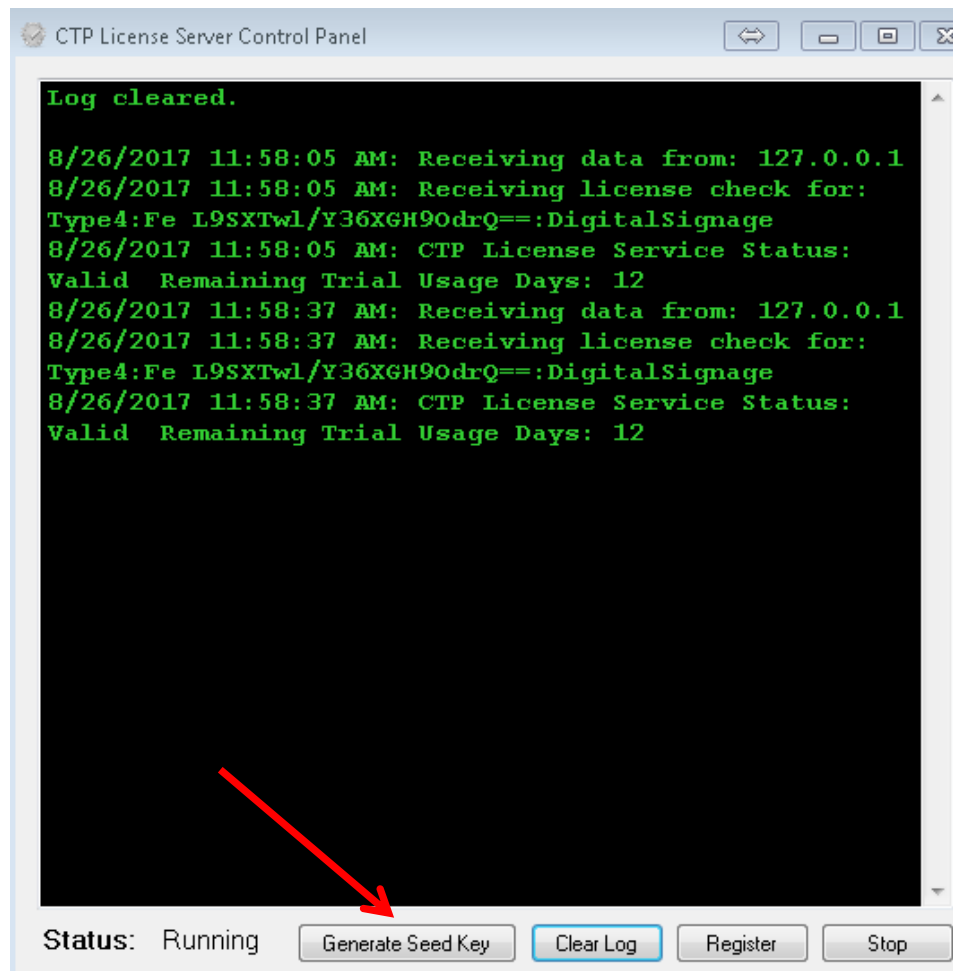
**Recording Server ( Weigh Station driver)**



To access the C2P License Server use the Start Menu and select >Programs > ConvergenceTP >

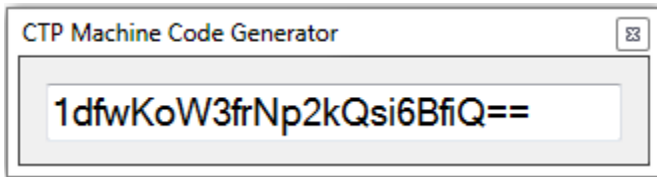


The License Server control panel will come up and you will select Generate Seed Key





**Note2:** The “Machine code generator” is only run on the Milestone Base PC/Server. The resultant seed code produced when the Machine code generator is run should then be cut and pasted into an email and sent to Sales@c2p.com.

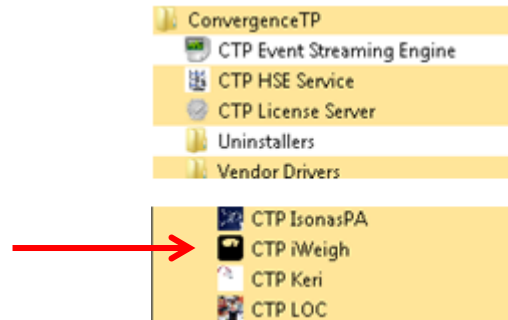


**Note:** Cut-n-paste the above seed text above into an email. Do not send a screenshot of the text.

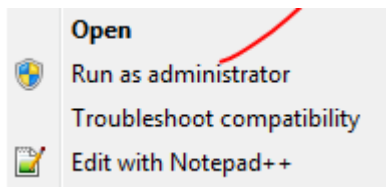
*Sample C2P Machine code generator output. Email to sales @c2p.com*

## Installing the C2P WEIGH STATION Proxy

- 1) To access the C2P Weigh Station Driver (use the Start Menu and select >Programs > ConvergenceTP > Vendor Drivers > CTP iWeigh



- 2) >Execute the CTP WEIGH STATION installer. "Run as administrator"

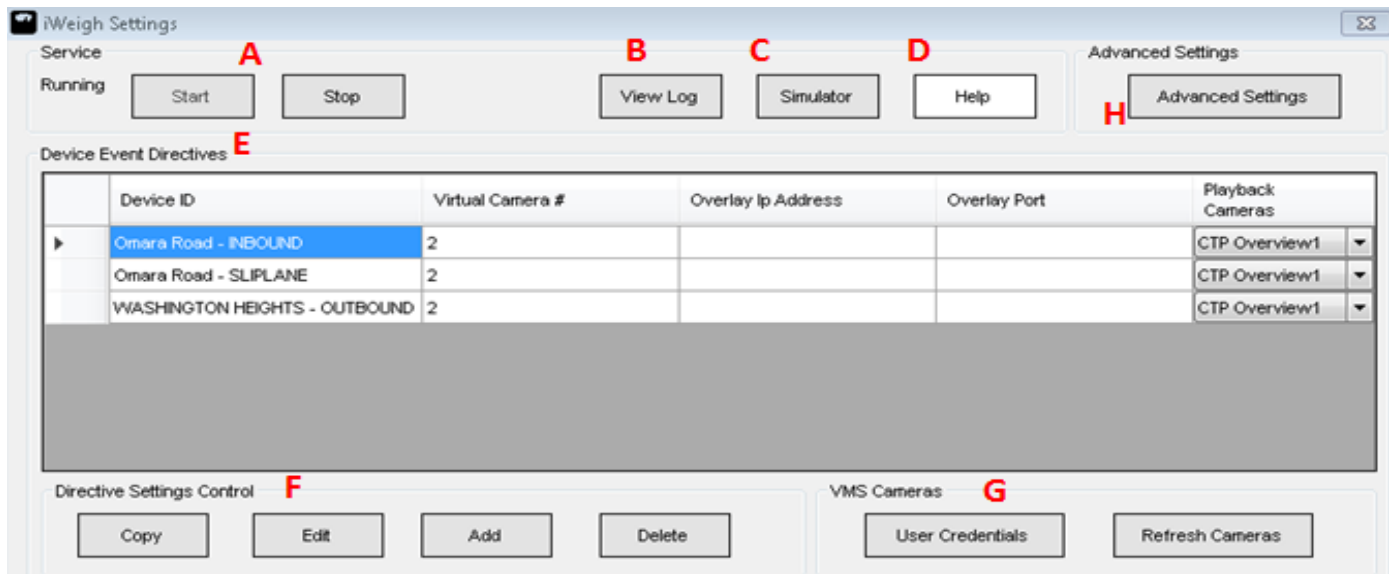


- 3) Follow the default selections

## Configuration

If the C2P WEIGH STATION Installer and the C2P Base are installed on the same PC/Server then no configuration is needed to run the C2P WEIGH STATION to Milestone VMS integration. This works out nice for setting up demo systems but is not how the system is deployed in practice. Refer to [Figure 1](#) for the expected deployment topology. The Weigh Station controller needs to be setup as well, see Appendix D for Weigh Station setting.

Below is the C2P WEIGH STATION Installer configuration GUI for demo purposes. (Virtual cameras are all set for Virtual camera #2, not a typical deployment, see sample GUI configuration in Appendix D).



### C2P WEIGH STATION Proxy configuration GUI

**A** = WEIGH STATION Service manual Stop and Start controls. When changes are made to the WEIGH STATION proxy GUI they can manually be loaded into the WEIGH STATION proxy service by manually stopping and then re-starting the Service or alternatively the user is prompted to have the service restarted automatically when the GUI is closed.

**B** = View Log. This is an extremely useful real-time **log file** because it tells the user if the WEIGH STATION Proxy is connected to the WEIGH STATION application. This log file is the first place to look before testing anything else related to the C2P WEIGH STATION integration. See also [Appendix A: Sample C2P WEIGH STATION proxy log files](#)

**C** = C2P WEIGH STATION Simulator. The C2P WEIGH STATION simulator is another very powerful resource for bringing up new installations. The C2P WEIGH STATION simulator works in parallel with any Weigh Station data being sent by the WEIGH STATION system. This allows all of the components of the C2P WEIGH STATION integration to be completely tested prior to the WEIGH STATION system running or even installed. Installers can run the simulator and ensure all of the integration components are functional and then turn on or install the WEIGH STATION system.

**Note:** Data from the C2P WEIGH STATION Simulator DOES get reported in the log file described in item B above.

**D** = Help button. Explains how to use the F1 key in the GUI to get help text for each item in the GUI.

**E** = Device Event Directives. This table is used to assign properties to each unique Weigh Station device name received from THE WEIGH STATION DEVICE. These properties are used by both the C2P WEIGH STATION DEVICE proxy and the C2P Hypermedia Search Engine (HSE) during playback of event events.

The “Virtual camera” property defines which generic camera in the recording server will be used to display live exceptions defined in the Rules engine portion of the C2P WEIGH STATION DEVICE proxy.

The “Overlay address and Port” are optional fields that allow the user to send a copy of the Weigh Station text received to the overlay data port of external overview camera of the Weigh Station event.

The “Playback Cameras” are the cameras that will be called up for viewing as a result of the user selecting “Show Cameras” in the Hypermedia Search Engine (HSE). This powerful feature further ties the relevant cameras to the weigh station captured event, giving the user overview video of the event at the time the text was received.

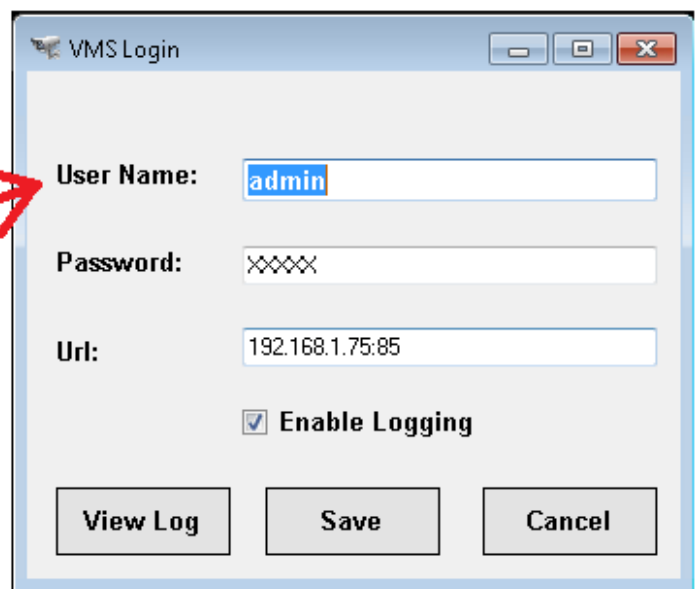
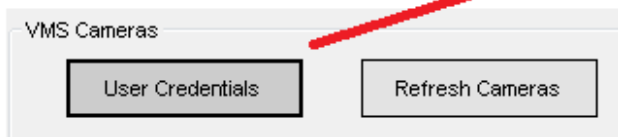
**F** = Directives Setting Control. These are the controls used to add new entries to the Device Event Directives table as well as allow the user to edit existing entries in the table. See Appendix D for a sample configuration.

**G** = Milestone Smart Client. The Smart Client controls are used to provide the C2P WEIGH STATION DEVICE proxy with valid Milestone client login credentials. The C2P WEIGH STATION proxy uses this login to receive the valid camera names that are assigned to these login credentials. The camera names are then available to the user for use in “Playback Cameras” portion of the Device Event Directives table.

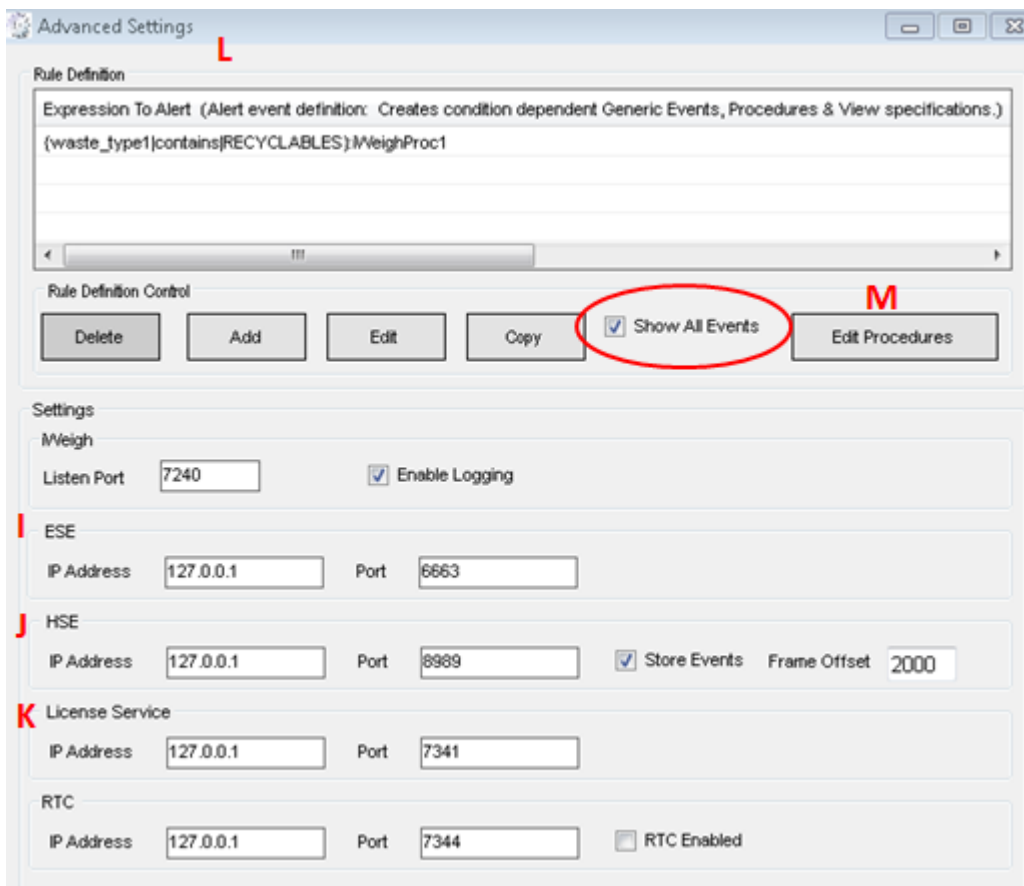
In the expanded view of the VMS Cameras GUI below you can also see that there is a **log file** associated with this function. The log file works extremely well and will give you the detail of why your credentials did or didn’t work. If the credentials entered in the GUI are valid then the log file gives you a list of cameras that those credentials allow you to view.

The VMS Cameras button is shown below.

**Note:** Url = IP address and port for Milestone Base



**H** = Advanced Setting.



**I** = Event Streaming Engine (ESE). The ESE is normally installed on a recording server associated the WEIGH STATION video. See also [Figure 1](#)

**J** = Hypermedia Search Engine (HSE). The HSE is normally located on the server hosting Milestone Base.

**K** = License Server. The C2P License Server is normally located on the server hosting Milestone Base.

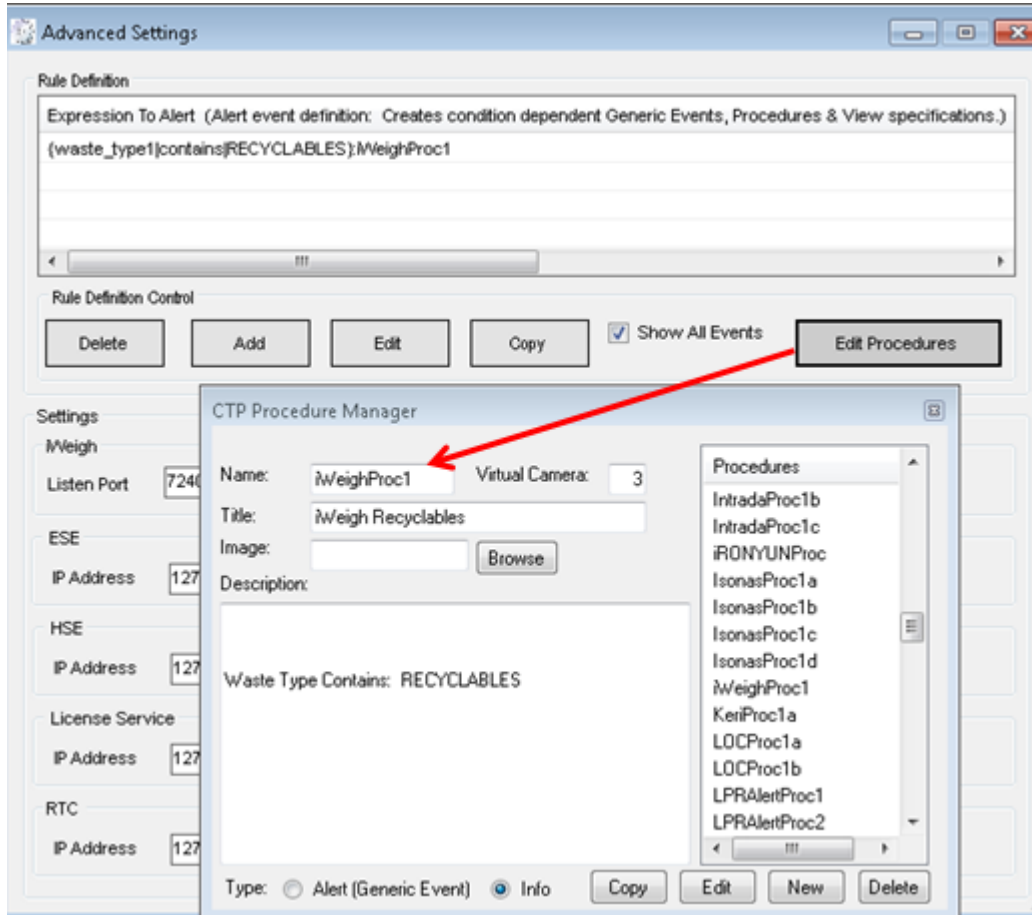
**L** = Rule Definition. The Rules Engine is where users can specify unique Weigh Station data to trigger live events in the Smart Client as well as generate “Generic Events” to Milestone Base. When the “Show All Events” check box directly under the Rules Definition list box is not checked then ONLY the events defined in the Rule Definition list will be shown as live events in the Smart Client. This is done to limit the amount of Weigh Station event traffic sent to the Milestone client to allow the user to see just the critical events happening live. If this is not done the amount of Weigh Station event data being sent by the C2P/ WEIGH STATION Virtual cameras can make it nearly impossible to see specific events of interest.

All data received from the system is stored for future viewing in the Hypermedia database so no events are ever lost. The “Show All Events” checkbox has no effect on what is being stored in the Hypermedia database. See also [Appendix B \(C2P WEIGH STATION GUI Rules Engine\)](#)

**M** = Edit Procedure. This feature allows the user to create their own text annotation that is displayed as a camera view in the Milestone client in real-time as the Weigh Station detection event is triggered by the Rules Engine. The procedure can also be setup to generate a Generic Event to the Milestone System if the procedure “Type” is set to “Alert”. The Generic Event sent to Milestone will use the “Name” of the procedure as the Generic Event text.

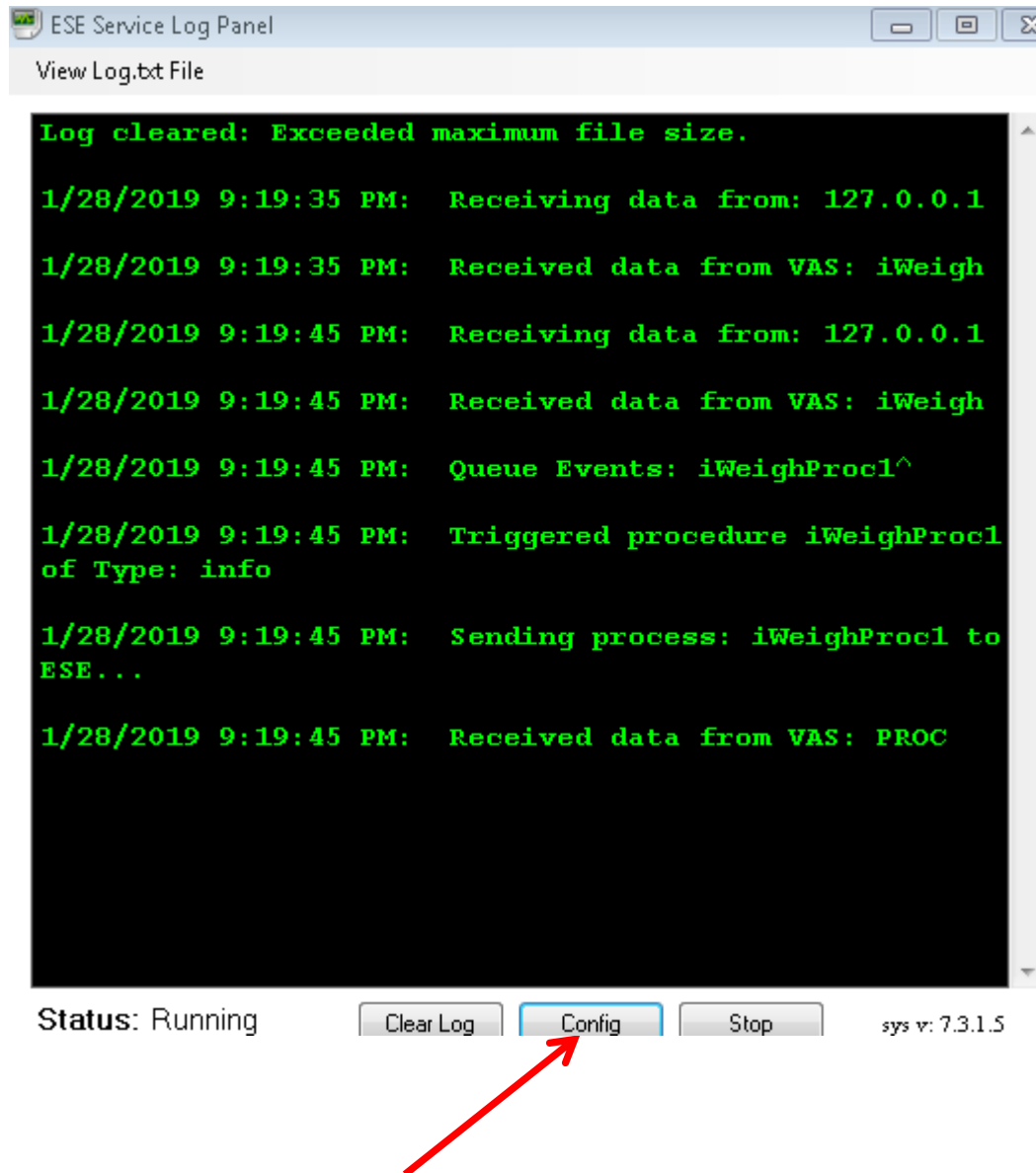
In the example below the Generic Event sent to Milestone when the Weigh Station transaction event occurs will be "iWeighProc1" as specified in the "Name" field of the Procedure.

**Note:** Anytime a procedure is edited or created you must select "Yes" when prompted while closing the procedure manager to allow the ESE to be restarted. The ESE reads in the procedures on a re-start.



## C2P Event Streaming Engine (ESE) GUI

The ESE Control Panel/Log file provides real-time feedback as to what the C2P Proxy is sending the VMS as live Weigh Station transactions are being sent as text images to be displayed in the Smart Client. (Including procedures)



The "Config" button on the bottom of the ESE control panel brings up some configuration settings for the ESE.

For non-demo installations the one setting that will likely need to change is the Generic Event IP address.

Configure Event Streaming Engine

Help

Settings

Proxy Port 1: 6662  Enable Proxy 1 Port

Proxy Port 2: 6663  Enable Proxy 2 Port

Back Office Port: 6661  Enable Back Office Port

Digital Signage Port: 7346  Enable Digital Signage Port

Graph Port: 7348  Enable Graph Port

Screen Capture Port: 7345  Enable Screen Capture Port

RTC Port: 7347  Enable RTC Port

Procedure Port: 6664  Enable Procedure Port

Dwell Time: 8  Include Http Header

Max View Ports: 25

Fps: 2

VMS

Camera Settings

Type: get Port: 89

Generic Events

Enabled IP Address: 127.0.0.1 Port: 1234

Procedure Manager

HSE IP Adr: 127.0.0.1 Port: 8989

Alert Virtual Camera

Enabled Alert Image: 5 Alert Procedure: 4

IPC Dispatcher Alert Video Pop Ups

IP Address: Port: 7213

Virtual Camera Image Defaults

Log Messaging

Enable Logging  Enable Proxy Comm Logging

Enable Camera Logs  Enable Canvas Logs

Screen Overlay Canvas Settings

Camera Elapsed Time Allowance: 5

Template Attributes

Text Color: Default  Include LPR Images

Settings



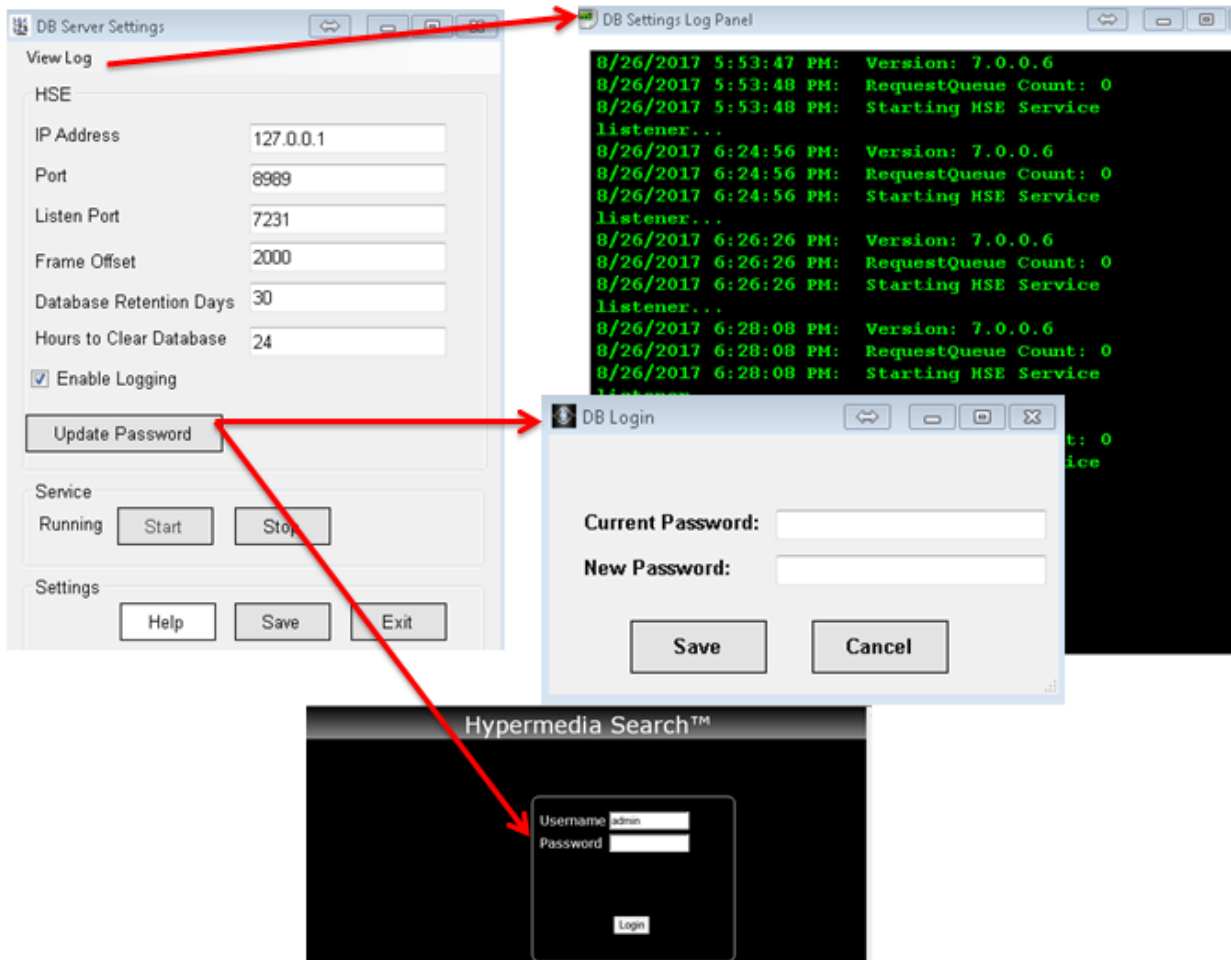
## C2P HSE Proxy GUI

The HSE Proxy GUI contains the configuration needed for the C2P WEIGH STATION Proxy to send Weigh Station transactional data to the C2P Hypermedia Search Engine (HSE).

In most cases the user never needs to open the HSE Proxy GUI as all of the defaults work as installed as long as the HSE Proxy is installed on the same machine as the HSE = normal case.

Reasons to use this GUI would be

- 1) If the user wanted to change the default Password used by the HSE click on the Update Password button.



- 2) If the user wanted to change the HSE database retention time from the default 30 days, enter the new time period.

**Note:** Hours to clear the data base is shown here as 24 hours. Once the 30 day retention has been reached the data base will start to be cleared in 24 hour blocks starting with the first 24 hour storage period. A non-zero number is used to represent how often the database is truncated to the selected number of days specified in "Database Retention Days". If "Hours to Clear Database" is zero (0) then the database is never cleared.

- 3) If the user wants to verify that data is actually being sent to the HSE database. For this they could look at the HSE Proxy View Log file as shown above.

## Smart Client view setup for C2P integration

C2P uses a common Smart Client view for all C2P integrations. The view is a 1 + 3 view with the Hypermedia Search Engine (HSE) being in the “1” view and the “3” corresponds to the 3 camera views that are to the immediate right of the HSE view.

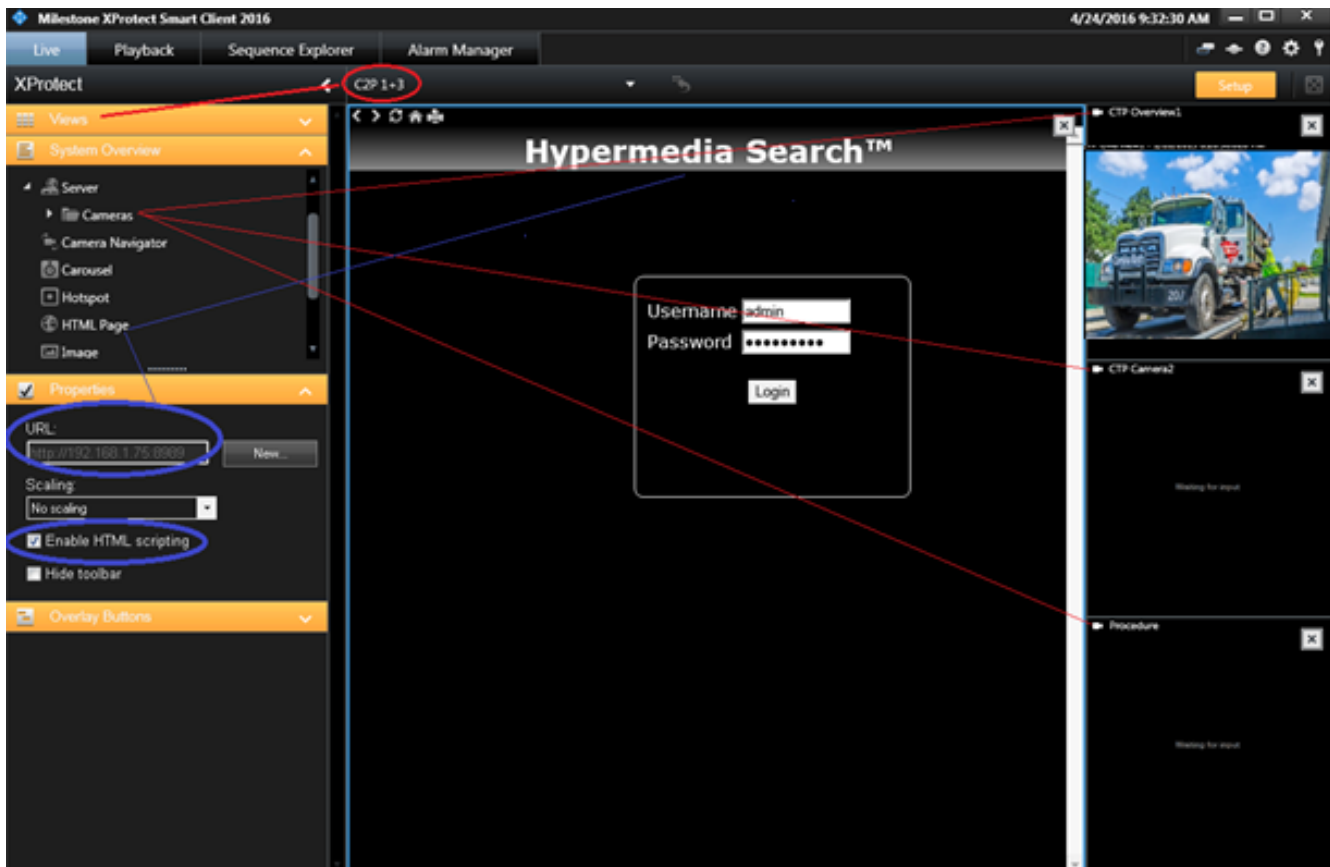
Below is an example of a screenshot for the 1 + 3 view setup screen in the Smart Client.

The HSE uses the Web portal for its view.

The URL used = [http://IP\\_Adr:8989](http://IP_Adr:8989) Below this is shown as <http://192.168.1.19:8989>

The cameras are simply drag and drop from the Camera tab.

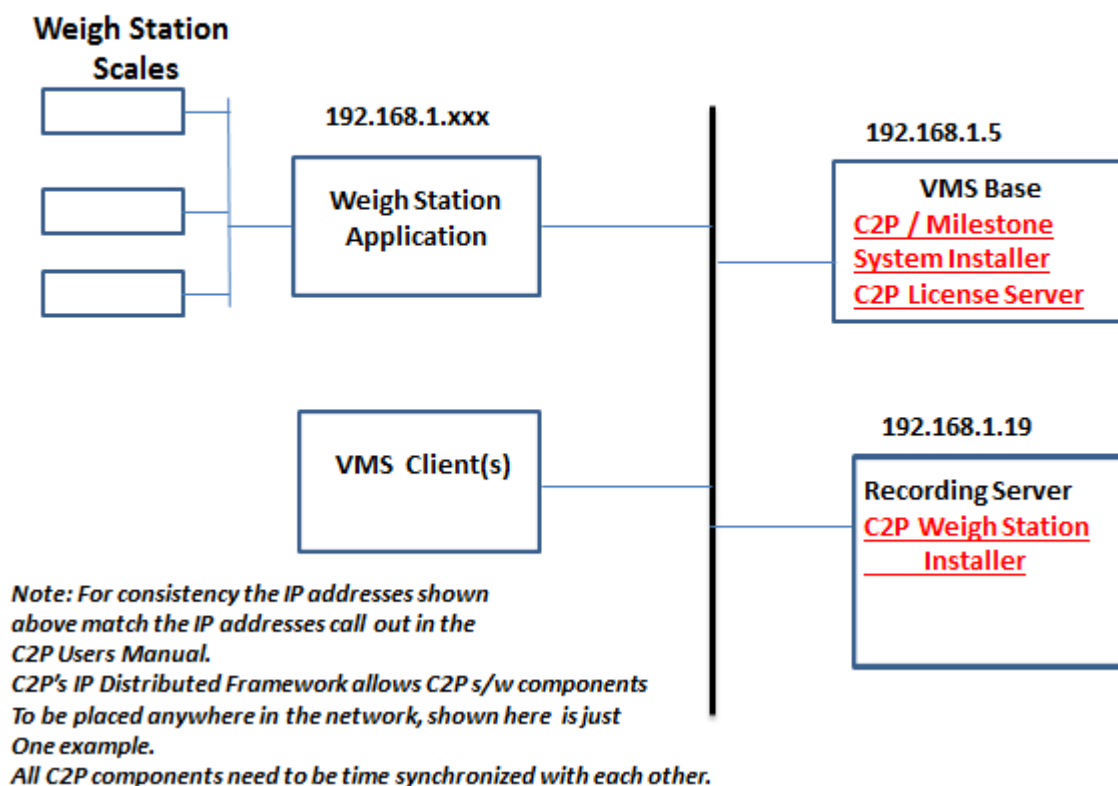
**Note:** The default HSE login password is Password1. To change the password see [C2P HSE Proxy GUI](#)



## Troubleshooting

In the event that your install doesn't work as planned, or your system stops working at some point, below are some basic troubleshooting tips.

### Typical C2P Weigh Station Deployment



If you are not seeing metadata events being reported in the VMS client, the first thing you need to do is move to the point in the system where the data first enters the C2P integration.

This is where most people get hung up.

In troubleshooting the rule is:

*"The output device is great for alerting you that there is a problem, but that's all it is good for."*

As with troubleshooting any electronic device the same basic principles apply = start at the source and work your way through the system to determine where the data goes bad.

Look for things like a blocked port (firewalled) or wrong IP Address specified in one of the C2P settings GUIs.

The block diagram above shows where all of the C2P software components are located with the source located on the machine hosting the WEIGH STATION Application. This is the starting point, and most likely where the problem resides. The first thing that you want to do is to verify that the C2P WEIGH STATION Proxy is receiving data from the WEIGH STATION application. Check the C2P WEIGH STATION Proxy log file first to verify that the C2P proxy is actually receiving data from the WEIGH STATION application. The process of checking the log is simple as was illustrated earlier in this User Manual See item "B" in [C2P WEIGH STATION Proxy configuration GUI](#) and also [Appendix A: Sample C2P WEIGH STATION proxy log files](#)

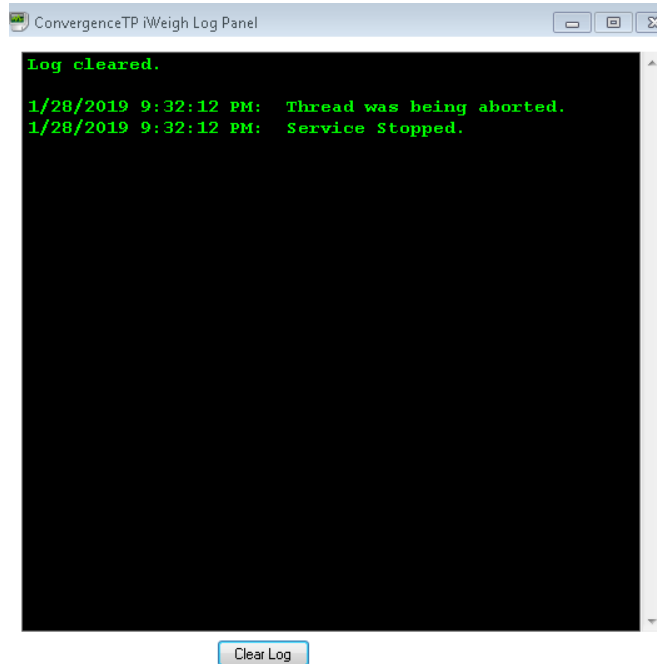
*Each of the other C2P software components shown in Appendix A all have their own respective Log Files as explained in each of their respective sections of this manual. Use the log files first when troubleshooting. That's what they are there for.*

## Appendix A: Sample C2P WEIGH STATION proxy log files

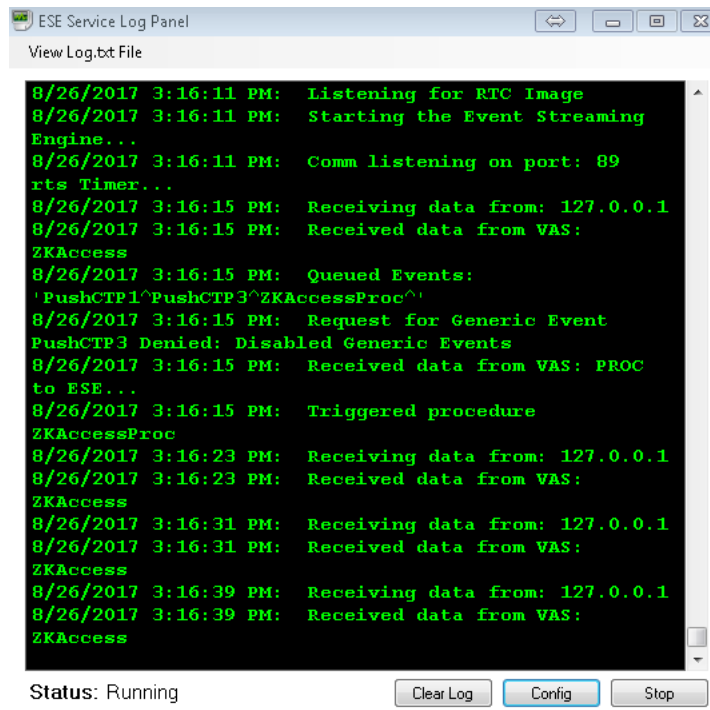
This first screenshot is a log trace of a valid connection between the C2P WEIGH STATION proxy and the WEIGH STATION application.

Each WEIGH STATION proxy has a log file on the front end of the proxy to log every WEIGH STATION received. If nothing is being received by this log file then nothing is being sent by the WEIGH STATION application.

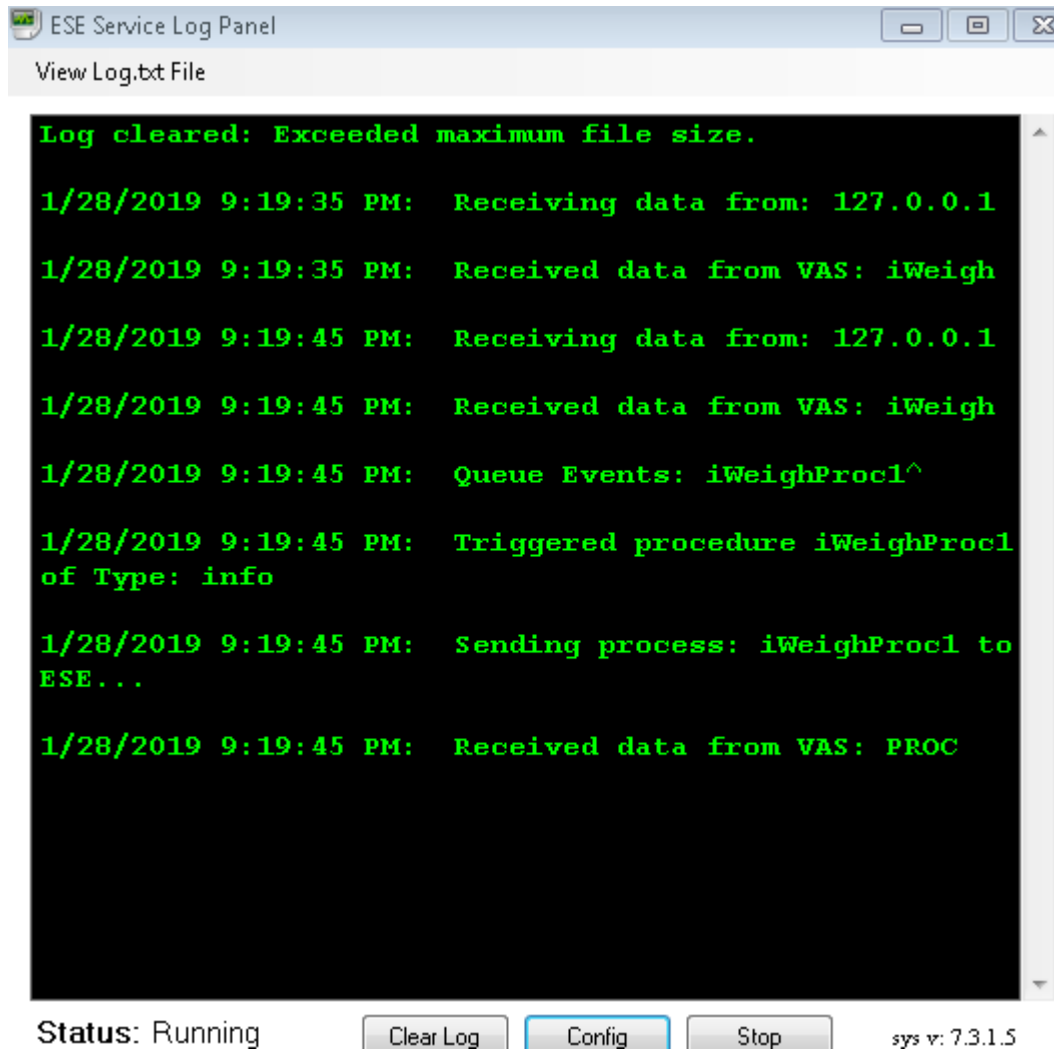
The screen below shows what to expect if no connection can be made by the C2P proxy to the WEIGH STATION application.



The screen shot below shows active data being received by the C2P Weigh Station log file.



The screen below shows activity in the C2P ESE when data is being received from the C2P Weigh Station integration.



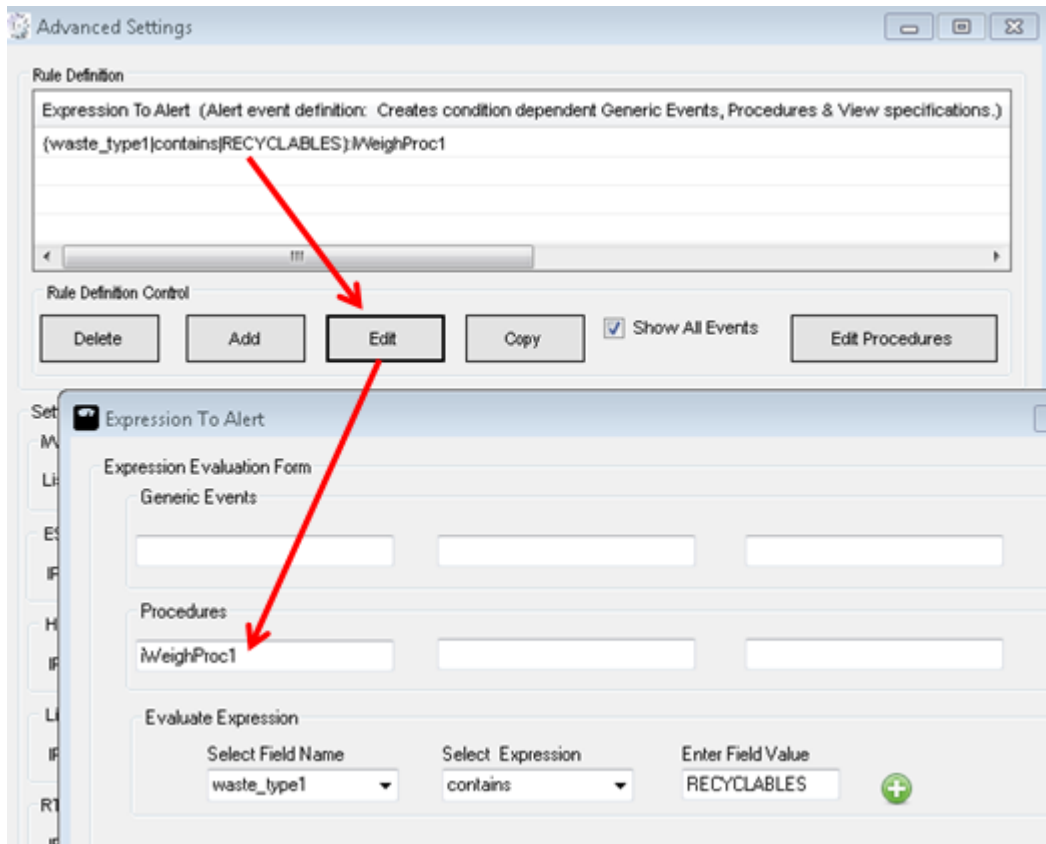
## Appendix B: C2P WEIGH STATION GUI Rules Engine

The C2P Rules engine allows users to create their own rules based on the **Live** text received from the Weigh Station system.

These rules are evaluated for each WEIGH STATION transaction received from the data sourcing point which is sent from the Weigh Station system to the C2P integration.

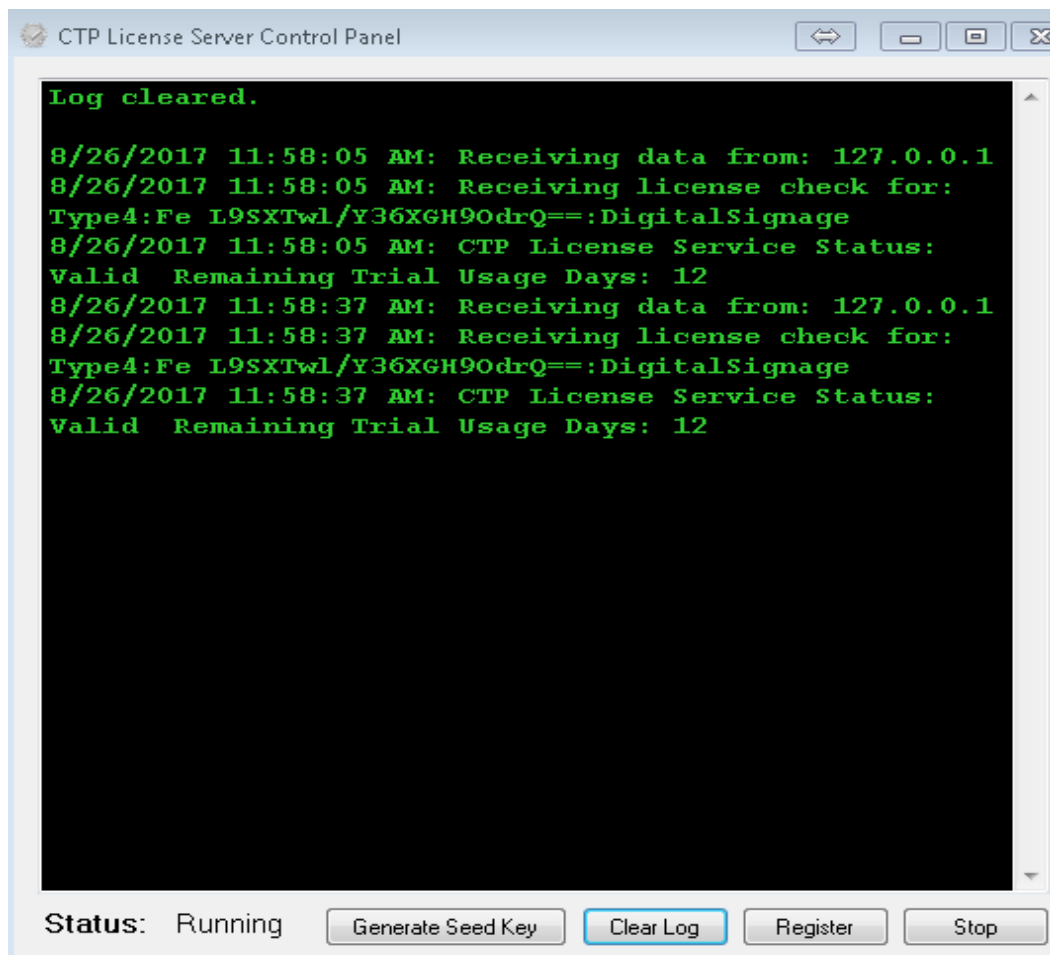
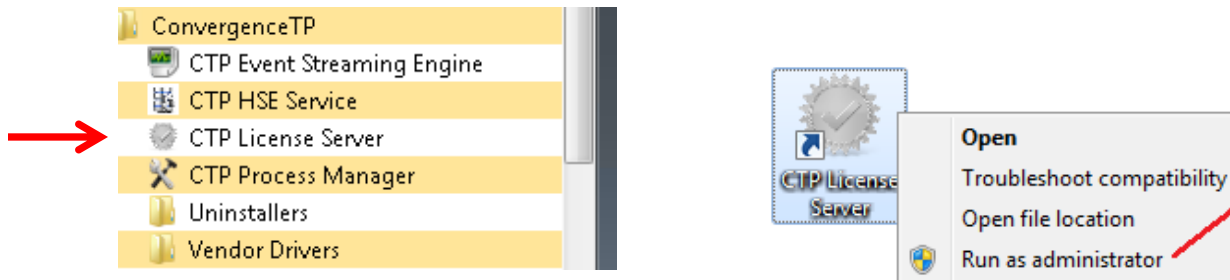
The GUI for the Rules Engine makes it very easy to add, delete or edit a rule. The Rules GUI provides dropdown selections for adding field names. Rules can be a single expression or several expressions AND'd together.

Rules can push a procedure for immediate viewing on the Milestone Smart Client. Rules can be sent Milestone or other 3<sup>rd</sup> party applications TCP/IP Generic event text.



## Appendix C: CTP License Server Control Panel

To see the CTP License Server Control Panel you need to be on the machine hosting Milestone Base.  
To view the Control Panel you can “Run as administrator” the CTP License Server desktop icon. See below.



If the CTP License Server icon is not on the desktop you can also run the executable in:

C:\ConvergenceTP\License server CTP License Control Panel.exe

The License Server Control Panel is where real-time licensing information is displayed.

The License Server is also where the Generation of a Seed Key is initiated so a permanent C2P license can be generated and returned to be installed using the Registration button.

The License Server is also used to install the registered license, by clicking on the Register button and following the instructions.

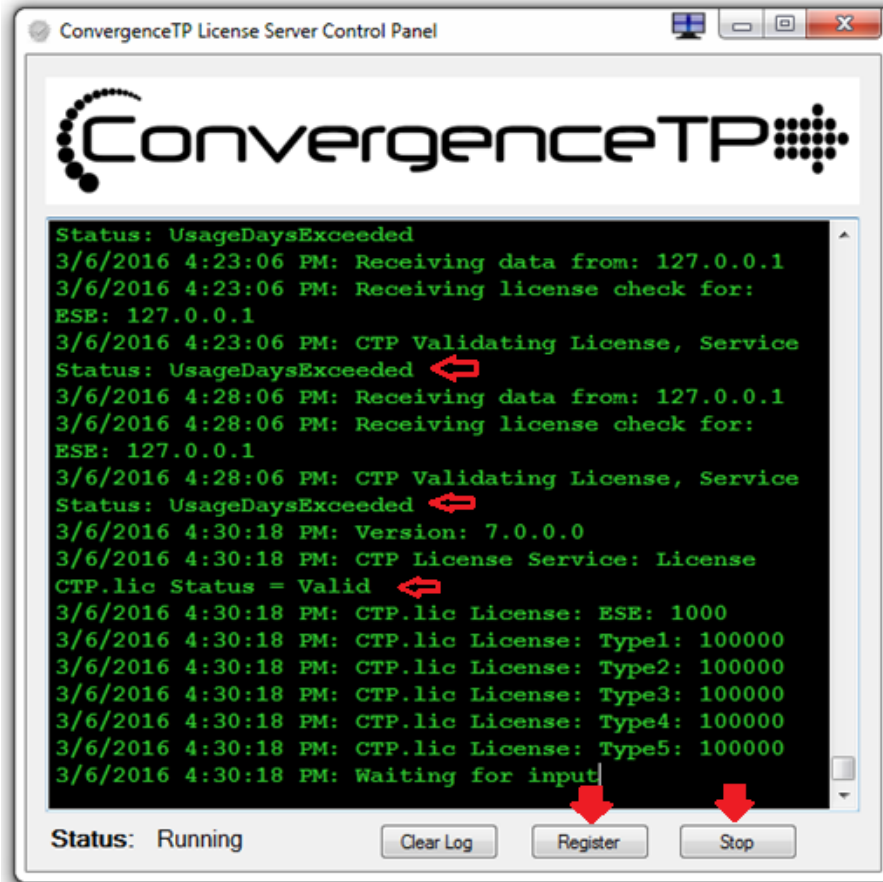


## Loading a new CTP License File

You can also load in your purchased license files using the “Register” button on the bottom of the panel. If you do Register a new license using the Control Panel BE SURE TO STOP AND START THE CONTROL PANEL afterwards.

**Note:** The new license is not read in until the License Server service is restarted so it’s important to stop then start the service using the “Stop” button below, which turns into a “Start” button once the service has stopped.

Also shown below is what the Control Panel looks like when a demo license expires and then a valid license is loaded using the Register button process. The valid license was loaded in at 4:30:18 PM.



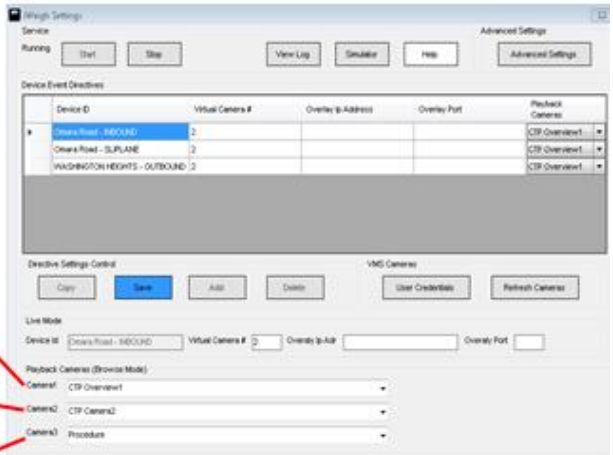
# Appendix D: C2P Weigh Station Settings Configuration Panel

The diagram below shows the association between the C2P Weigh Station GUI and the C2P HSE search Engine embedded in the Smart Client. The GUI is used to establish which Device ID's data will be placed in the client viewport when Show Cameras button on the client is selected in the search engine. The GUI allows the selection of cameras to be viewed using the drop down menu\*. When Show Cameras button is selected the assigned camera views (CTP Overview1, CTP Camera2 and Procedure) will be brought up and will be time synchronized with the device ID data and placed in the client as viewports 1, 2 and 3, respectively. In the case shown below the CTP Camera2 Weigh Station data will appear in viewport2 along with time synchronized video from CTP Overview1 in viewport1. Viewport3 is also time synchronized and is showing a Procedure (Virtual camera named Procedure) for security personnel to be aware of when that event is detected.

Show cameras



View port 1  
View port 2  
View port 3

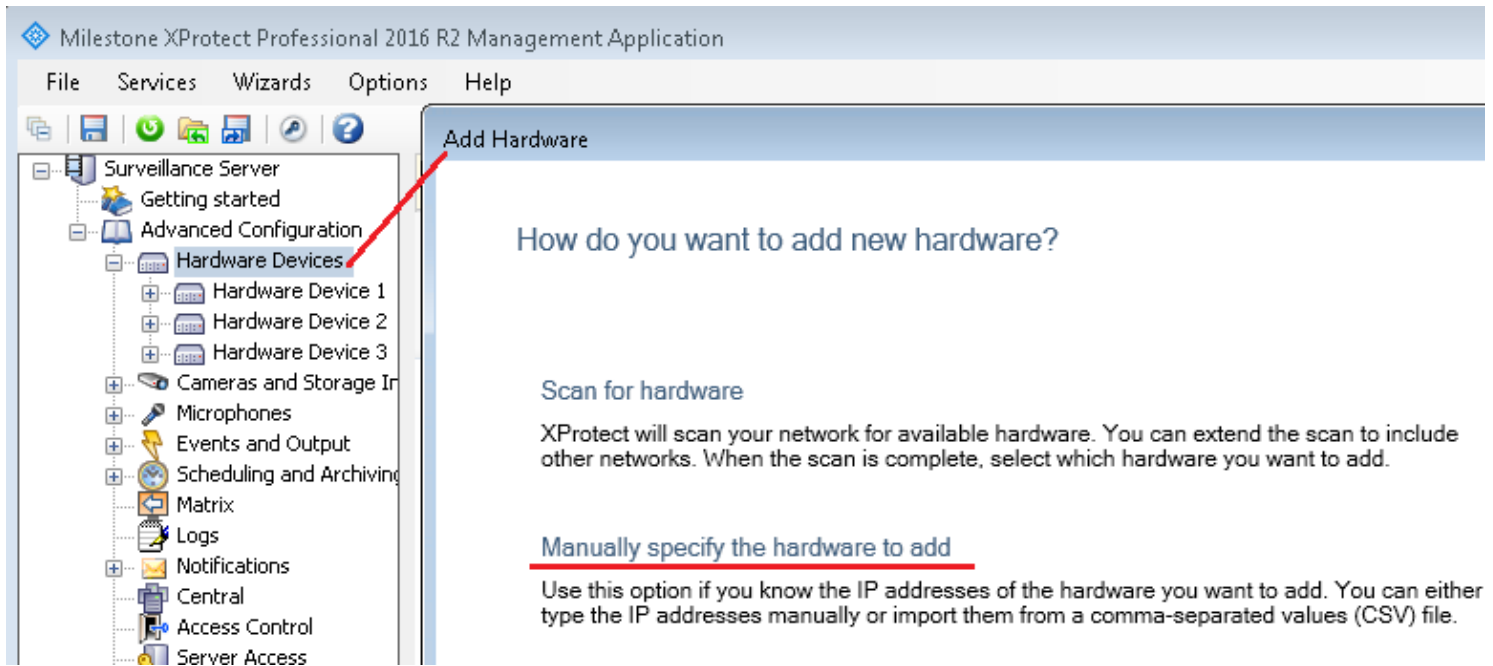


\* Note: when using the drop down camera view list, only cameras Views you have privileges to view will be listed.

If only one camera view is selected in addition to the Weigh Station data it is recommended to have a separate camera view placed in viewport3. If you are not using a Procedure as shown above you may use any other camera but do not use "blank screen" camera here.

## Appendix E: Milestone Enterprise, Professional and Express setup

This section outlines how to setup Virtual Cameras using the Milestone Universal Cameras for either 16 or 64 channel cameras.



Next select "Manual" mode for the hardware detection method.

Select "Universal" as the camera type

In the Add Hardware form:

The Address is the address of the PC/Server hosting the C2P ESE

The Port is 89

The Hardware model is Universal "xx" channels where xx can be 1, 16 or 64

**Add Hardware**

### Type IP addresses

Type the IP addresses of the hardware you want to add to your system or import the information from a comma separated values (CSV) file. You can speed up the scanning process by selecting the manufacturer(s) of the devices you want to add.

IP Address	Port	User Name	Password	Driver
192.168.1.19	89	<default>		Universal 16 channels d ▼
IP Address	80	<default>		Auto-detect ▼

Next enable the Universal channels needed being sure to **DISABLE ALL MICROPHONE CHANNELS**

This completes adding the Universal Camera definitions.

Next you will need to name the individual camera names and configure each individual camera and setup each virtual camera.

Hint: *Use camera names that are easy to associate with your access points.*

Milestone XProtect Professional 2016 R2 Management Application

File Services Wizards Options Help

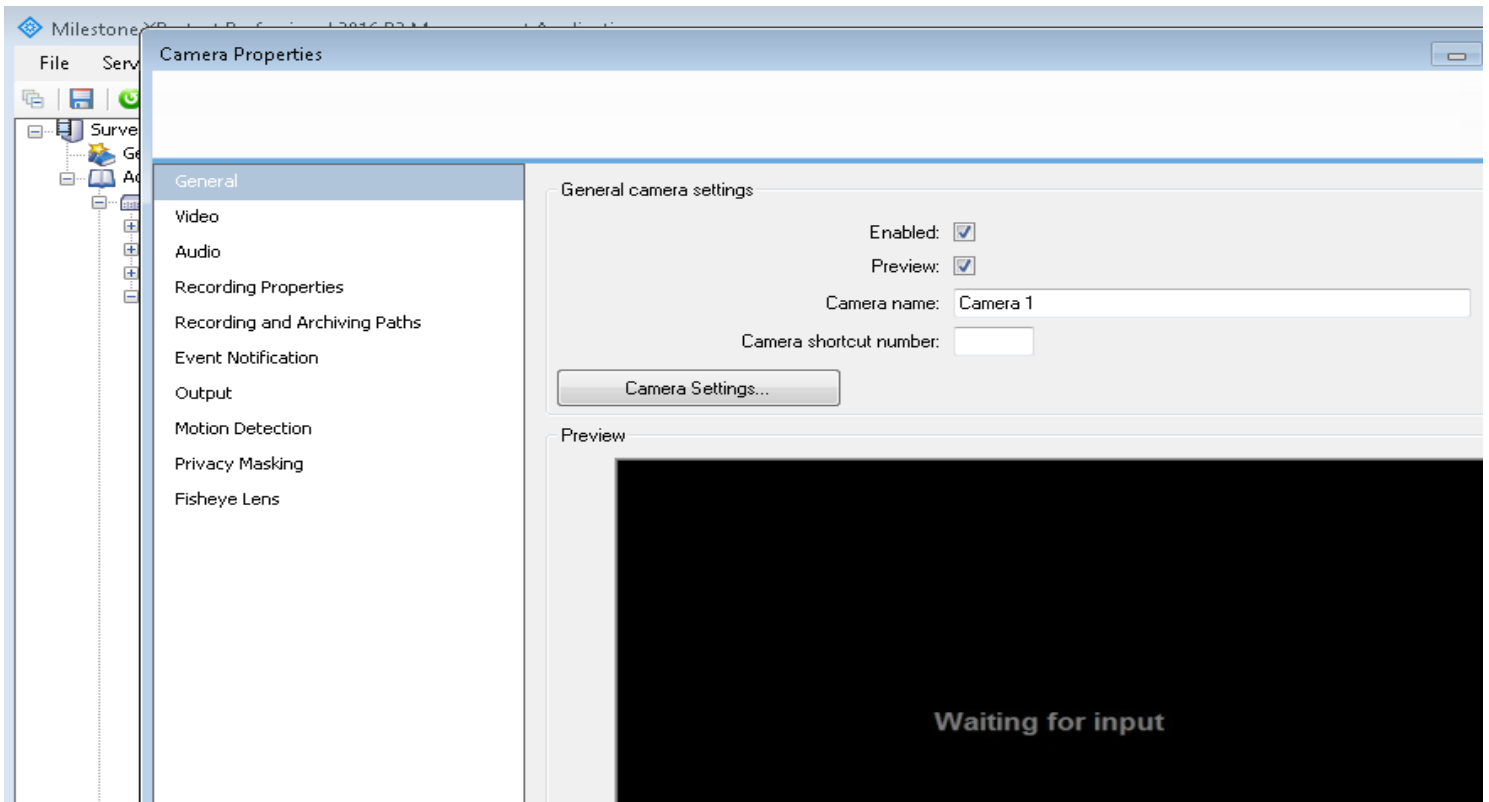
Surveillance Server

- Getting started
- Advanced Configuration
  - Hardware Devices
    - Hardware Device
    - Hardware Device
    - Hardware Device
    - Hardware Device
    - Camera 1
    - Camera 18
    - Camera 19
    - Camera 33
    - Camera 34
    - Camera 35
    - Camera 36

**Camera Settings Summary:**

Enabled	Camera Name	Properties	Video Format	Record on	Retention Time	Recording Path
<input checked="" type="checkbox"/>	Camera 1	Open	Querying...	Motion Detection	7	Day(s) X:\MediaDatabase\

Select camera properties and follow settings outlined below.



Configure Camera properties as shown below. Assign the `getportX` URL connection for each Weigh Station transaction data sourcing point where `X` is the virtual camera differentiator. If you have 20 Weigh Station detection points you will have `getport1` thru `getport20` virtual cameras.

As an example a table would help in keeping track of the Weigh Station to device ID and virtual camera assignment.

<b>Weigh Station name</b>	<b>Device ID</b>	<b>Virtual camera #</b>	<b>Virtual camera name (optional)</b>	<b>comment</b>
Bay1 Dom.	1	1	Camera1	getport1
Bay 2 Commercial	2	2	Camera2	getport2
Loading Dock 5	3	3	VC3	getport3

## Camera Properties

### General

Video

Audio

Recording Properties

Recording and Archiving Paths

Event Notification

Output

Motion Detection

Privacy Masking

Fisheye Lens

### General camera settings

Enabled:

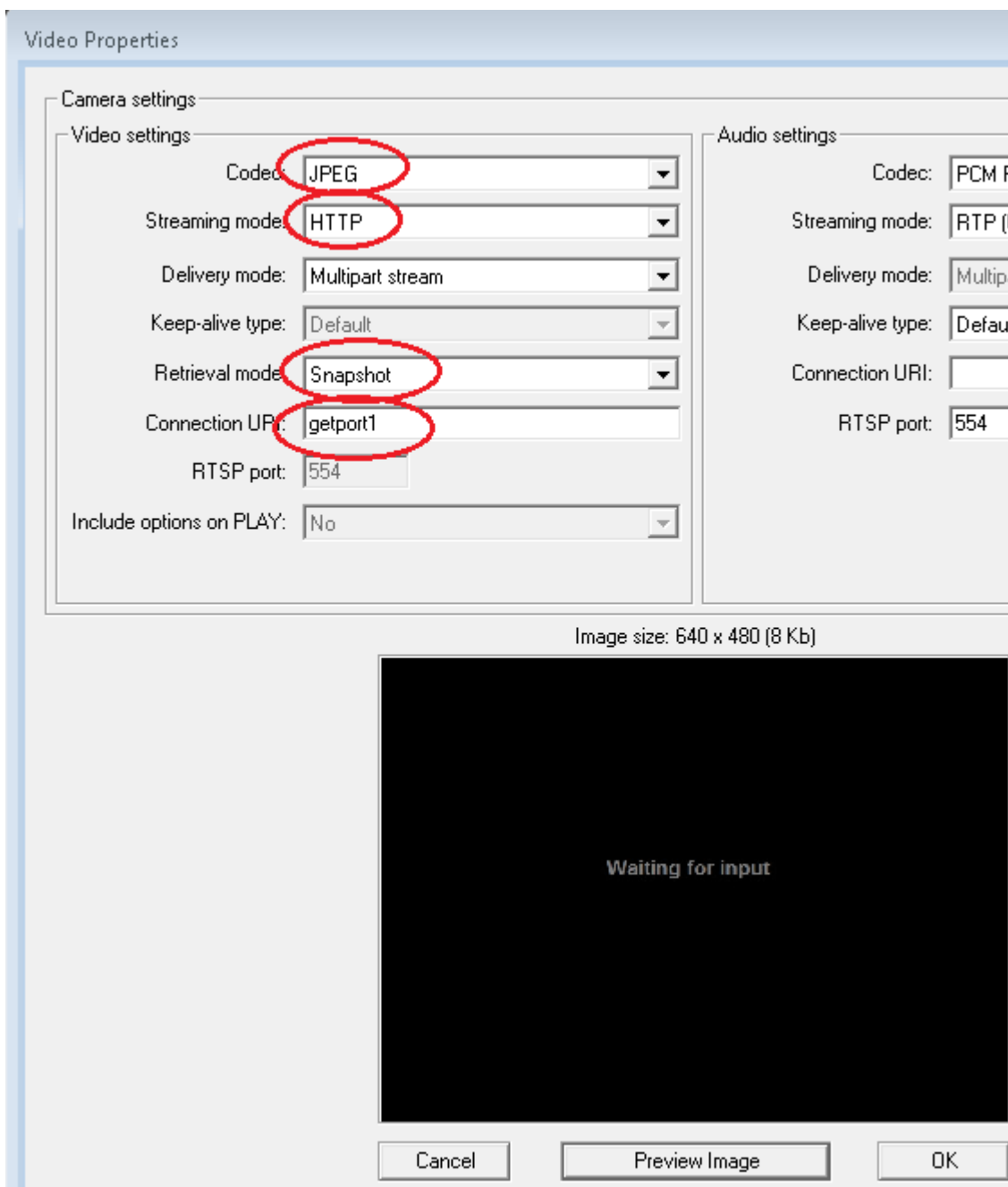
Preview:

Camera name:

Camera shortcut number:

[Camera Settings...](#)

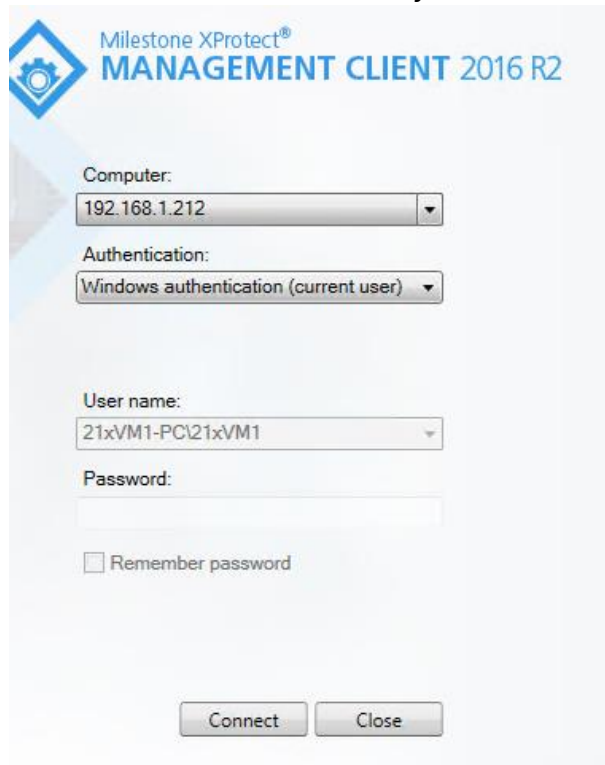
### Preview



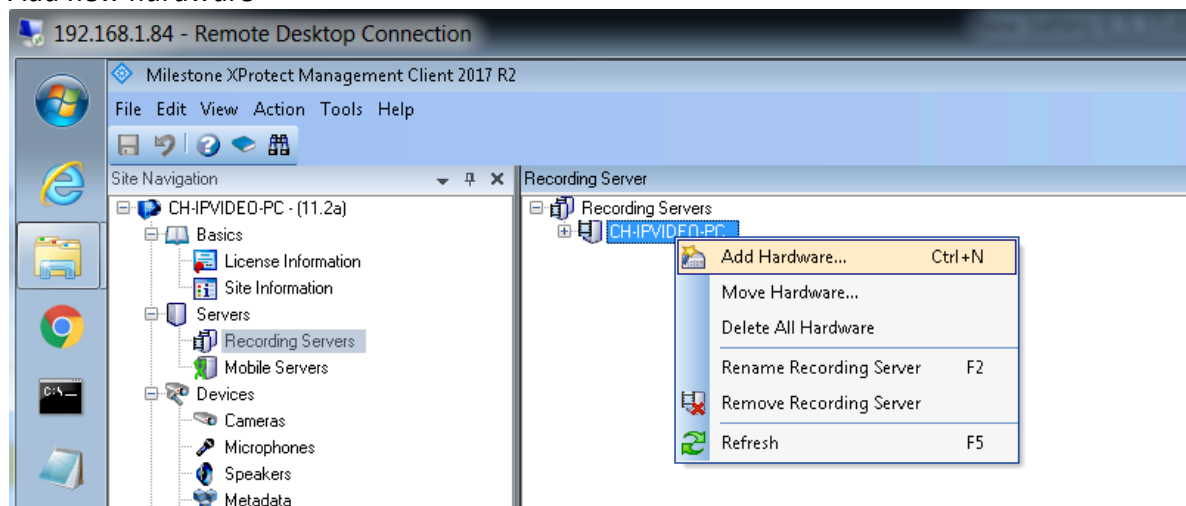
**Note :** Retrieval mode used here is Snapshot, this is different when using Milestone Plus Series mode.

# Appendix F: Universal Camera Setup using Plus Series Platform

Login defaults to Windows authentication.  
You can add a "Basic" account if needed



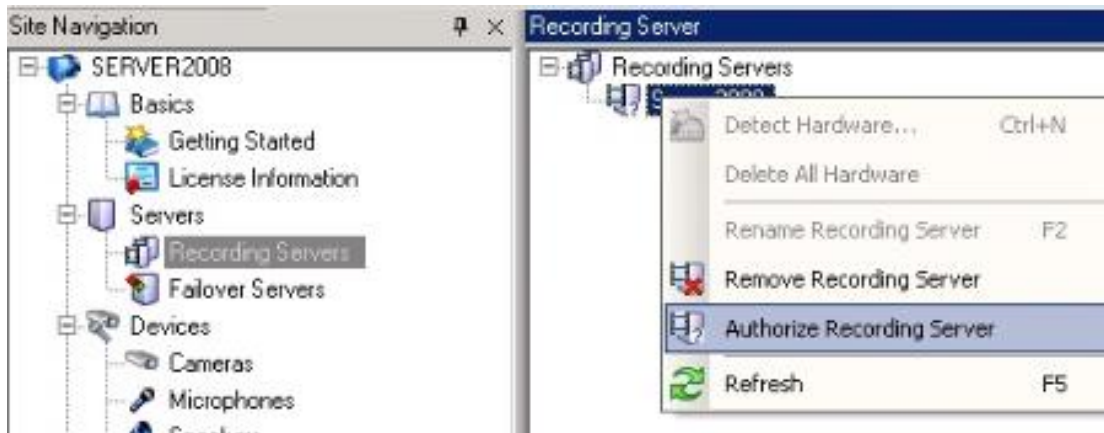
## Add new hardware



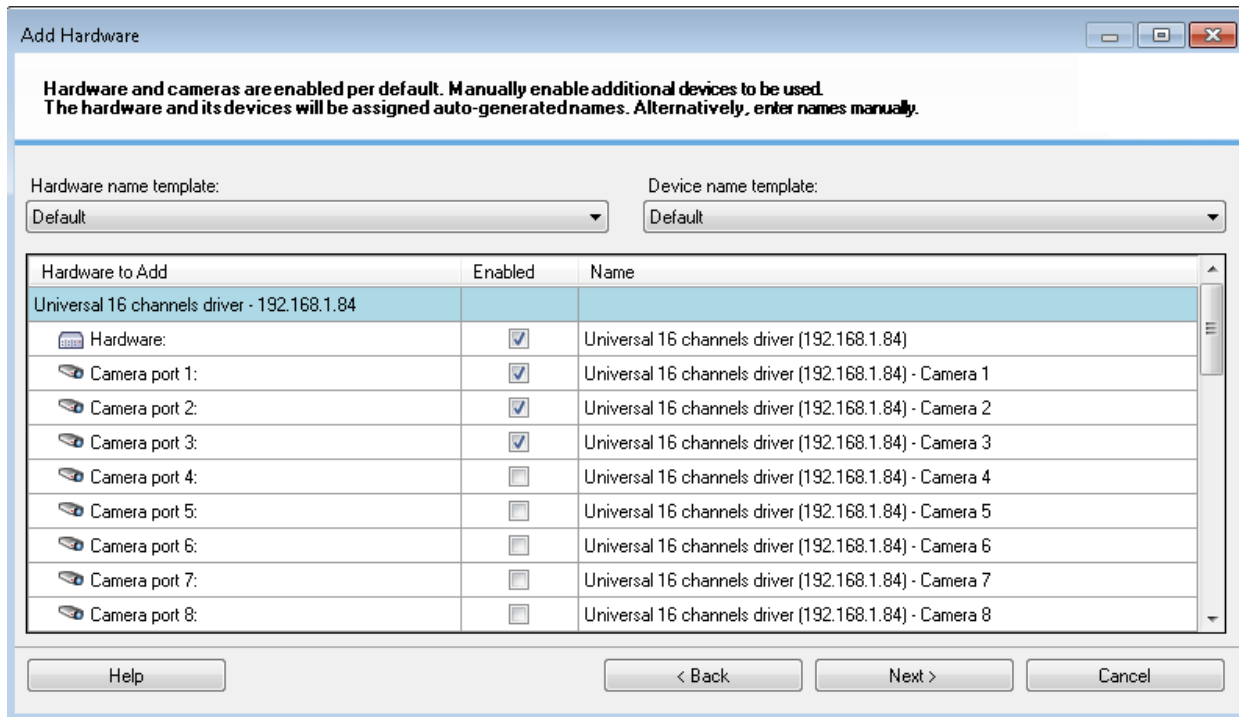


**Note Milestone Corporate and Expert may require this step below**

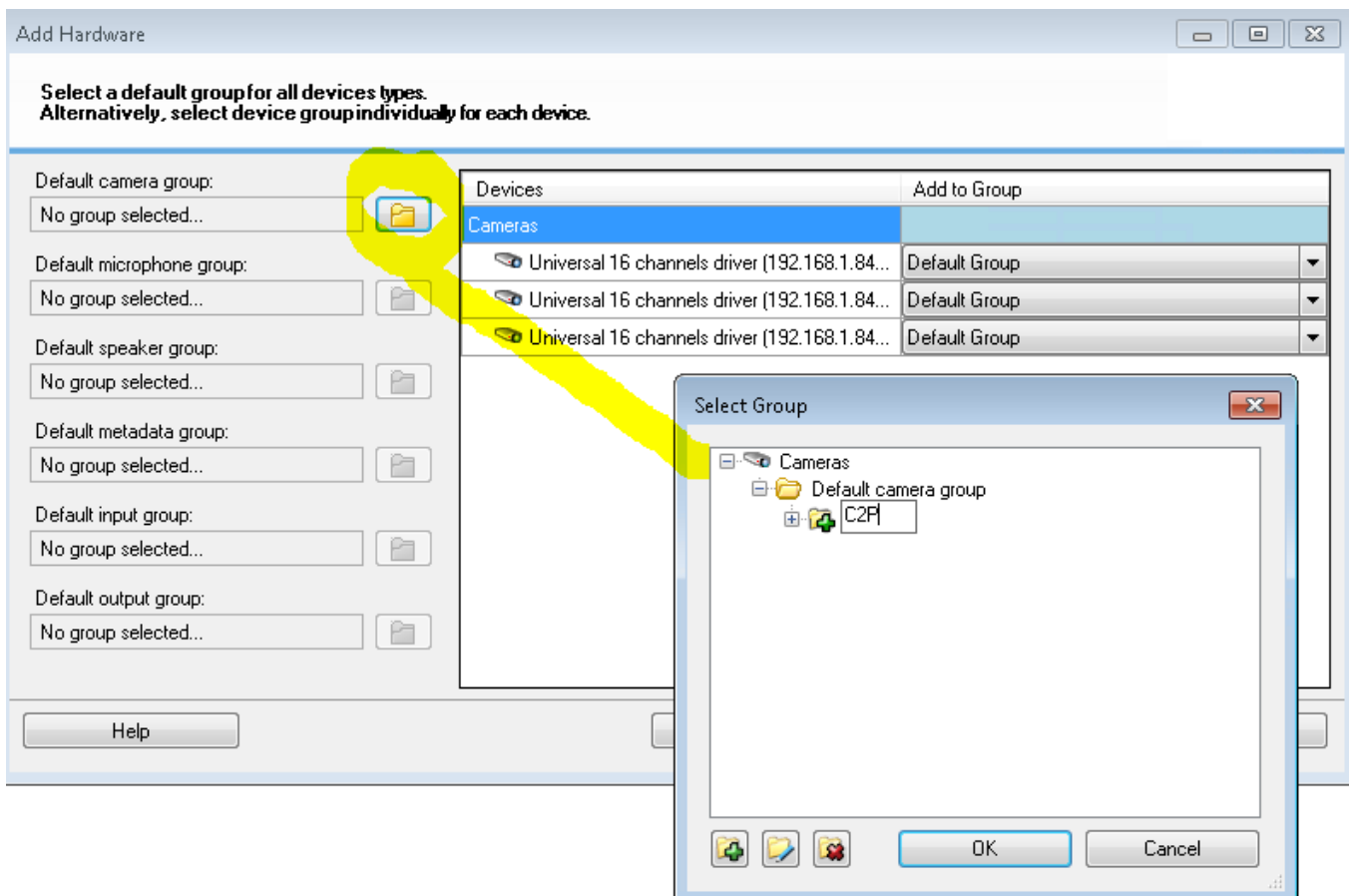
When you go to your recording server for the first time you need to right click on it to “Authorize” it, then you can add hardware devices.



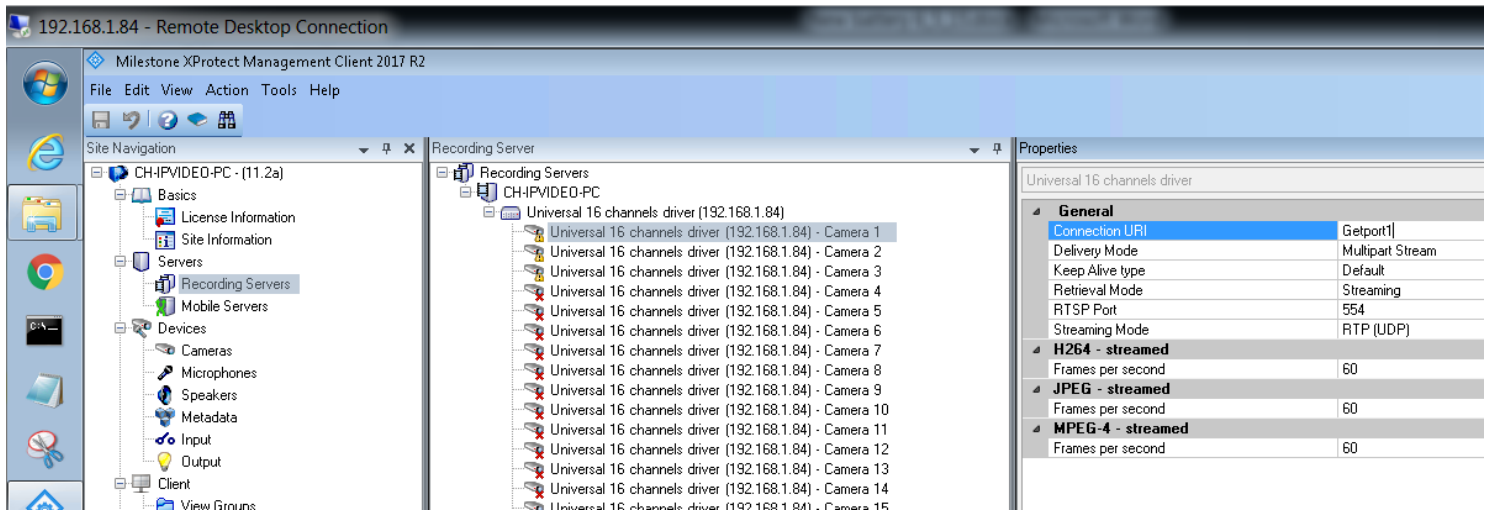
When prompted deselect the Universal cameras not used.



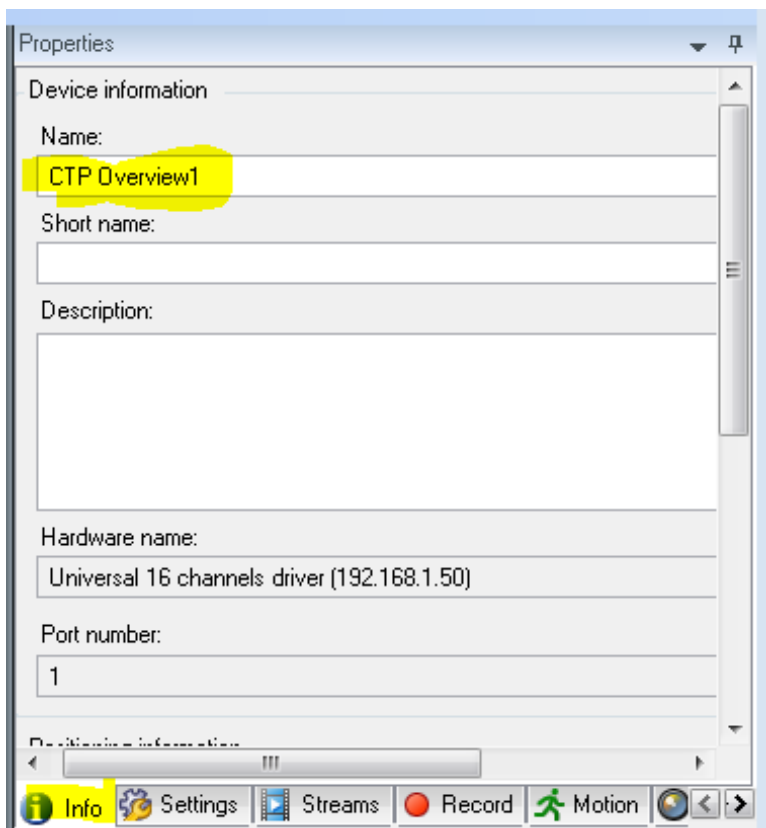
Next create a C2P group



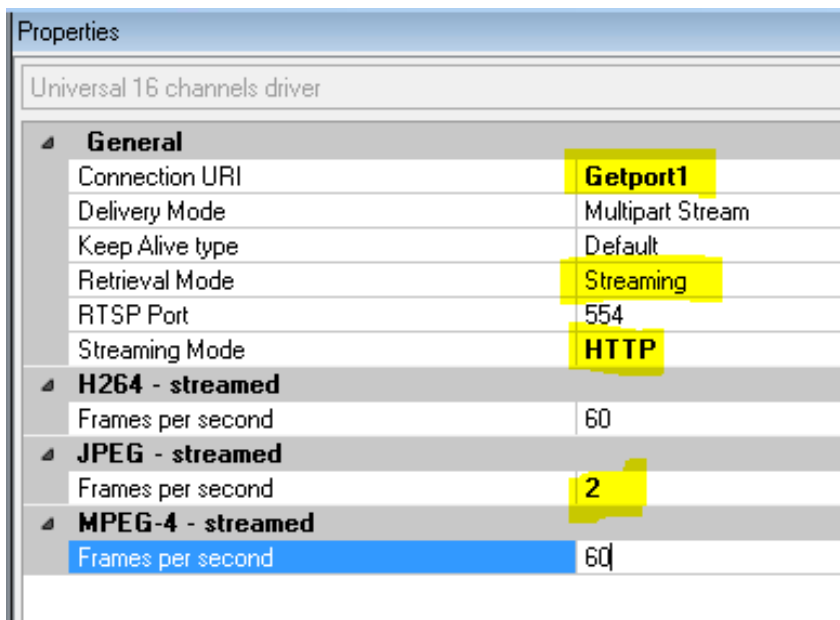
Next build the individual C2P cameras

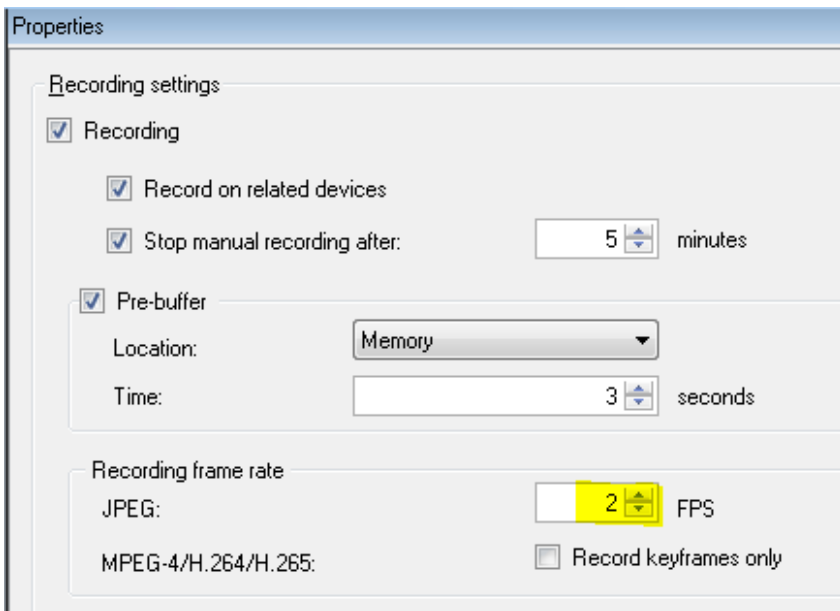


Name the camera using the "Info" tab at the bottom of the screen

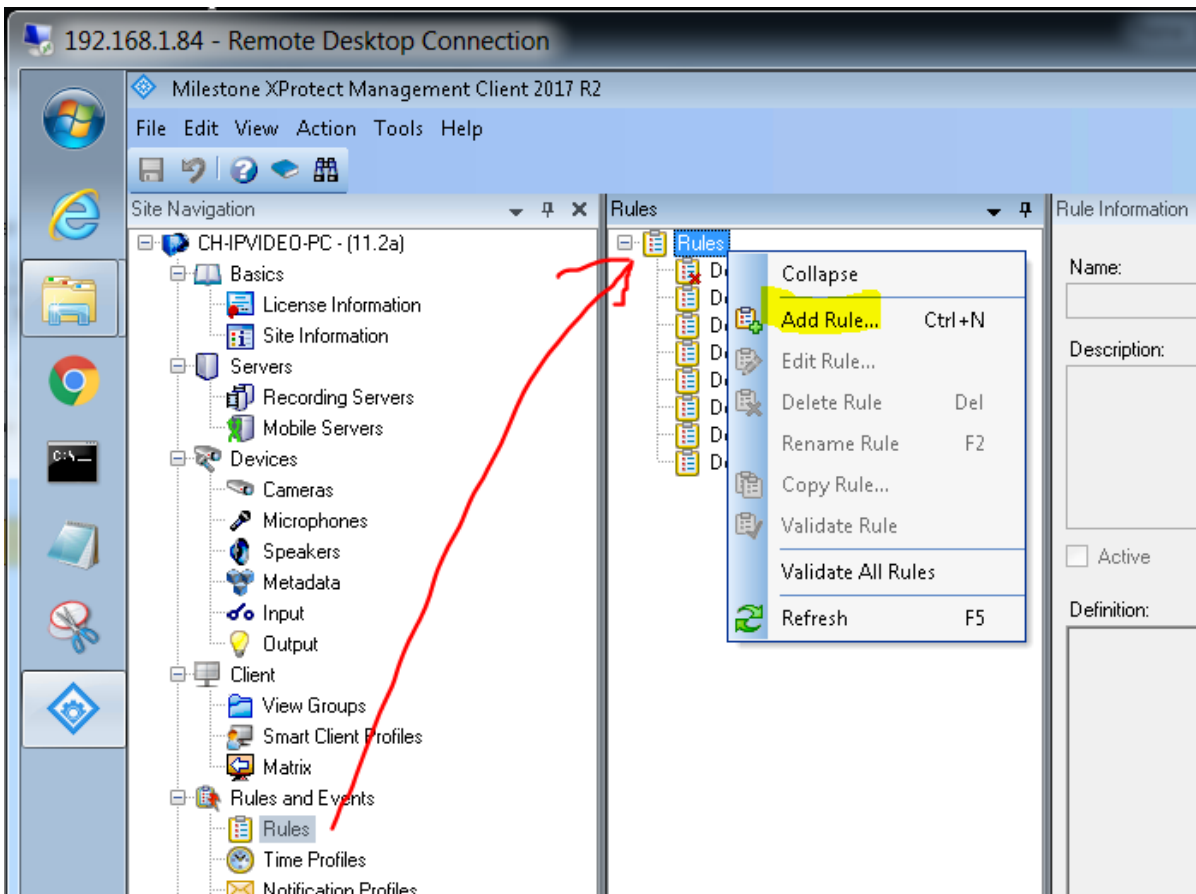


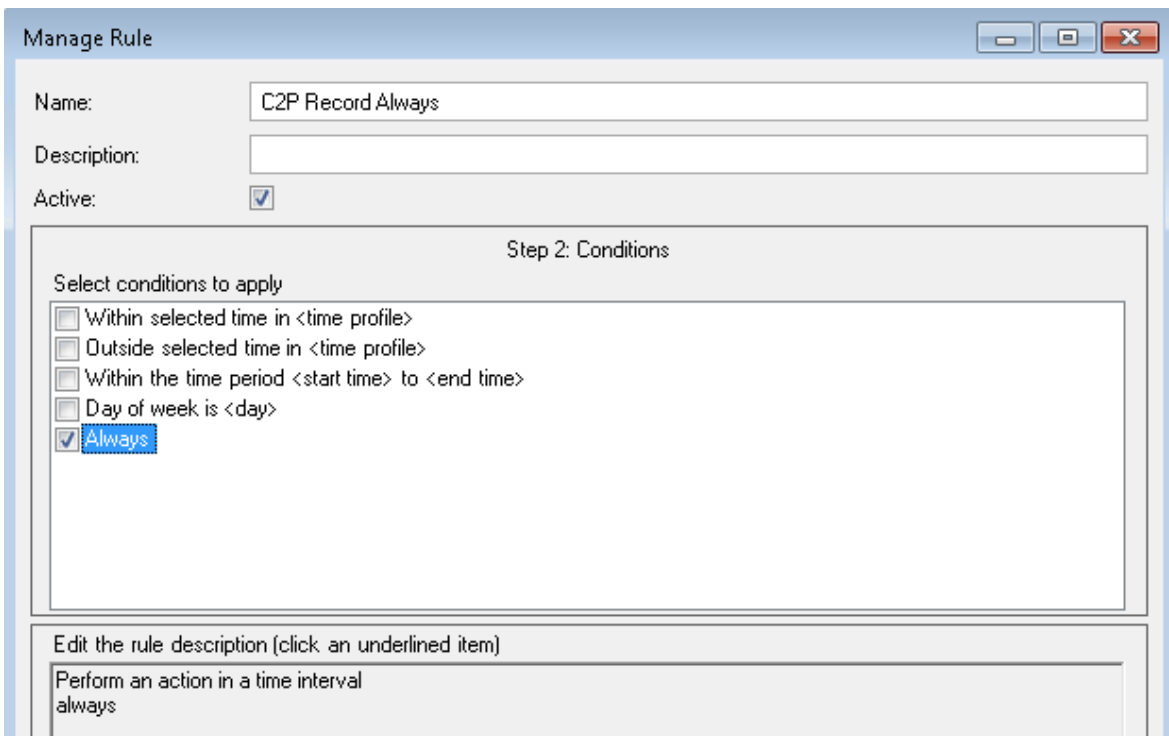
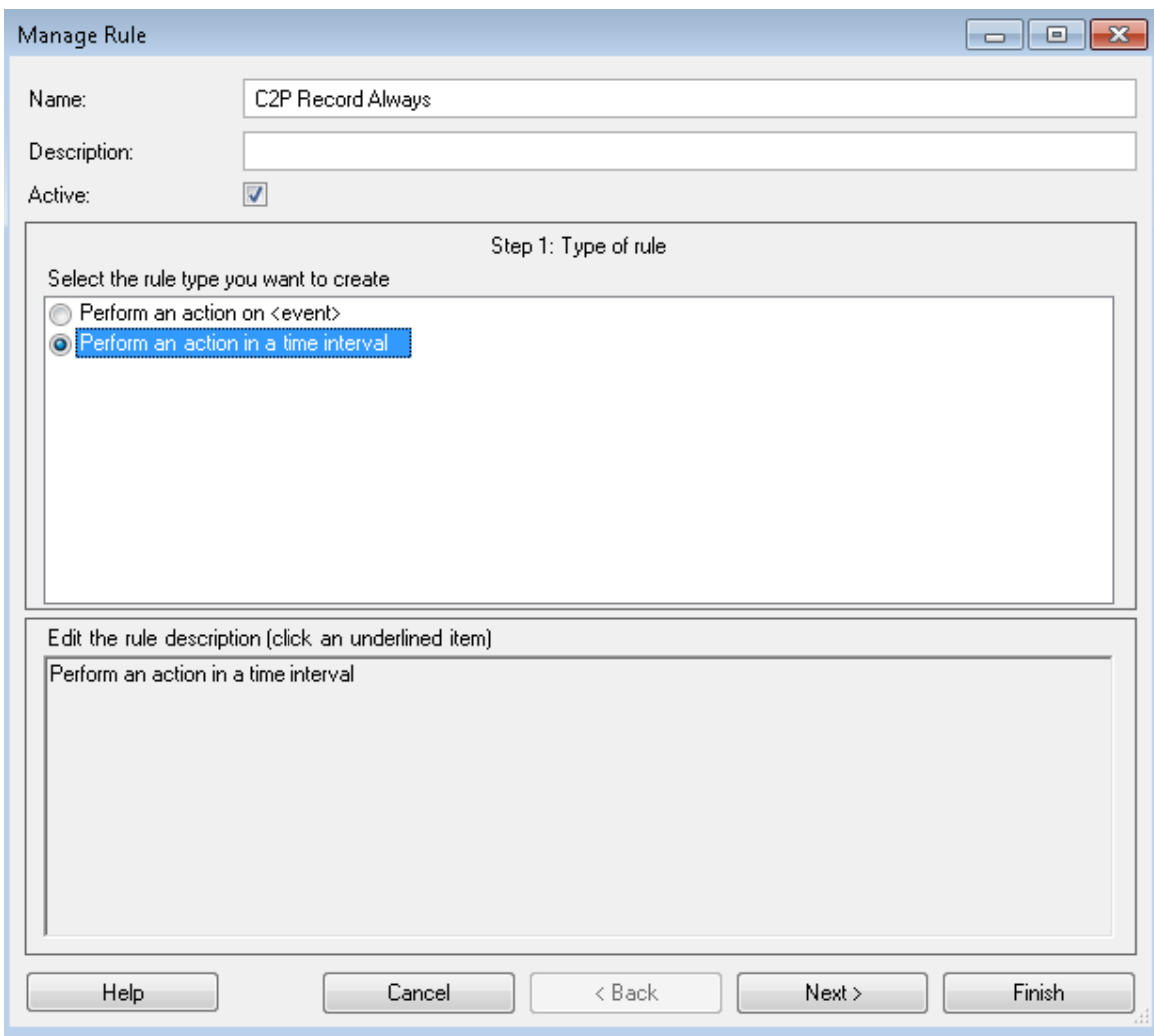
*Note that Milestone "Plus" systems requires "streaming mode" below for the universal cameras.*

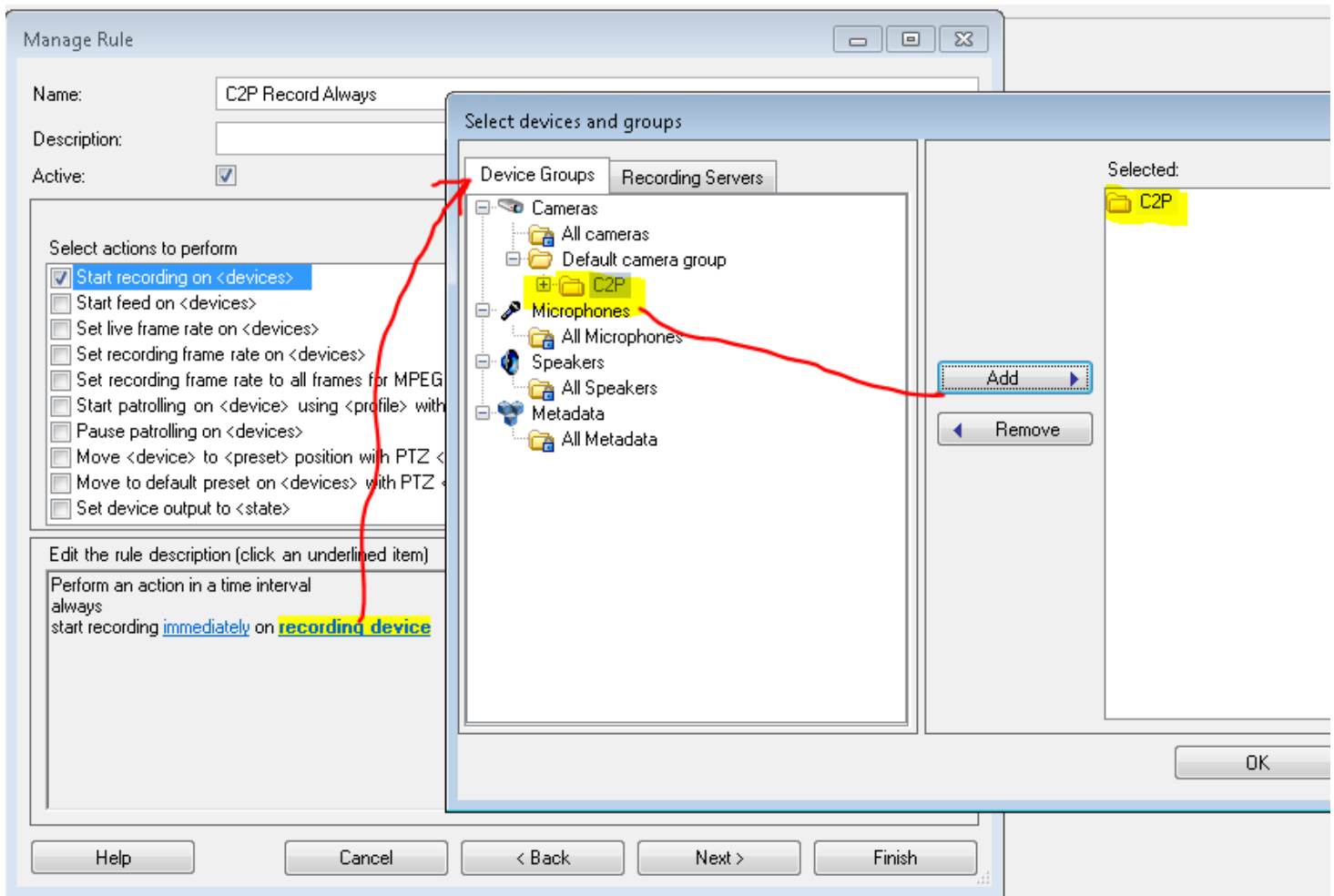




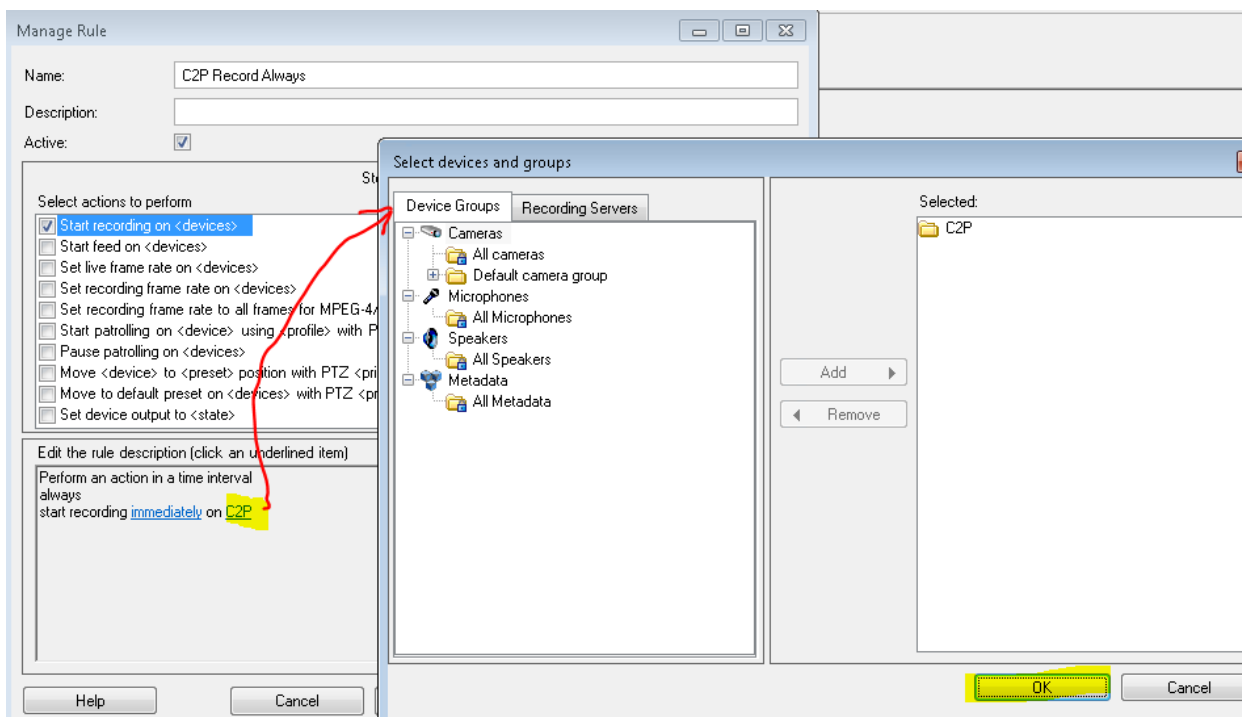
### Add a Rule to set C2P cameras to record always

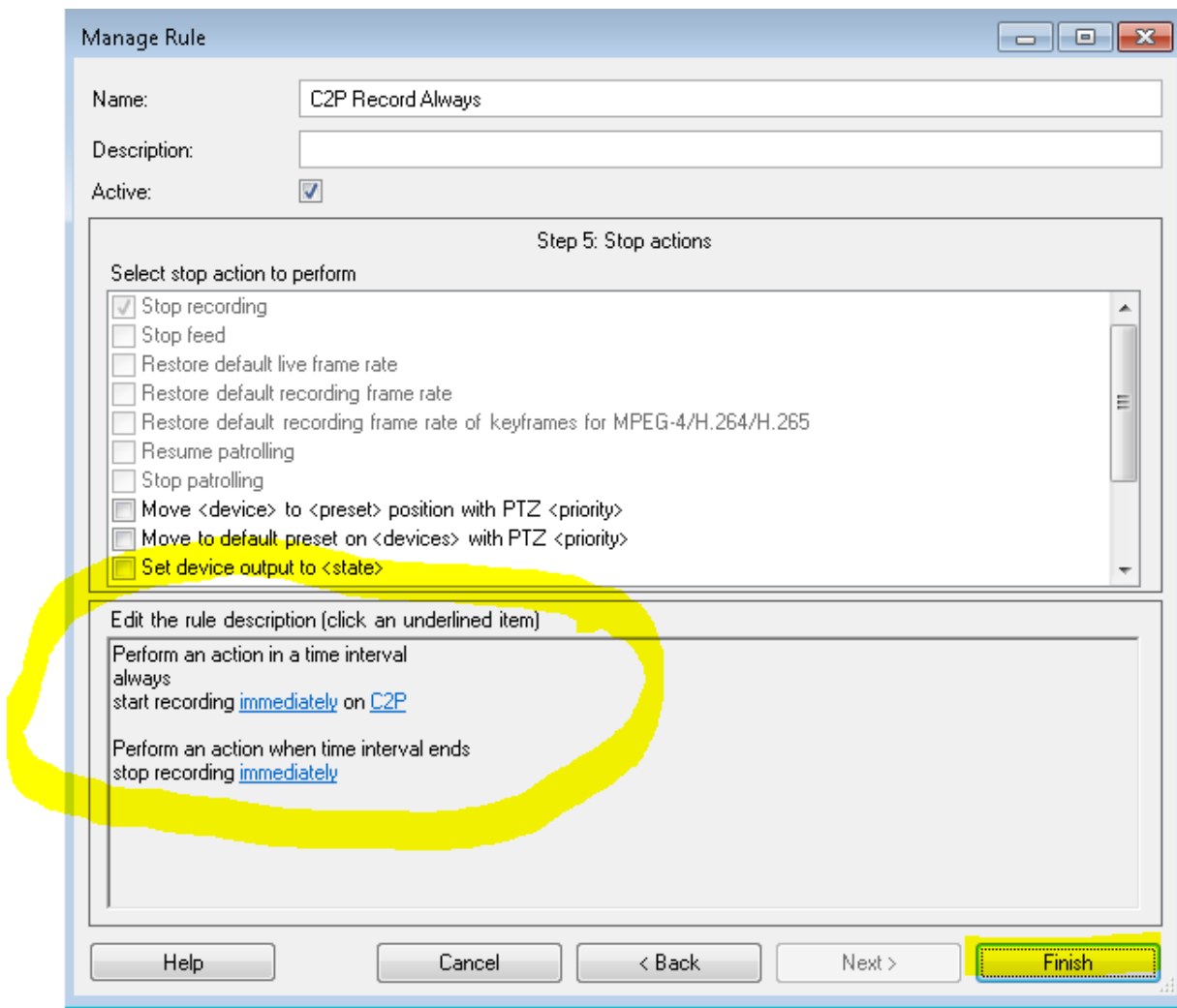






Done, this is your Rule below

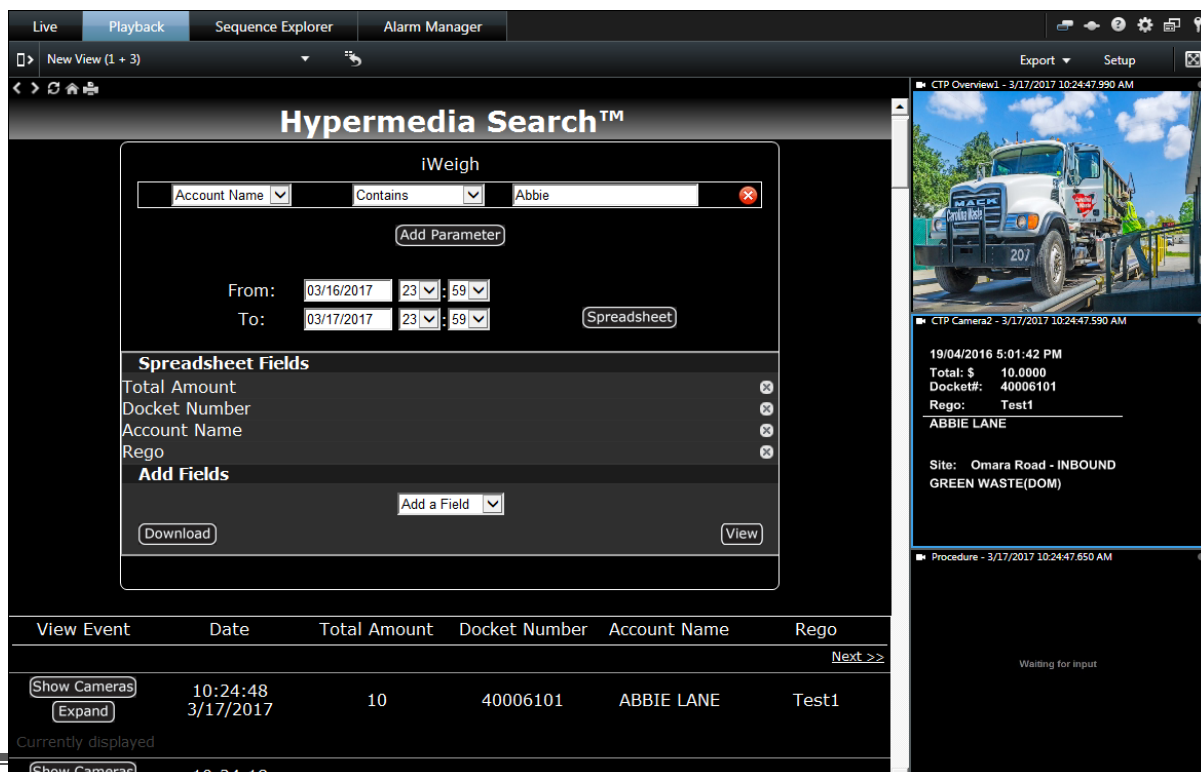




*The C2P cameras should be ready to go now.*



- Integrate your weigh station system with XProtect establishing a Unified Security monitoring and analysis platform making your video management system (VMS) the ideal head-end.
- Improve operations by having retail point of sale or commercial scale transaction information recorded along with video of all weigh scale events and weigh scale operators.
- Be notified in real-time when weights are exceeded. For retail business this can be item weight or for commercial applications this can be waste material needing special handling - such as: domestic, commercial or hazardous waste is being brought to a transfer station.
- Send Email and SMS alerts to designated personnel when special handling is required.
- Quickly recall weigh scale events along with video of those events by using C2P's a drop down menu to select a combination of search parameters, which can include: Operators name, employee number, scale number, docket number, item description, date, and time, or event. Plus have access to any video within your network.

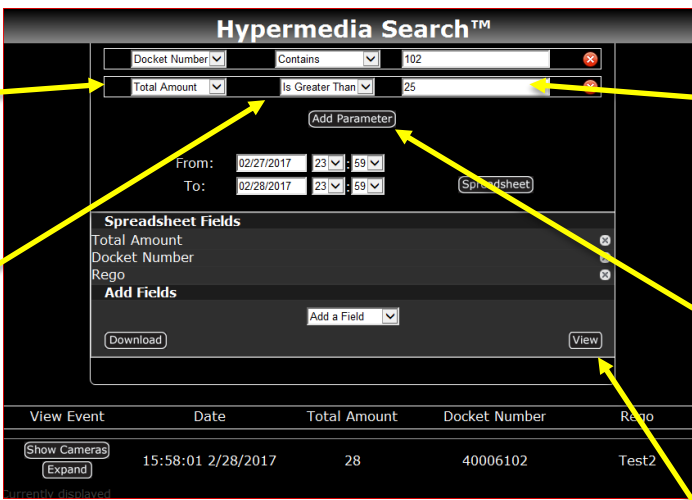


The screenshot displays the 'Hypermedia Search' interface. At the top, there are navigation tabs: Live, Playback, Sequence Explorer, and Alarm Manager. Below these, there's a search filter section for 'iWeigh' with fields for Account Name (containing 'Abbie'), a search type dropdown (set to 'Contains'), and a search term field. There are also date and time filters for 'From' and 'To' (03/16/2017 23:59 to 03/17/2017 23:59). A 'Spreadsheet' button is visible. Below the filters, there's a 'Spreadsheet Fields' section with a list of fields: Total Amount, Docket Number, Account Name, and Rego. An 'Add Fields' section is also present. At the bottom of the search results, there's a table with columns: View Event, Date, Total Amount, Docket Number, Account Name, and Rego. The table shows one event on 3/17/2017 at 10:24:48 with a total amount of 10, docket number 40006101, account name ABBIE LANE, and rego Test1. To the right of the table, there's a detailed view of the selected event, showing a video thumbnail of the truck on the scale, and a data summary: 19/04/2016 5:01:42 PM, Total: \$ 10,0000, Docket#: 40006101, Rego: Test1, ABBIE LANE, Site: Omara Road - INBOUND GREEN WASTE(DOM).

View Event	Date	Total Amount	Docket Number	Account Name	Rego
<a href="#">Show Cameras</a> <a href="#">Expand</a>	10:24:48 3/17/2017	10	40006101	ABBIE LANE	Test1



Select search parameter from drop down tab.

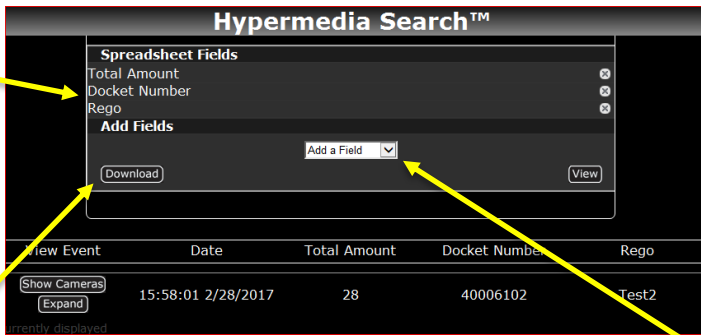


Use full or partial keywords from metadata to setup the search.

Qualify your search with equal to, not equal to, contains, etc.

Filter your search by adding multiple keywords.

Setup your spreadsheet columns using either default settings or add or delete columns.



Once your search parameters are defined select view to present results in table.

Select Download to export data in CSV format to a spreadsheet where you can create a visual representation of the data.

Add new column headings to your spreadsheet using drop down menu.

Add Comments to spreadsheet

Add additional camera views during your forensic investigations

Count Events

Use Snap Shot to print video and text images for your incident reports.

The screenshot shows the 'iWeigh Report' application window with 416 entries. The menu bar includes 'Export Excel', 'Comment', 'Add Camera', 'Snap Shot', 'Video DB Export', 'View Log', and 'Help'. The table below has the following columns: 'Timestamp', 'total\_amount', 'docket\_number', 'rego', 'account\_name', 'site', 'waste\_type1', and 'waste\_type2'. The data rows are as follows:

Timestamp	total_amount	docket_number	rego	account_name	site	waste_type1	waste_type2
1/28/2019 9:31:52 PM	1000	40006103	Test3	Omara Road	Omara Road - SLIPLANE	RECYCLABLES(DOM)	MIXED DOMES
1/28/2019 9:31:42 PM	28	40006102	Test2	WASHINGTON HEIGHTS	WASHINGTON HEIGHTS - OUTBOUND	RECYCLABLES(DOM)	MIXED DOMES
1/28/2019 9:31:32 PM	10	40006101	Test1	ABBIE LANE	Omara Road - INBOUND	GREEN WASTE(DOM)	
1/28/2019 9:31:22 PM	1000	40006103	Test3	Omara Road	Omara Road - SLIPLANE	RECYCLABLES(DOM)	MIXED DOMES
1/28/2019 9:30:09 PM	10	40006101	Test1	ABBIE LANE	Omara Road - INBOUND	GREEN WASTE(DOM)	
1/28/2019 9:29:59 PM	1000	40006103	Test3	Omara Road	Omara Road - SLIPLANE	RECYCLABLES(DOM)	MIXED DOMES

# Integrating IP Data with Video Surveillance

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