Overview

The Tokheim Forecourt integration works with any exacqVision system running Windows or Linux. This document assumes that the exacqVision server and the Tokheim Forecourt application are both installed and running.

Requirements

Minimum software requirements:

- exacqVision version 5.0 or later
- Tokheim Forecourt version EUR33.0.96 or later

Note

- Make sure the FTP location is not pointing to the exacqVision server or OS drive; if it is, the drive will run out of storage space.

Configuration

Download and install the Tokheim integration plugin.

- Windows
- Linux

The default installation paths are:
Windows: C:\Program Files\exacqVision\evTokheim.
Linux: usr\local\exacq\evTokheim

A file called evTokhemPI.xml is created at installation. Configuration of this file is required for proper operation. All configuration information for the plug-in is stored in the evTokheimPI.xml file with the following fields:

XML Tag	Attributes	Description	Notes
<evTokheim>		Master element	Only 1 is allowed
<Options>		Sub-element of <evTokheim>	Only 1 is allowed
	RetryIntervalSecs	Time to wait between reconnection attempts	Default=10
	LogImageTransfers	1=Log image transfers, 0=Don't log	Default=0
<NVR>		Sub-element of <evTokheim>	Multiples are allowed
	Address	IP address of NVR	Default=127.0.0.1
	Port	NVR port on server	Default=22609
	User	NVR username	Required (no default; may not be empty)
	Password	NVR user password	Required (no default; may be empty)
<POS>		Sub-element of <NVR>	Multiples are allowed
	Address	POS IP address	Required

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	Port	POS port	Default=7500 if not defined
	Username	POS login name	Required, no default
	Password	POS login password	Required, no default
	Timeout	POS activity timeout, in seconds	Default=60
<FTP>		Sub-element of <POS>	Only 1 is allowed
	Username	Login name for FTP connection to POS	Required for FTP use
	Password	Login password for FTP connection to POS	May be omitted or blank
	Port	Port number to use for FTP connection to POS	Default=21
	Timeout	FTP connection timeout, in seconds. This is a property of the FTP server, and the value here should match it.	Default=120
<MsgOptions>		Sub-element of <POS>	Only 1 is allowed
	Filling	1=Send filling messages, 0=Don't send	Default=1
	Status	1=Send status messages, 0=Don't send	Default=1
	Customer	1=Send customer messages, 0=Don't send	Default=1
	Operator	1=Send operator messages, 0=Don't send	Default=1
	Diagnostic	1=Send diagnostic messages, 0=Don't send	Default=0
<Pump>		Sub-element of <POS>	Multiples are allowed
	Number	Pump number (as reported in POS transaction messages)	Must be paired with a Port
	Port	Port number to use to send data from this pump to evServer	Must be paired with a Number
	CameraID	Camera providing JPEGs for this pump	Required for JPEG production

Below is a sample evTokheim.xml file:

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```
<evTokheim>
  <Options RetryIntervalSecs="60" LogImageTransfers="0"/>
  <NVR Address="127.0.0.1" Port="22609" User="evuser" Password="evpw">
    <POS Address="1.2.3.4" Port="7501" Username="myname" Password="mypw" Timeout="60">
      <FTP Username="myftpname" Password="myftppw" Port="21" Timeout="30" />
      <MsgOptions Filling="1" Status="1" Customer="1" Operator="0" Diagnostic="0" />
      <Pump Number="1" Port="6001" CameraID="12345"/>
      <Pump Number="2" Port="6002" CameraID="23456"/>
      <Pump Number="3" Port="6003" CameraID="34567"/>
<Pump Number="4" Port="6004" CameraID="45678"/>
    </POS>
    <POS Address="5.6.7.8" Username="myname2" Password="mypw2">
      <FTP Username="myftpname2" Password="myftppw2" />
      <Pump Number="1" Port="7001" CameraID="56789"/>
<Pump Number="2" Port="7002" CameraID="67890"/>
    </POS>
  </NVR>
</evTokheim>
```

1. After startup, the integration will check that it is connected to an exacqVision server with a Pro or Enterprise license. The integration will log whether the connection is successful with the following entries:

    - Connection started with Forecourt plug-in (if successful)
    - Forecourt plug-in shutting down, exacqVision professional or enterprise license not found (if unsuccessful)

2. The focus of the integration is the serial data that is passed to the exacqVision server, which is used to determine when to capture an image to be sent via the configured FTP settings. Images are captured after receiving a start of filling and end of filling message, for a total of two images per filling.

The following steps should be performed in exacqVision Client:

3. On the exacqVision server, select **Serial Profiles** from the tree.

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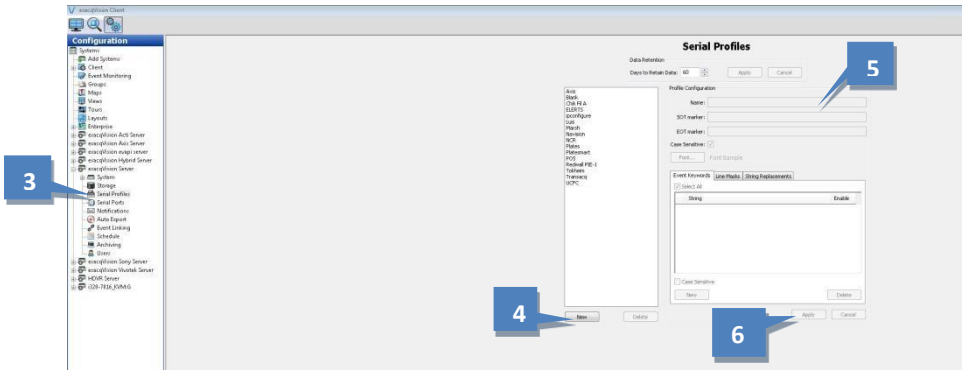
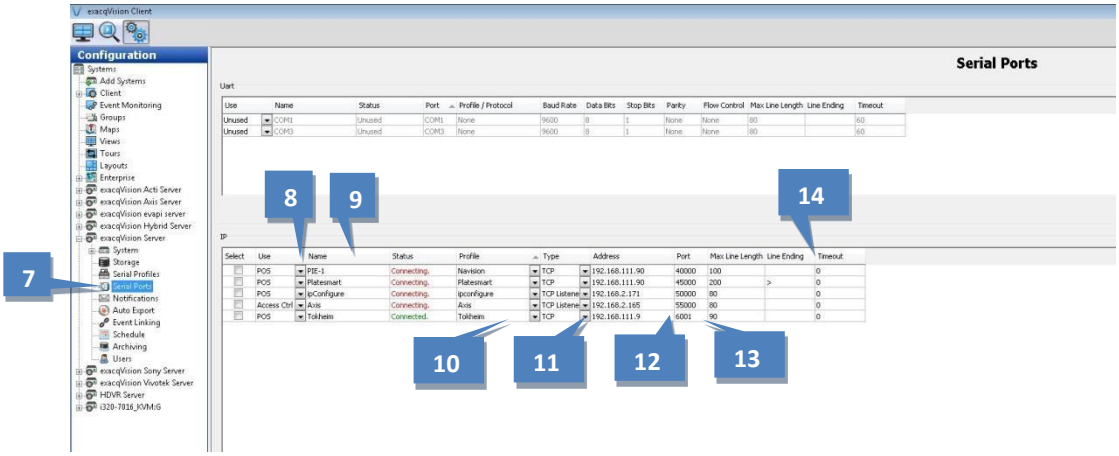
4. Click the **New** button under **Existing Profiles**.
5. Enter a new **Profile Name** such as **Tokheim**.
6. Click **Apply**.



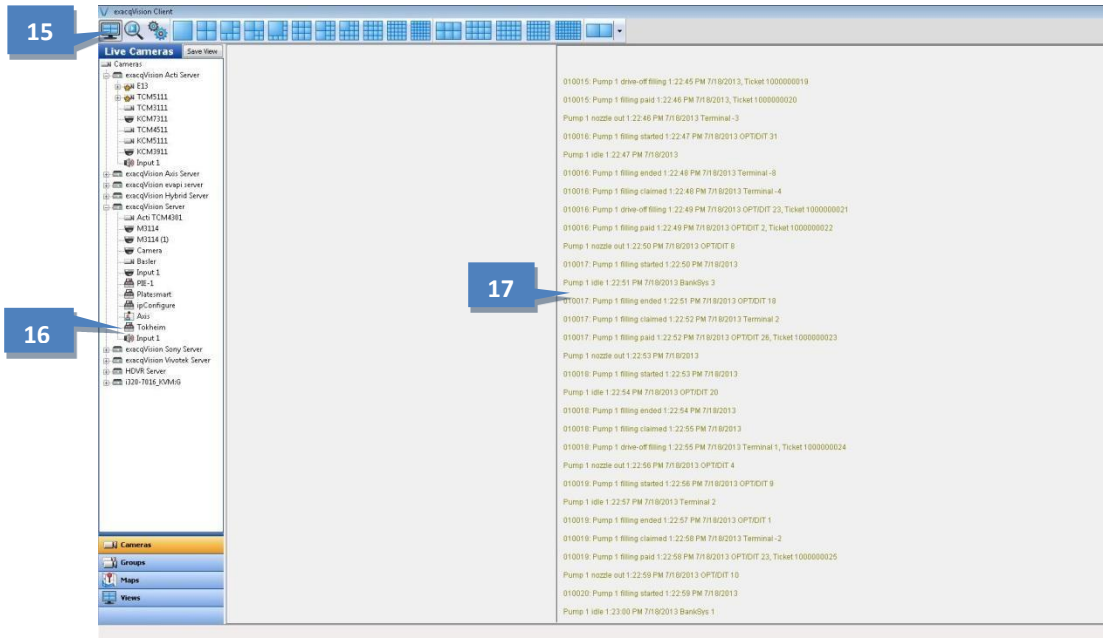
7. On the exacqVision server, select **Serial Ports** from the tree (see image below).
8. In the **Use** column, select **POS**.
9. In the **Name** column, select a name such as **Tokheim**.
10. In the **Profile** column, select the profile name you created earlier**.**
11. In the **Type** column, select **TCP**.
12. In the **Address** column, enter the address of the exacqVision server if Tokheim Forecourt is running on the server; otherwise, enter the address of the Tokheim Forecourt server.
13. In the **Port** column, enter the port configured in the evTokheim.xml file.
14. Leave the **Max Line Length**, **Line Ending**, and **Timeout** values at their default values. Click **Apply** when finished.



15. Click on the **Live Page** icon in the exacqVision menu bar:

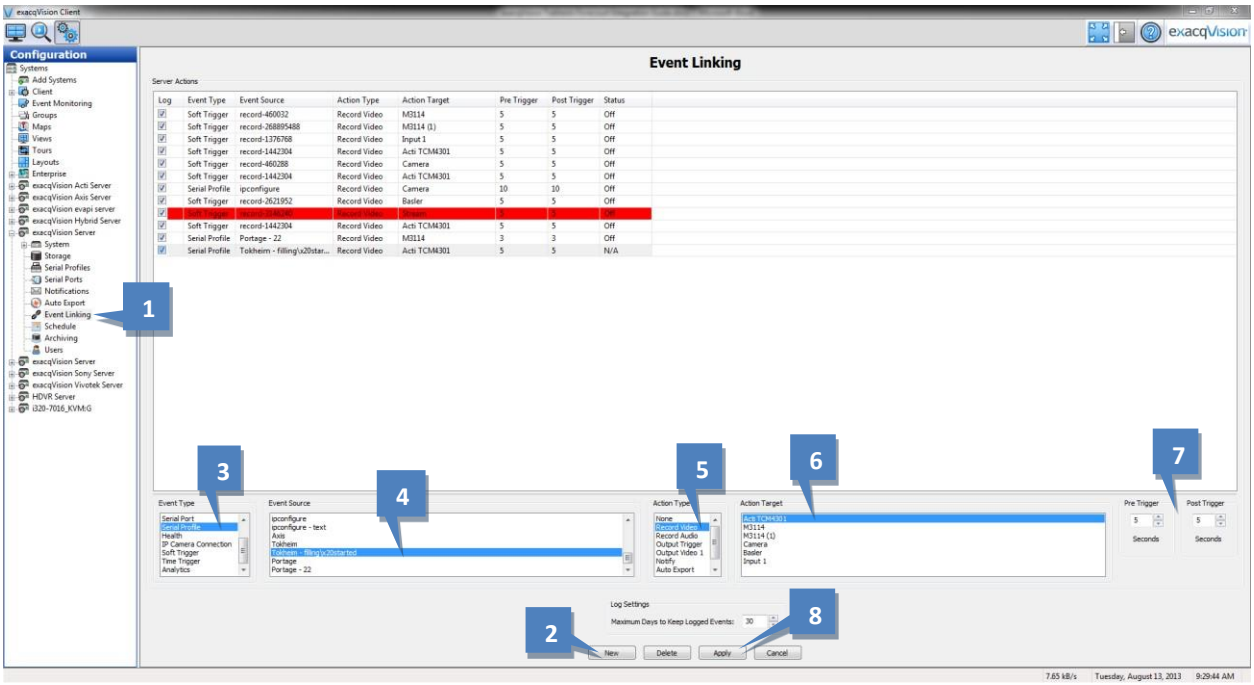
16. Double-click the name of the profile you created earlier to display it in the panel.
17. You should now see scrolling plate information overlaid on the live traffic lane camera.

Note: After you see the serial messages coming into the exacqVision system, check your FTP destination to make sure you are receiving images for the start and end of fillings.



Event links can be created in the exacqVision system to use a serial keyword to force a camera to start recording for example. To do this, follow these steps:

1. Select **Event Linking** from the system tree.
2. Click on **New**.
3. Select **Serial Profile** under **Event Type**.
4. Select the **Serial Profile** with the keyword created in the Tokheim profile under **Event Source**.
5. Select **Record Video** under **Action Type**.
6. Select your desired camera to **Record Video** under **Action Target**.
7. Change your values for **Pre Trigger** and **Post Trigger** if you prefer.
8. Click **Apply**.



The system will now record video on the selected camera with pre and post triggers each time the event keyword is received. For more information on event linking, please see the information in the help guide by pressing F1.

ExacqVision Technical Support

https://exacq.com/support/