

Guide to Powering Agent Vi Analytics on Genetec's VMS

**Vi-System 4.2 & Vi-Search 2.1
Omnicast & Security Center**

Genetec

Comprehensive Video Analytics Solutions

AGENT 

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1 Deployment and Configuration Overview

Agent Vi offer's two analytics solutions:

- Vi-System for real-time detection and alert
- Vi-Search for video search and analysis

Deployment and configuration procedures described in this guide are compatible with:

- Vi-System 4.2 and Vi-Search 2.1
- Genetec Omnicast versions 4.5-4.8
- Genetec Security Center version 5.1 SR1 SP2

Note: When descriptions / instructions apply to *both* Omnicast *and* Security Center, the term 'Genetec VMS' is used in this document. When they apply to either one or the other, the specific edition is explicitly referred to.

1.1 Deployment Configurations

The customer's video surveillance network infrastructure determines the deployment configuration to implement.

1.1.1 Optimized Deployment (with Embedded Vi-Agent)

If the customer's video surveillance infrastructure comprises Vi-Agents embedded in edge devices, each Vi-Agent receives the video stream from its device and extracts analytics features that are sent to Vi-Server (for real-time detection) and Vi-Search Server (for video search & analysis).

In this deployment configuration (for real-time detection), Vi-Agent Proxy (VAP) sends events to Genetec's VMS.

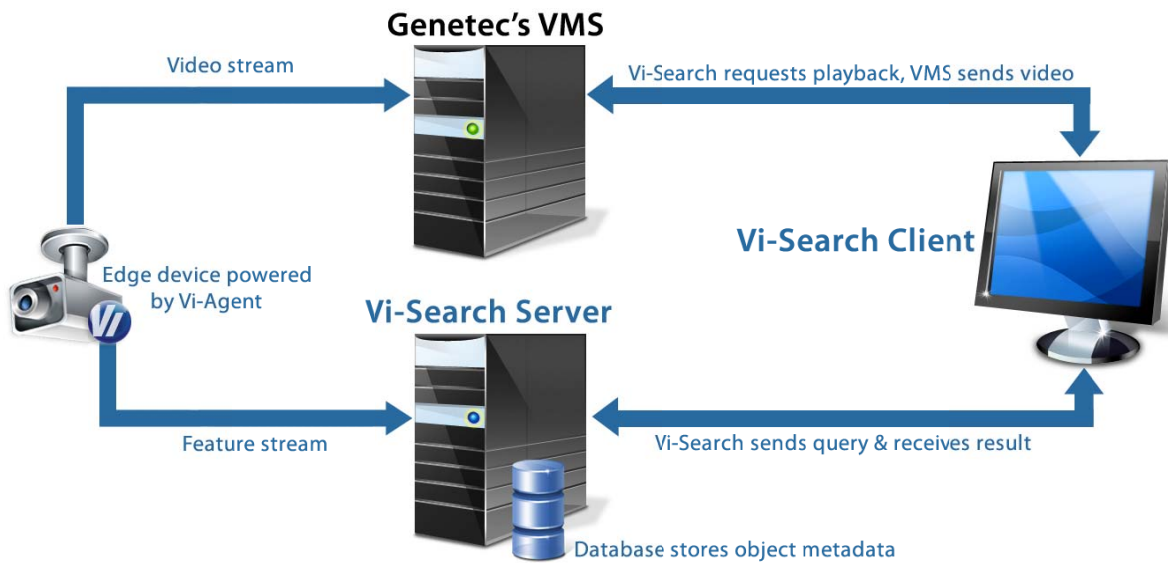
If real-time analytics *and* video search are deployed in the customer's network, then both [Figure 1-1](#) *and* [Figure 1-2](#) below apply.

Figure 1-1: Powering Real-Time Analytics with Vi-Agent Embedded IP Cameras



Contact [Agent Vi Support](#) for information on the specific edge device models supported with an embedded Vi-Agent.

Figure 1-2: Powering Search and Analysis with Vi-Agent Embedded IP Cameras



Contact [Agent Vi Support](#) for information on the specific edge device models supported with an embedded Vi-Agent.

1.1.2 Flexible Deployment (without Embedded Vi-Agent)

If the customer's video surveillance network infrastructure comprises cameras that don't support an embedded Vi-Agent, Vi-Agent Proxy (VAP) pulls video from Genetec's VMS, performs extraction of analytics features for processing by Vi-Server and Vi-Search Server, and sends events (see [Figure 1-3](#) and [Figure 1-4](#)).

If real-time analytics *and* video search are deployed in the customer's network, then *both* figures below apply.

Figure 1-3: Powering Real-Time Analytics with VAP (Vi-Agent Proxy)

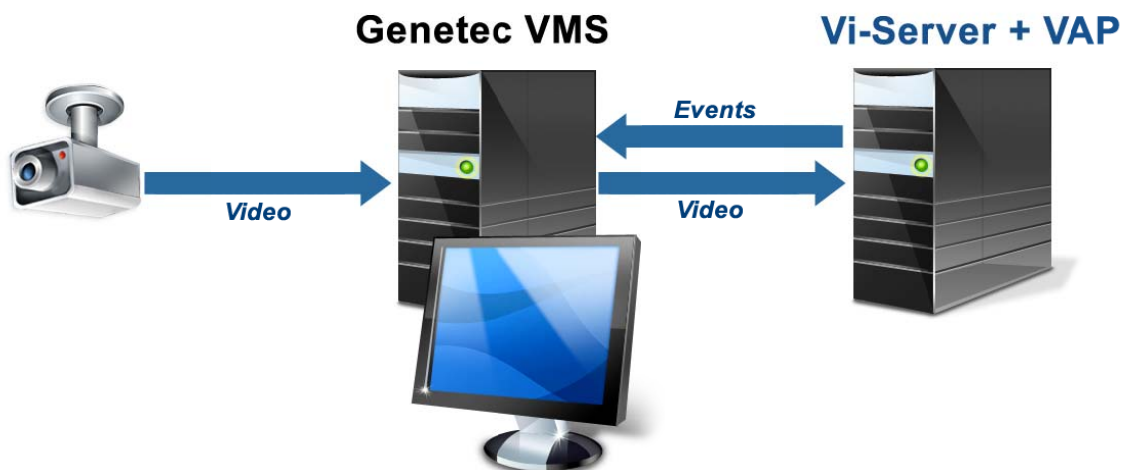
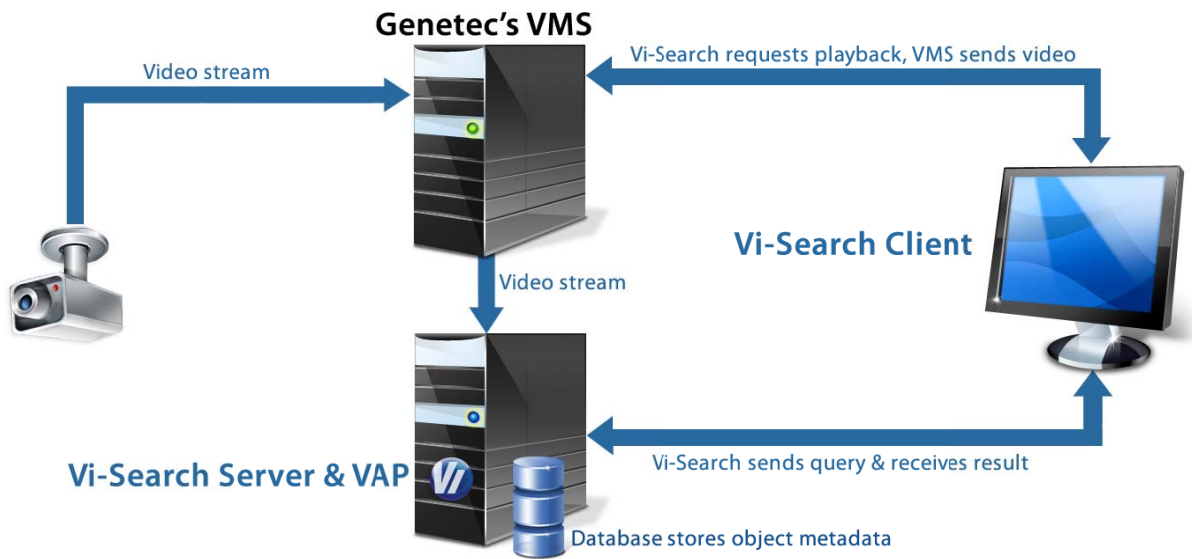


Figure 1-4: Powering Search and Analysis with VAP (Vi-Agent Proxy)



Additional VAP Deployment Guidelines

For additional guidelines on planning your VAP deployment, contact [Agent Vi Support](#).

1.2 Prerequisites

You'll require:

1. Genetec server installed with appropriate licenses to support analytics. See [Agent Vi Licensing Considerations](#).
2. A PC on which to install Vi-System components and Vi-Search

Note: Vi-System must not be installed on the same PC that Omnicast or Security Center are installed on.

3. When deploying Vi-Agent Proxy (VAP):
 - A dedicated server machine for VAPs when running more than one VAP. See [Defining Multiple VAPs](#) for installing multiple VAPs.
 - If VAPs pull video from Genetec in addition to sending event notifications, then Genetec's SDK of the relevant edition and version should be installed on the VAP PC.

1.3 Enabling Procedure

To enable analytics with Omnicast, follow this procedure:

1. On a PC, install Vi-System 4.2 (all features) (see [Installing Vi-System](#)); optionally, install Vi-Search 2.1 (see the Vi-Search Installation and Administration Guide 2.1).
2. Configure VAP/s (see [Configuring the VAP](#))
3. If you've deployed Vi-System (real-time analytics), configure Genetec to receive analytics events (see [Configuring Omnicast for Interoperability with Real-Time Analytics](#))
4. If you've deployed Vi-Search (video search and analysis), configure interoperability between Vi-Search and Genetec (see [Configuring Vi-Search for Interoperability with Genetec VMS](#)).

1.4 Agent Vi Licensing Considerations

Take the following licensing considerations into account:

- You must obtain camera activation licenses to match your analytics deployment
- You must obtain supplement rule-type licenses for your specific surveillance requirements
- You must obtain real-time analytics rule licenses if you deploy real-time detection
- You must obtain Vi-Search licenses if your deployment includes video search and analysis

1.5 Related Documentation

- Genetec Omnicast documentation downloadable from URL:
www.genetec.com/English/Documents
- Genetec Security Center documentation downloadable from URL:
<http://www.genetec.com/Publications/Pages/reference-documents.aspx>

2 Installing Vi-System

Note: For detailed information and system requirements, see the Vi-System Installation and Administration Guide 4.2.

➤ **To install:**

1. Run the supplied exe file; the Installation Wizard opens; the Wizard guides you through an intuitive setup process (click **Next** until the Setup Type screen opens).
2. Based on your deployment configuration and your requirements, you can perform (1) a **Complete** (full) installation of Vi-System (including VAP) or (2) a **Custom** installation (VAP only). Install VAPs on separate PCs if your deployment requires multiple VAPs (see [Defining Multiple VAPs](#))
3. In the Vi-Agent Proxy Setting screen, specify the number of VAPs required (see [Defining Multiple VAPs](#)).
4. In the Vi-Agent Proxy Service Launch Mode screen, check the radio button **Automatic**. When the computer boots up, the Vi-Agent Proxy **Service** automatically starts.
5. Click **Next** and **Install** until **Finish**.
6. Restart the machine when prompted by the Installation Wizard.

2.1 Post Vi-System Installation

After installing Vi-System:

- Install or upgrade to Vi-Search 2.1 if you're deploying Vi-Search
- On any PC that runs a Vi-Agent Proxy (VAP) or Vi-Search client, install the edition and version of the Genetec SDK that corresponds with the Genetec VMS.

2.2 Defining Multiple VAPs

The number of VAPs installed in a deployment depends on:

1. The deployment configuration (see [Deployment Configurations](#)). If the VAP is used only to send events and not to pull video from Genetec, a single VAP is sufficient.
2. The number of cameras deployed.
3. Your infrastructure; the types of edge devices deployed and their streaming profiles.
4. Your PC configuration; the number of VAPs you can install on a PC depends on how many processor cores your PC features; the maximum number of VAPs that can be deployed correlates with the number of cores.

3 Configuring the VAP

Before configuring the VAP, make sure that:

1. Vi-System and the VAP were installed (see [Installing Vi-System](#))
2. You've obtained a license from Agent Vi (see [Agent Vi Licensing Considerations](#))
3. You've added a site in Vi-Config (see the [Vi-System User's Guide 4.2](#))
4. You've added a VAP in Vi-Config (see the [Vi-System User's Guide 4.2](#))

Note: If you're planning to use this VAP as a Secondary VAP, don't further configure the **VAP Video Source** and **VAP sensors** as described in the next two subsections. For the required operations, see the [Vi-System User's Guide](#).

3.1 Defining the Video Source Type

➤ **To define the video source type:**


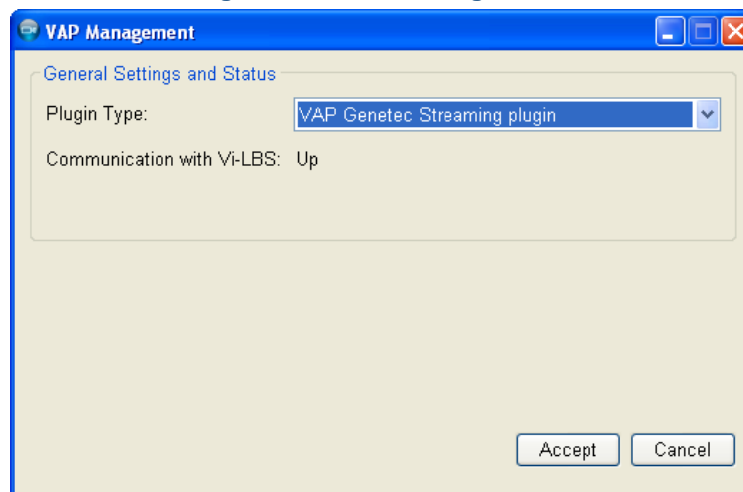
1. In the Vi-Config navigation tree, right-click the VAP icon() and click menu item **VAP Management**.
2. Specify **Plugin Type** as **VAP Genetec Streaming plugin**. Note that when deploying multiple VAPs on the same PC, their assigned **AMP ports** are 15050, 15052, 15054 and 15056 respectively (up to 4 VAPs).

Figure 3-1: VAP Management

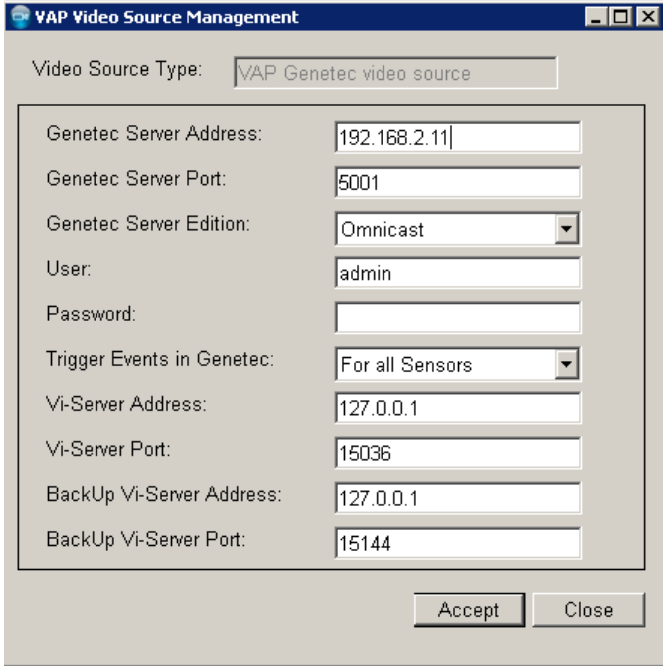


3. Click **Accept**.

3.2 Configuring the VAP Video Source

- To configure the VAP video source:
- 1. In the Vi-Config navigation tree, right-click the VAP icon () and click **VAP Video Source Management**; the screen below opens displaying the Genetec related parameters:

Figure 3-2: VAP Video Source Management



The screenshot shows a dialog box titled "VAP Video Source Management". At the top, there is a "Video Source Type" dropdown menu currently set to "VAP Genetec video source". Below this, there are several configuration fields:

- Genetec Server Address: 192.168.2.11
- Genetec Server Port: 5001
- Genetec Server Edition: Omnicast (dropdown menu)
- User: admin
- Password: (empty field)
- Trigger Events in Genetec: For all Sensors (dropdown menu)
- Vi-Server Address: 127.0.0.1
- Vi-Server Port: 15036
- BackUp Vi-Server Address: 127.0.0.1
- BackUp Vi-Server Port: 15144



At the bottom right of the dialog, there are two buttons: "Accept" and "Close".

- 2. Define the parameters in the VAP Video Source Management dialog; use [Table 3-1](#) as reference:

Table 3-1: VAP Video Source Management – Parameter Descriptions

Parameter	Description
Genetec Server Address	IP Address or host name of the server that Genetec's Omnicast is running on
Genetec Server Port	Genetec's VMS communication port number
Genetec Server Edition	Select Omnicast or Security Center based on the edition type deployed in your network.
User	Genetec's VMS User Name
Password	Genetec's VMS Password
Trigger Events in Genetec	Set to For all Sensors in order to send analytics events for all sensors in the system, i.e., Vi-Agent powered sensors as well as all VAP powered sensors. Set to Don't Send Events in order to disable sending all events. Set to For VAP Sensors Only in order to send events for this VAP's sensors only (and not for any other sensors in the system).
Vi-Server Address	The address of the Vi-Server you are connected to
Vi-Server Port	The port of the Vi-Server you are connected to.
BackUp Vi-Server Address	The address of the backup Vi-Server
BackUp Vi-Server Port	The port of the backup Vi-Server

➤ **To verify VAP communication status:**

- View the VAP icon in Vi-Config:
 - The icon displays a red cross  if communication with Vi-LBS or VMS is down
 - The icon displays a tick symbol  if communication with Vi-LBS and VMS is successful
 - Click VAP the icon; view additional status information displayed in the Vi-Config screen's status line (lowermost tray). For further details, see the Vi-System User's Guide (section 'Verifying VAP Communication Status').

3.3 Managing VAP Sensors

Note: Associating sensors with cameras applies only to cameras that do not feature embedded Vi-Agent (i.e., Flexible Offering).

➤ **To manage VAP sensors:**


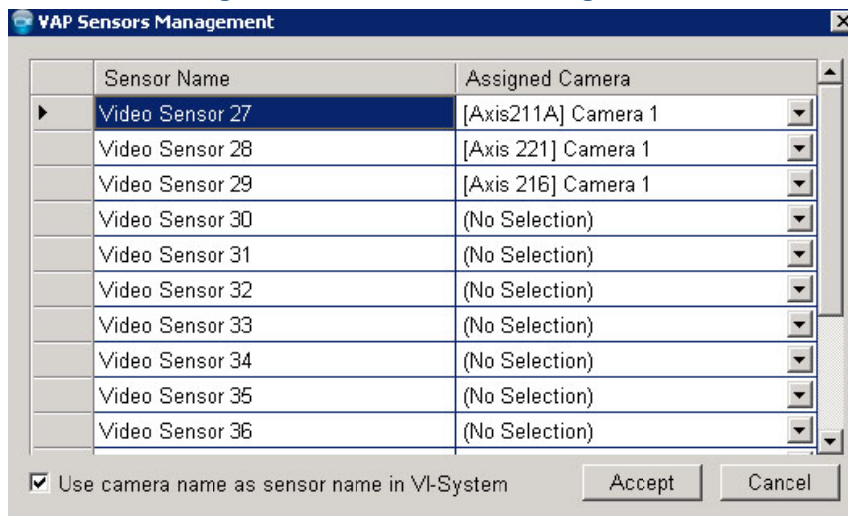
1. In the navigation tree, right-click the icon ; from the popup menu, choose **VAP Sensor Management**:

Figure 3-3: VAP Sensors Management



2. In the drop-down adjacent to each sensor, select the camera to assign to and click **Accept**.
3. Check **Use camera name as sensor name in Vi-System** to align the sensor name in Vi-System with the camera name in Omnicast or Security Center.
4. For the assigned sensors, right-click the sensor's icon in Vi-Config tree and choose option **View Video**; the video stream from the camera is displayed. If no video stream is received, see [Troubleshooting VAP Issues](#).

3.4 Mapping Vi-System Sensors to Genetec's Cameras

This section applies to users deploying edge devices with embedded Vi-Agent.



The section shows how to enable Vi-System and Vi-Search to obtain the camera identification in Genetec's VMS when deploying:

- Vi-Search, both with Genetec Omnicast and Genetec Security Center
- Vi-System real-time analytics with Genetec Security Center

If your deployment meets the above conditions, use **VMS Camera Mapping Tool** (accessible from **Vi-Config Tools** menu) to properly associate between Vi-System's sensors and Genetec cameras. For detailed information, see the Vi-System User's Guide 4.2.

3.5 Troubleshooting VAP Issues

Table 3-2: Troubleshooting VAP Issues

Problem	Corrective Action
<p>VAP Failure Status () indicating that communication with the Vi-LBS is 'Down'</p>	<ul style="list-style-type: none"> • Verify that the PC on which the VAP is installed is accessible from the LBS PC (if the VAP PC is installed on a separate PC). Ping it. • Verify that the VAP service is running.
<p>VAP Failure Status () indicating that communication with the VMS is 'Down'</p>	<ul style="list-style-type: none"> • Verify that Genetec VMS is active and accessible via its client software. • Confirm Genetec's identification and credential parameters in VAP Video Source Management dialog.
<p>VAP Failure Status () indicating that SDK Filter is not installed</p>	<ul style="list-style-type: none"> • Install the Genetec SDK edition and version that corresponds with the Genetec version deployed in your network.
<p>No Video: The VAP sensors were assigned to Genetec cameras but the VAP fails to retrieve video for all sensors.</p>	<ul style="list-style-type: none"> • If the VAP is installed on Windows Server 2008, verify that the Desktop Experience feature is enabled: Start → Server Management → Features → Add Features → select Desktop Experience <p>⇒ If you continue to experience problems and the VAP fails to retrieve video for some sensors, perform the corrective actions below</p>
<p>No Video: Some VAP sensors assigned to Genetec cameras fail to retrieve video while others successfully retrieve</p>	<ul style="list-style-type: none"> • Verify the camera video stream in one of Genetec's client applications. • Verify that the number of currently streaming channels does not exceed the number of "uncompressed video filters" licensed in Omnicast. • With Omnicast: Use Windows Media Player to verify the ability to retrieve video via the Genetec Omnicast SDK. Use this URL: omnp://<username>:<password>@<host>:<port>/?cam=<CameraLogicalID>&yuv=on <p>Example: omnp://admin:@192.168.2.100:5001/?cam=7&yuv=on</p> <p>Note: You can find the camera's Logical ID in the 'Identity' tab (the 1st tab) of the camera's properties in Omnicast's 'Server Config' application.</p>

Problem	Corrective Action
<p>No Events: Detection events, triggered by Vi-System rules, do not trigger alarms or other designated actions in Genetec.</p> <p>See Configuring Omnicast for Interoperability with Real-Time Analytics and Configuring Security Center to Interoperate with Analytics below.</p>	<ul style="list-style-type: none"> • Verify in VAP Video Source Management that the VAP is configured to send events to Genetec. • If Vi-Server is installed on a different PC, verify in VAP Video Source Management that the server IP address and port are defined correctly. • In Vi-Setup, verify that the detection rule has an External Rule ID identical to the value of the designated Genetec custom event. • In Genetec's Config Tool, verify that the required action (e.g., alarm) is correctly defined for the same custom event. • Verify that the action can be triggered, unrestricted by schedules or other factors. • If necessary, reconstruct the triggering sequence from the beginning, from the Vi-System rule to the Genetec action, using a new custom event.

4 Configuring Omnicast for Interoperability with Real-Time Analytics

4.1 Verifying Licenses

Verify that you have the necessary licenses to get video streams from Omnicast.

1. Open Omnicast Admin and log in.

Important

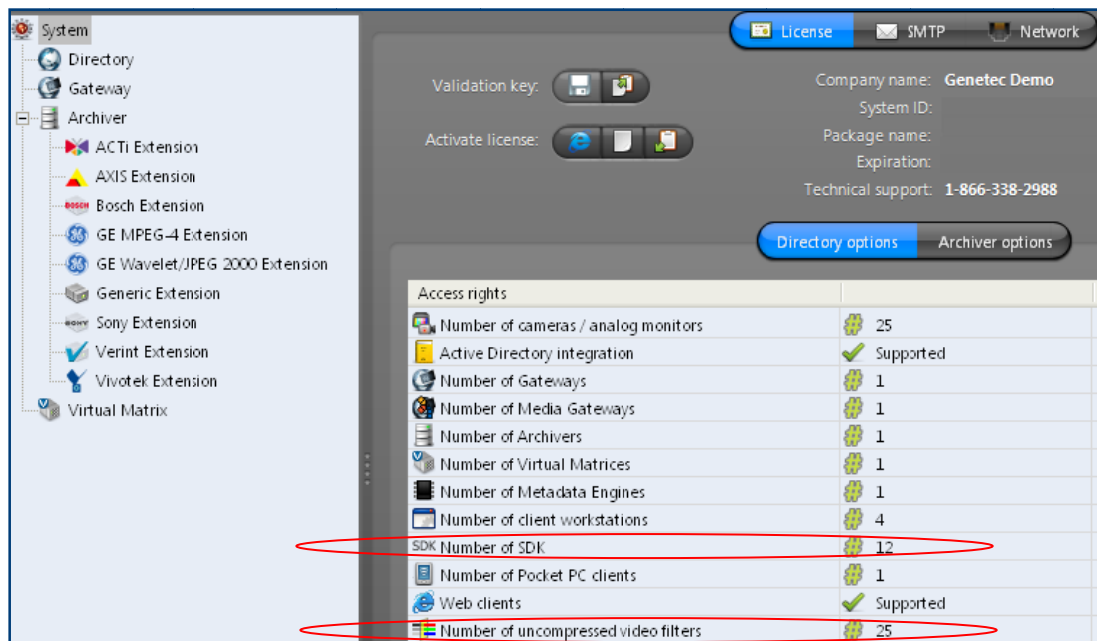
When entering Genetec's Omnicast for the first time, the initial **username** and **password** is:

username: admin
password: (empty password)

2. Select **System** in the tree view.
3. Click the button **License** (located in the uppermost right corner of the screen).
4. If your deployed Omnicast version is earlier than 4.8, verify that **Number of Uncompressed Video Filters** is listed and that the number is the same as the number of camera streams to get from the Omnicast server through the VAP (see Figure 4-1).
5. Verify that **Number of SDK** is listed (see Figure 4-1); for every VAP, an SDK license is required and for every Vi-Search client GUI, an SDK license is required. For example, if you're using 3 VAPs and one Vi-Search client GUI, you'll require 4 SDK licenses.

If you haven't obtained these licenses from Genetec, interoperability of Agent Vi's VAP with Genetec's Omnicast will be unsuccessful.

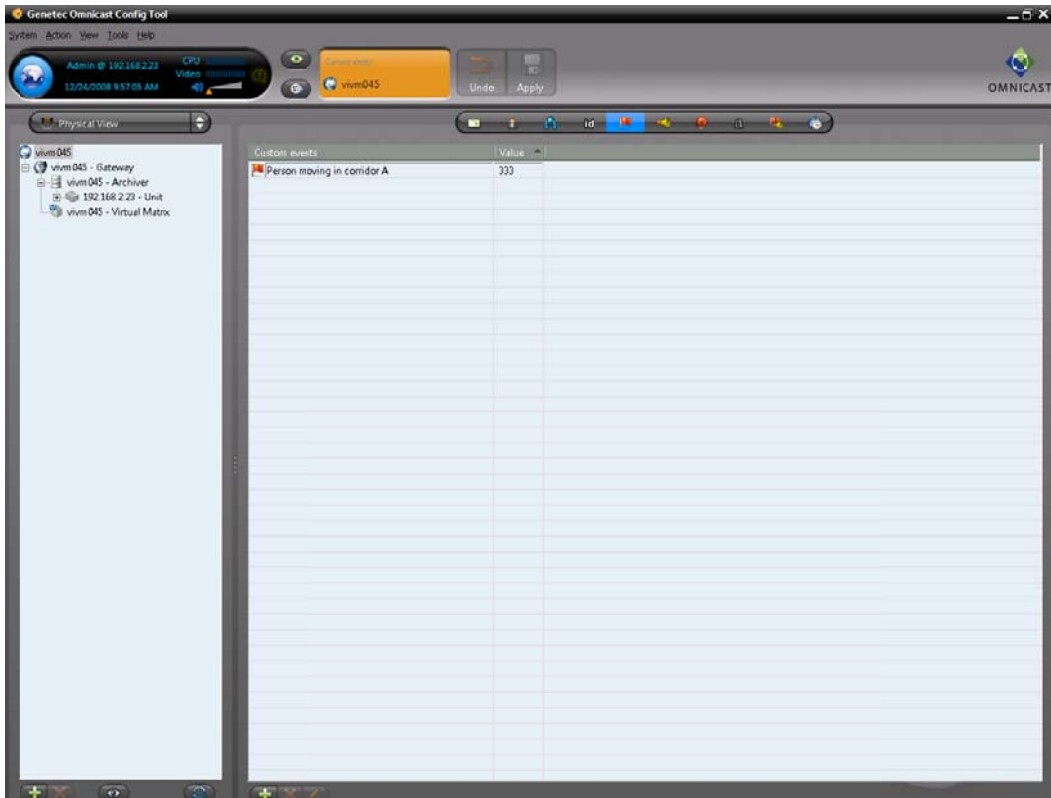
Figure 4-1: Genetec Omnicast Admin - Number of Uncompressed Video Filters



4.2 Defining a Custom Event

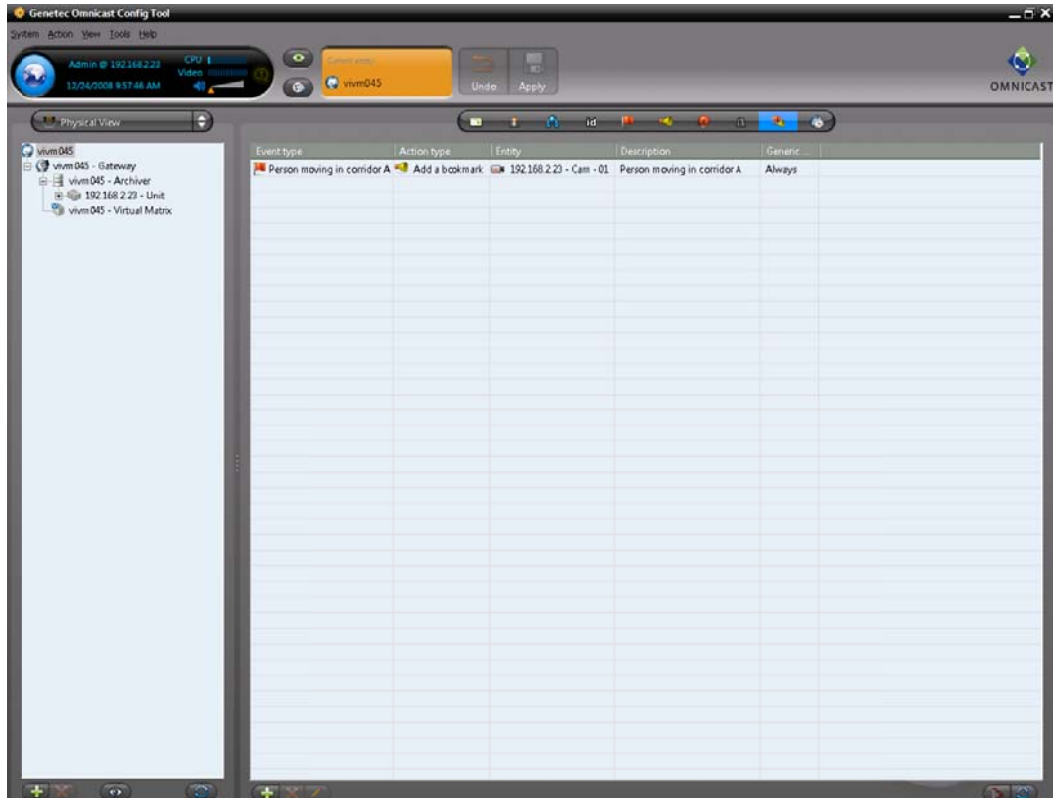
1. Open the **Omnicast Config Tool** (see Figure 4-2) and select **Physical View**.
2. Select **Root node** in the tree view and click the button **Custom Events**.
3. Define a **Custom Event** including its **ID** (see Figure 4-2)

Figure 4-2: Genetec Omnicast Config Tool – Defining a Custom Event



4. Click **Actions** and define an **Action**, e.g., a **Recording Bookmark**, to be activated when the **Custom Event** is triggered.

Figure 4-3: Genetec Omnicast Config Tool – Defining the Action ‘Bookmark’



5. Define the **ID** of the **Custom Event**. Make sure that the **External Rule ID** you define for the analytics rule in Vi-Setup *is identical to this value*; when Vi-System triggers an event for the rule, the **Custom Event** and its **Action** are triggered in Omnicast.
6. View events and recording bookmarks in **Omnicast Live Viewer** and **Omnicast Archiver Player**.

Figure 4-4: Viewing Events and Bookmarks in Omnicast Live Viewer

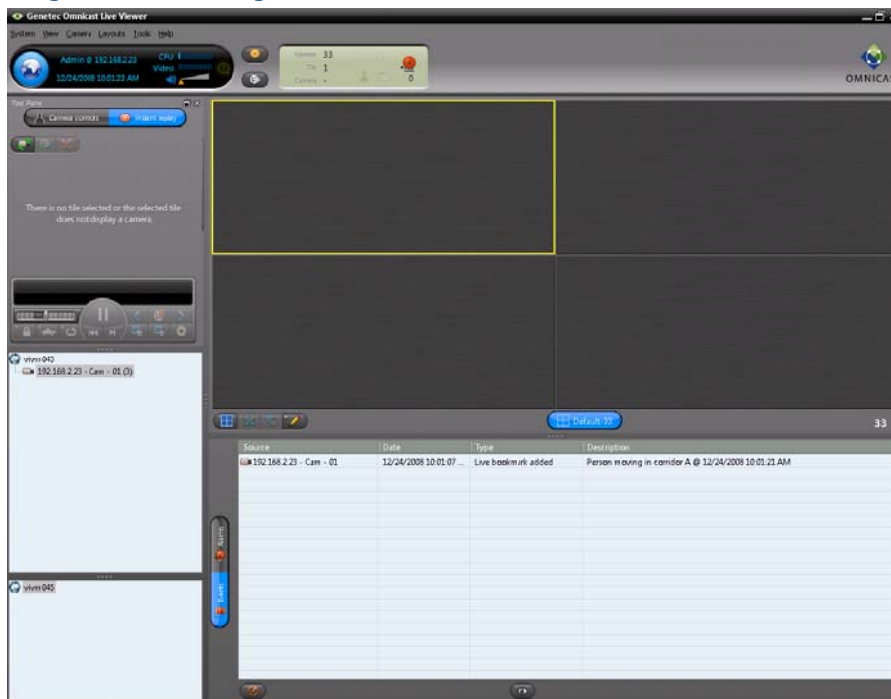
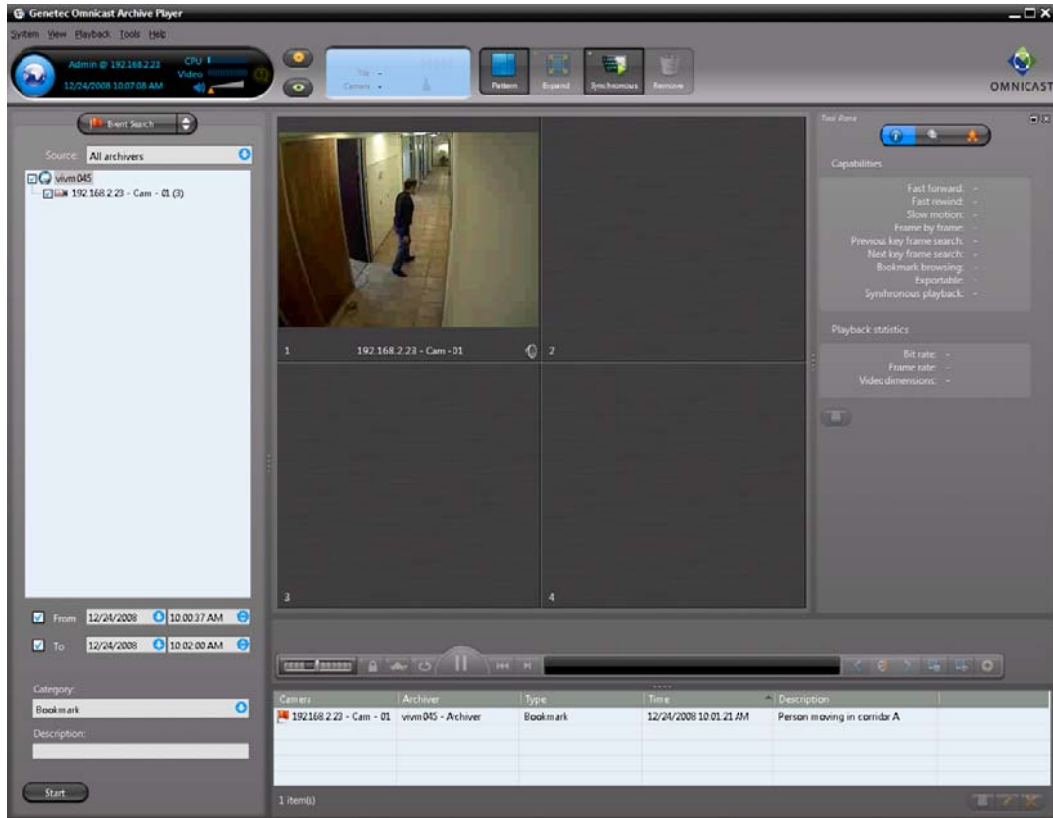


Figure 4-5: Viewing Events and Bookmarks in Omnicast Archive Player



4.3 Replacing a Camera

If a camera is removed and replaced by a new camera, new analytics rules must be defined on the camera and new linkage must be performed between Genetec Omnicast and the new rules.

5 Configuring Security Center to Interoperate with Analytics

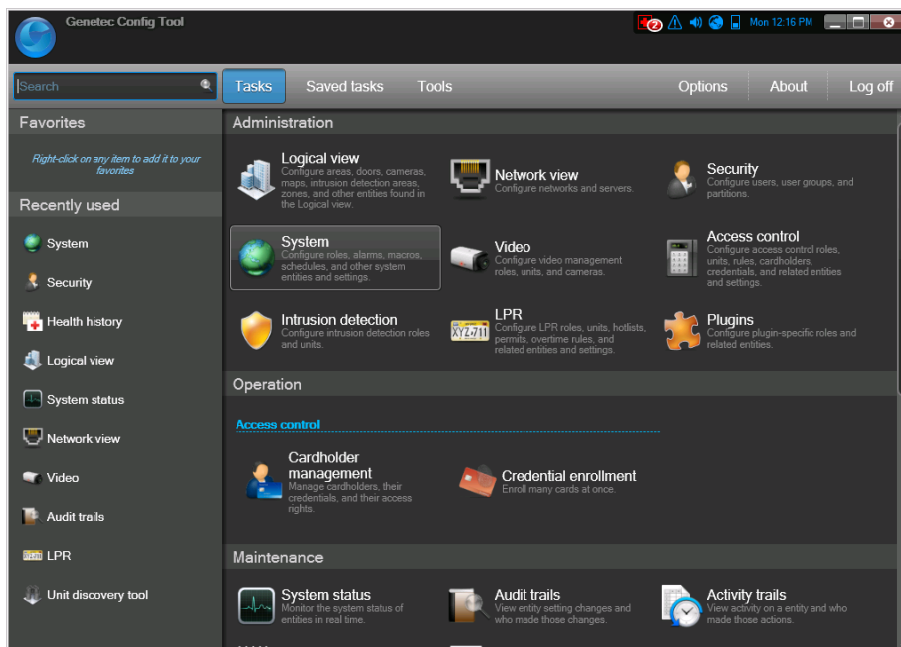
In the Security Center, Web SDK Role must be enabled for Genetec to interoperate with analytics.

5.1 Enabling Web-based SDK Role in the Security Center

➤ **To enable the Web-based SDK Role in Security Center:**

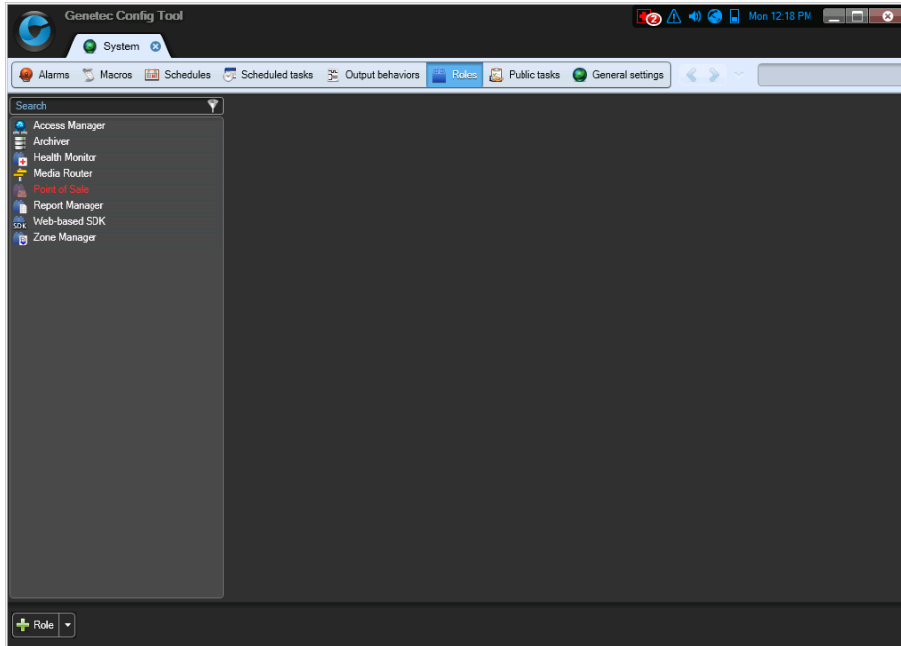
1. Open the **Security Center Config Tool** and log in.
2. Click the **Home** button in the uppermost left corner.

Figure 5-1: Security Center Config Tool



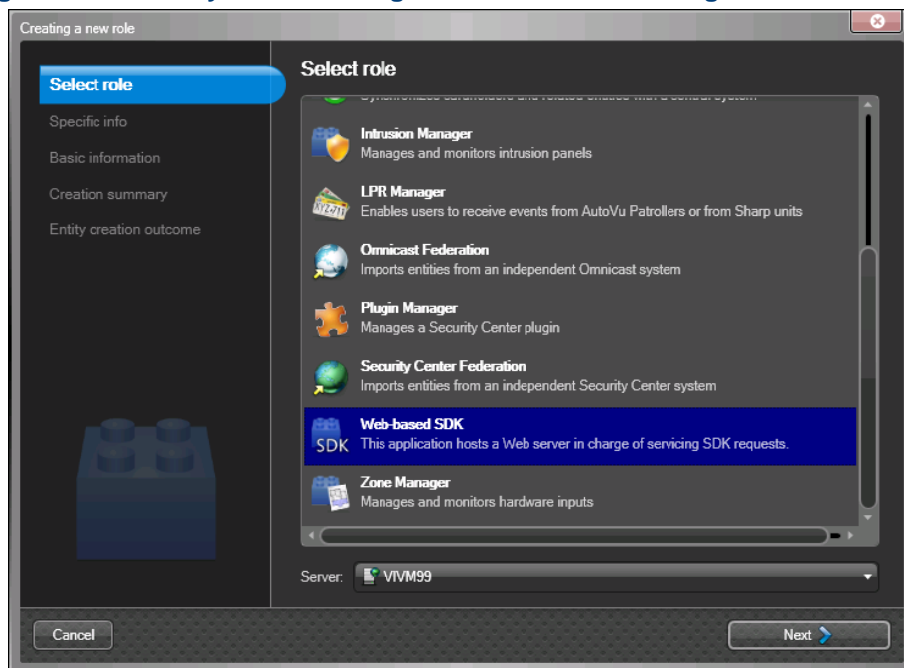
3. Click the **System** icon.

Figure 5-2: Security Center Config Tool – Roles



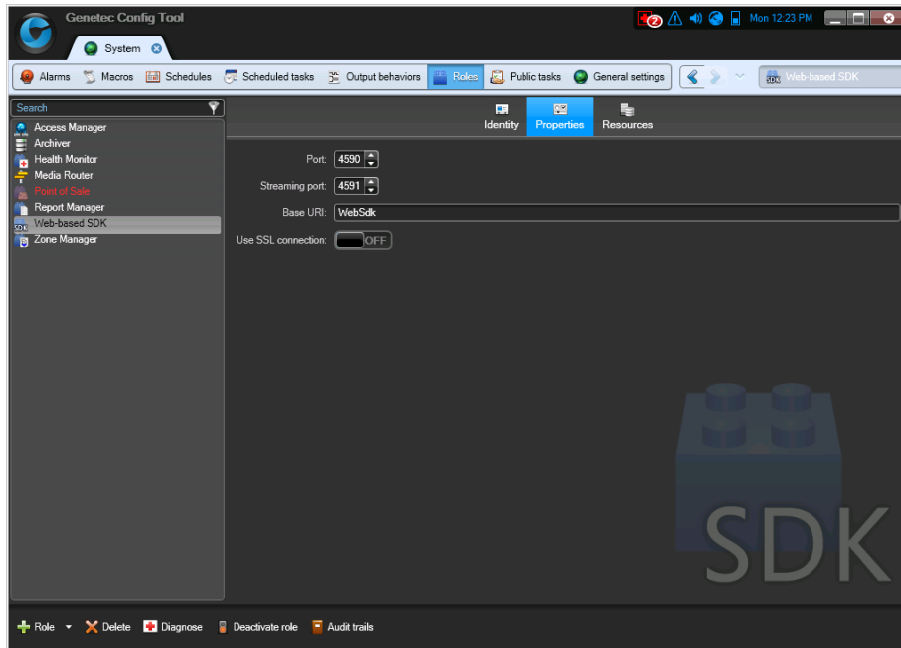
4. Click the **Roles** tab; if the Web SDK Role was already defined, it will appear in the roles list. If not:
5. Click the **+ Role** button in the lowermost left corner and select the 'Web-based SDK' role from the list.

Figure 5-3: Security Center Config Tool – Roles – Selecting 'Web-based SDK'



6. In the 'Entity Name' field, enter **WebSdk**
7. Click the **Next** button.
8. Click the **Create** button; the new role appears in the roles list:

Figure 5-4: Security Center Config Tool – Roles – New Role Listed



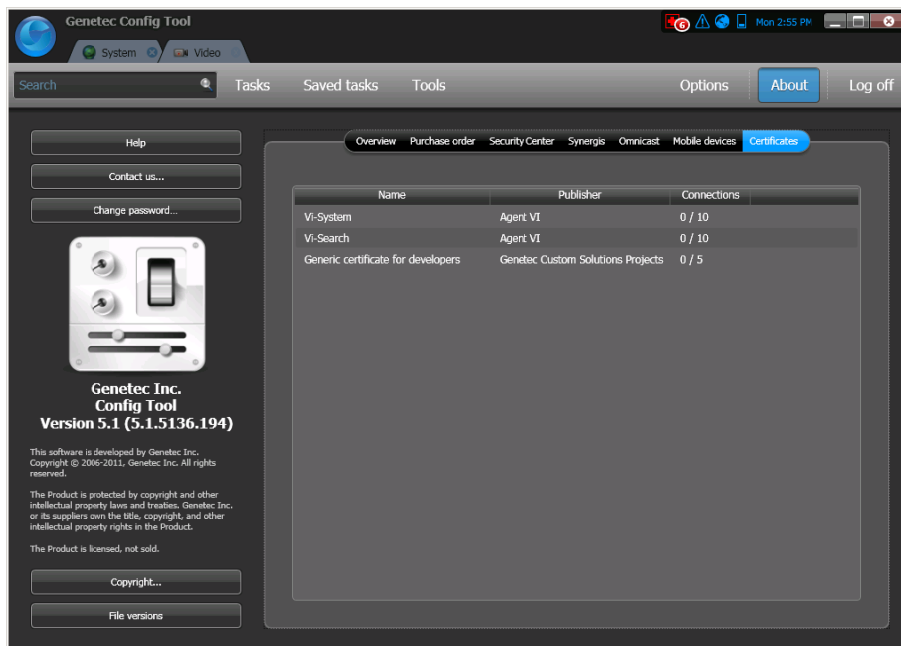
5.2 Verifying Licenses and Certificates

Important

When you acquire your license from Genetec, specify the specific Agent Vi Vi-System SDK connection license part number **GSC-1SDK-AGENTVI-Vi-System**. Order the same number of SDK connection licenses as the number of Vi-System VAPs plus 1. Optionally, obtain Vi-Search certificates as indicated below.

- **To verify the SDK connection licenses for Vi-System:**
 1. Open the **Genetec Security Center Config Tool**; when entering Genetec's Security Center for the first time, the initial **username** and **password** are:
 - **Username:** admin
 - **Password:** (empty password)
 2. From the main menu select **About**
 3. In the **Certificates** tab of the License Information screen, verify that the number of Vi-System certificates is sufficient, i.e., equal to the number of VAPs plus 1. If you're using Vi-Search, the number of Vi-Search certificates (part number **GSC-1SDK-AGENTVI-Vi-Search**) must match the number of Vi-Search clients you're planning to deploy.

Figure 5-5: Security Center - Config Tool – License Information – Certificates



5.3 Triggering Analytics Alarms in Security Center

You can design the integration between Vi-System and Genetec Security Center using different methods but the key principle common to all is that Vi-System triggers Custom Events in Genetec Security Center which then trigger different actions within Security Center.

Following is the most commonly used method of enabling alarms to be received In Genetec **Security Desk**:

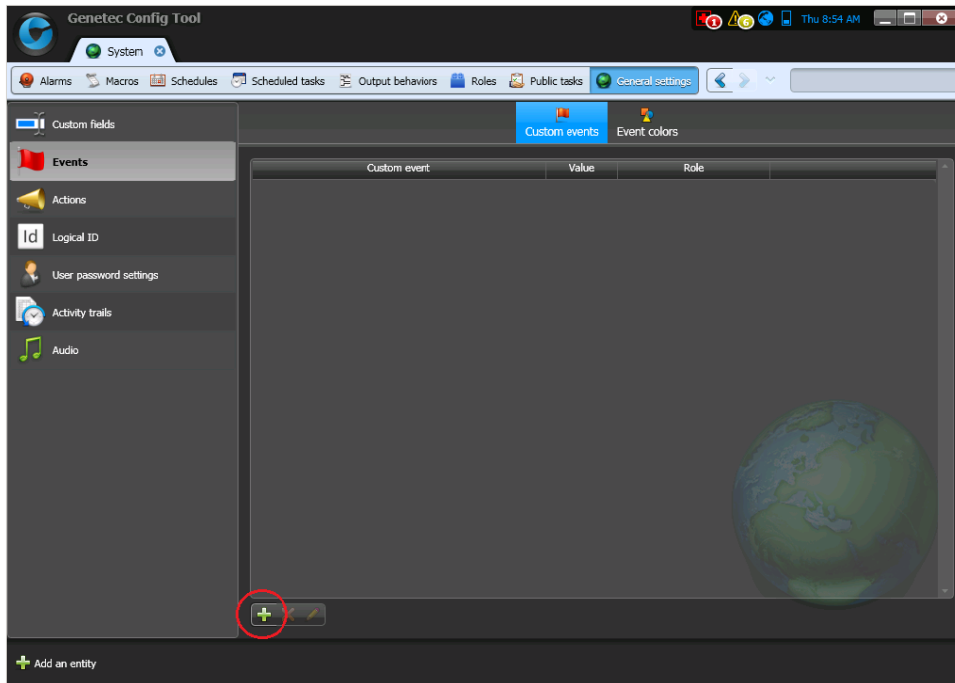
1. Define a Genetec **Custom Event** for each Vi-System rule type you're deploying in your environment. For example, if you're implementing **Person Moving**, **Vehicle Moving** and **Suspicious Object** rule types, define three Genetec Custom Events, each corresponding to a rule type. [It does not matter if the rule type is configured on a single or multiple Vi-System sensors; in both cases, it's sufficient to define one Custom Event for this rule type].
2. Define a Genetec **Alarm** for each Vi-System rule type that you are deploying in your environment. Following the above example, you need to define 3 alarms.
3. Define Genetec **Actions** that cause each of Custom Events to trigger its corresponding Alarm.

In the steps below, a single rule type **Person Moving** is used as an example. This process must be repeated for each rule type you implement.

➤ To define a Custom Event:

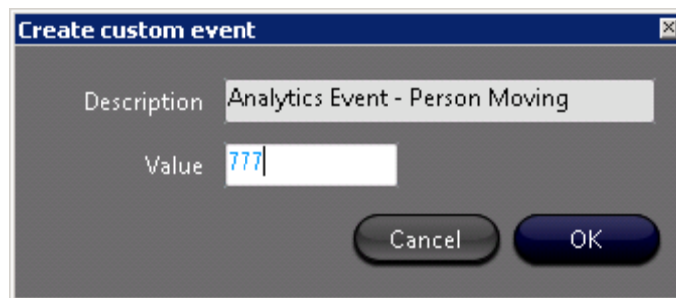
1. Log in to the **Security Center Config Tool**.
2. Click the 'home' button in the uppermost left corner.
3. Select **Tasks** from the upper menu.
4. Select **System** (under the **Administration** section).
5. Select **General Settings**.
6. Select **Events > Custom events**.

Figure 5-6: Defining a Custom Event in Security Center Config Tool



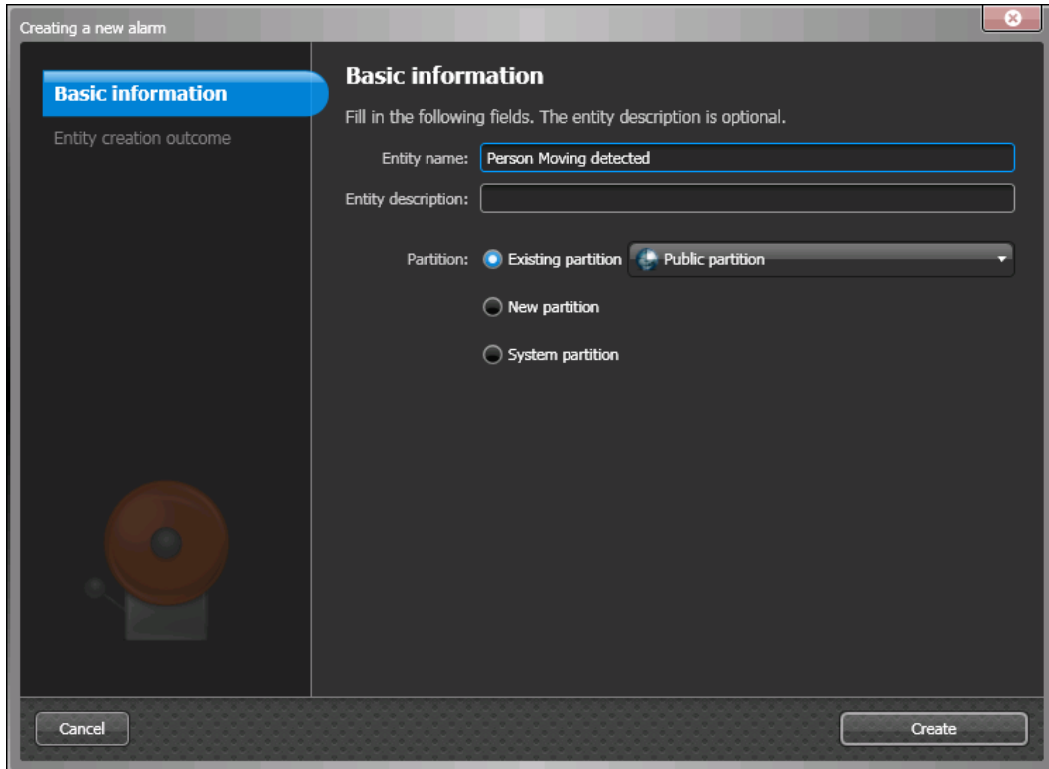
7. To **Add** an item: click the '+' sign (circled red in the above screen).
8. When prompted with the Create dialog, define a meaningful name for the event that corresponds to the rule type. Also, capture the **Custom Event ID** ('Value' field) since you need to use this ID in Vi-System rule settings. In this example, the value is **777** (can be set automatically by the application or defined by the user).

Figure 5-7: Security Center - Config Tool – Defining a Custom Event



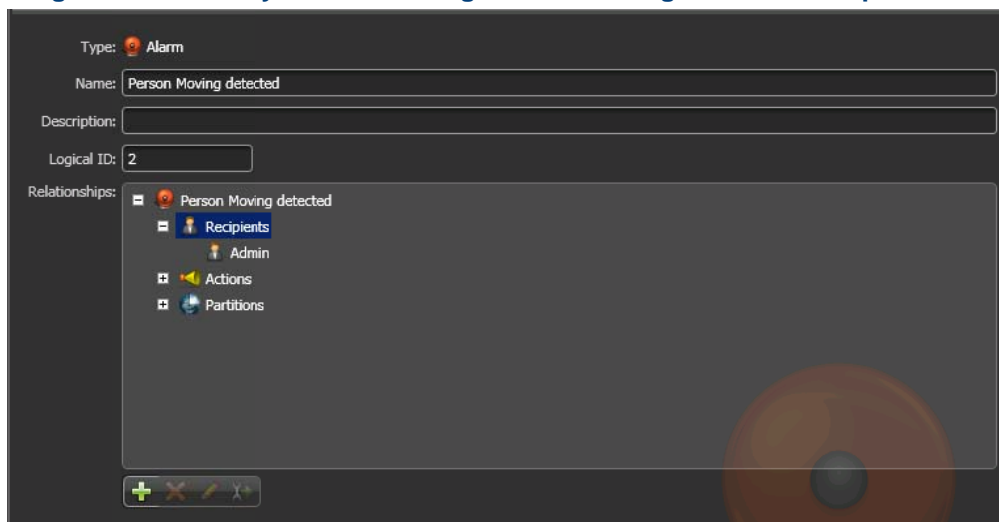
9. Click **OK** and **Apply**.
- **To define an Alarm:**
1. From the top level **System** tab, click **Alarms**.
 2. Add a new alarm (click the + sign).
 3. Enter the entity name. Make sure to provide a meaningful name, e.g., Person Moving detected, as it's later shown in Genetec Security Desk when the alarm is received.

Figure 5-8: Security Center - Config Tool – Defining an Alarm



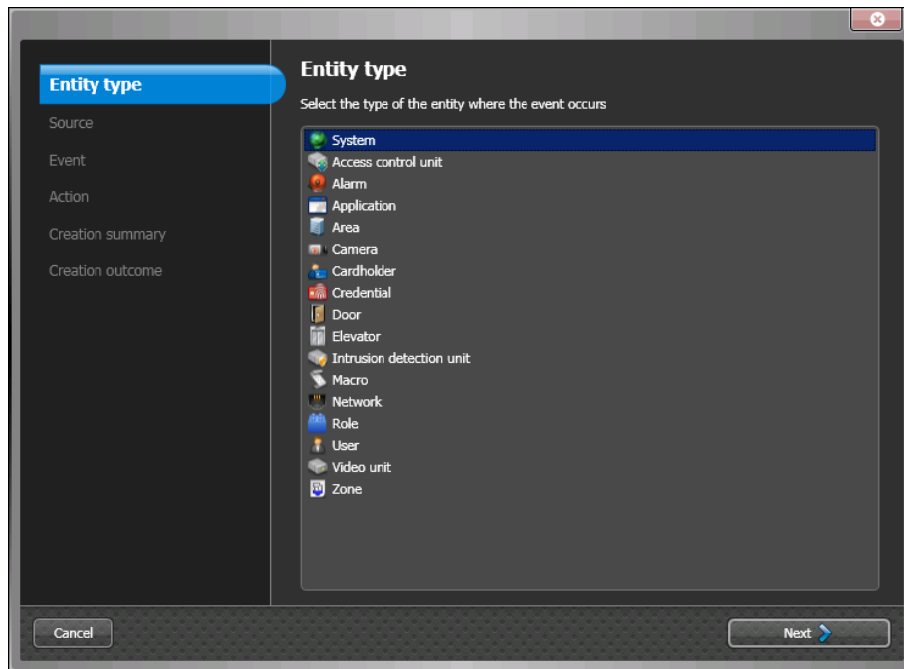
4. Click **Create** then **Close** and **Apply**.
5. Select recipient(s) for the alarm: add the Security Center's user (the login username) and click **Apply**.

Figure 5-9: Security Center - Config Tool – Defining an Alarm Recipient



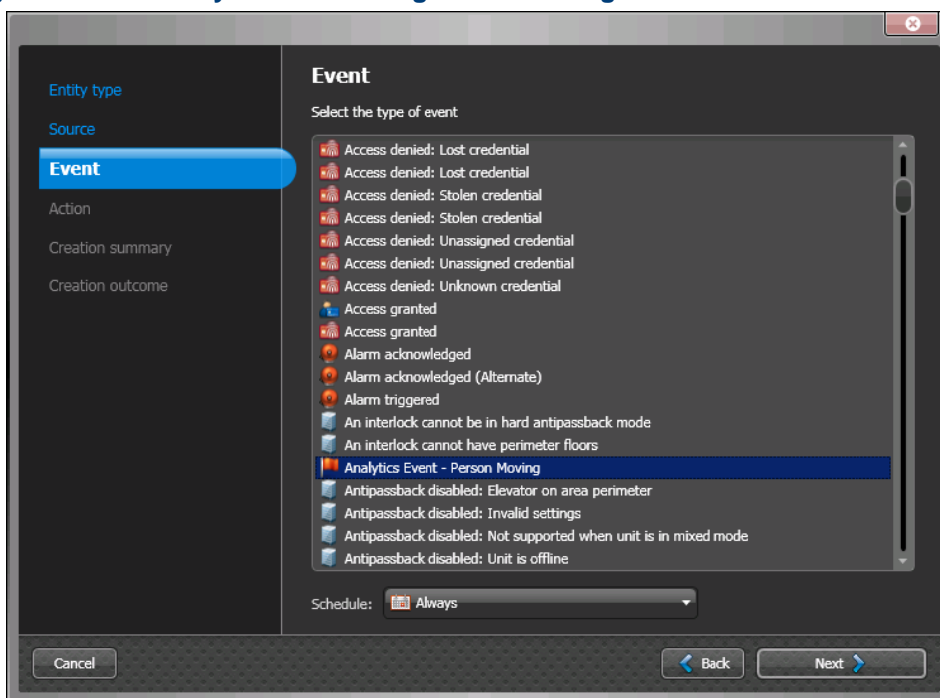
- **To link the Custom Event to an Alarm:**
1. Select the **General Settings** tab.
 2. Select **Actions** and click the **+** below the Actions table to insert an item. The Actions wizard pops up.
 3. Select **System**.

Figure 5-10: Security Center - Config Tool – Linking the Custom Event to an Alarm (1)



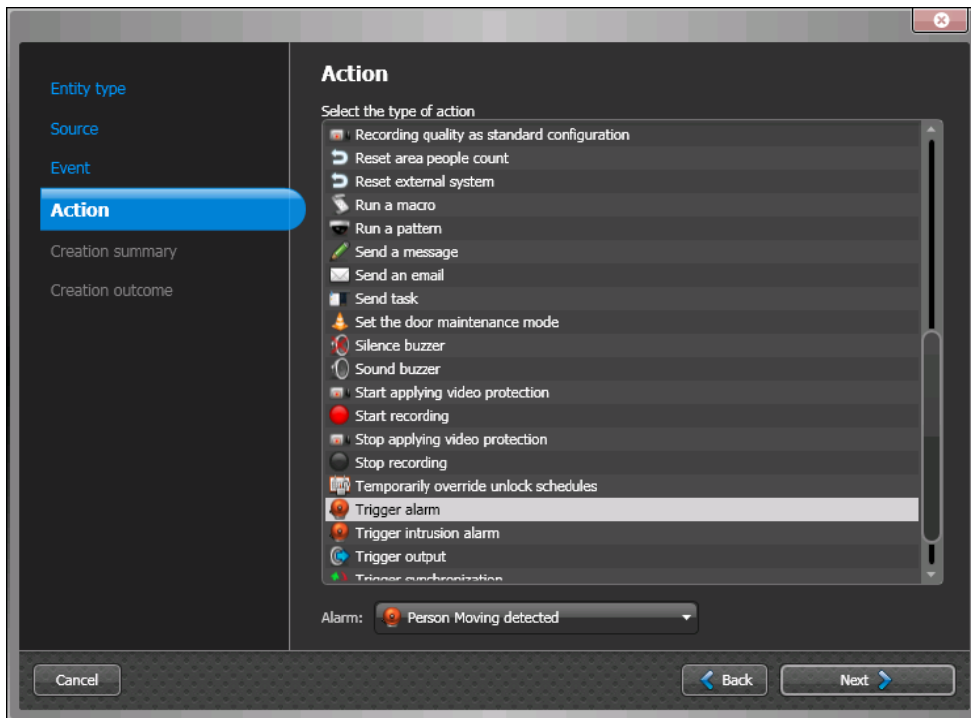
4. Click **Next** and in the Event Types list, find the previously added Custom Event according to its Description. Select it.

Figure 5-11: Security Center - Config Tool – Linking the Custom Event to an Alarm (2)



5. Click **Next** and select **Trigger Alarm** from the **Action** list, and the alarm you defined earlier from the **Alarms** drop-down.

Figure 5-12: Security Center - Config Tool – Linking the Custom Event to an Alarm (3)



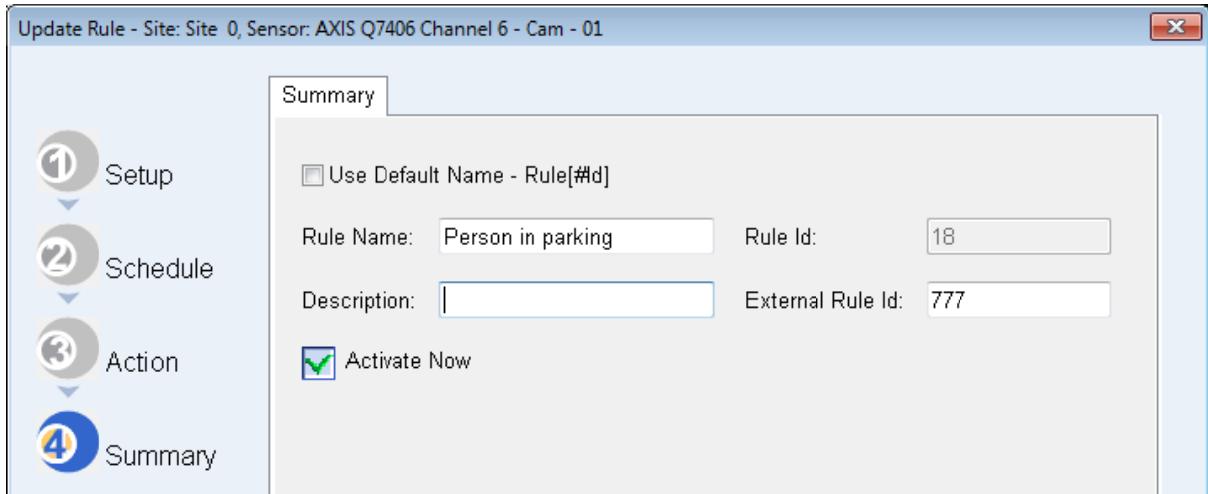
6. Click **Next** and in the Creation Summary window, click **Create**.
7. Click **Close** to save the configuration changes.

5.4 Linking Vi-System and Genetec Security Center Events

To link Vi-System analytics events with **Genetec Security Center Custom Event** define the same value for **External Rule ID** as for **Logical ID** which you defined in the **Genetec Security Center**, e.g., 777.

Configure **External Rule ID** in the Rule Wizard in Vi-Setup as follows:

Figure 5-13: Define 'External Rule ID' in Vi-Setup



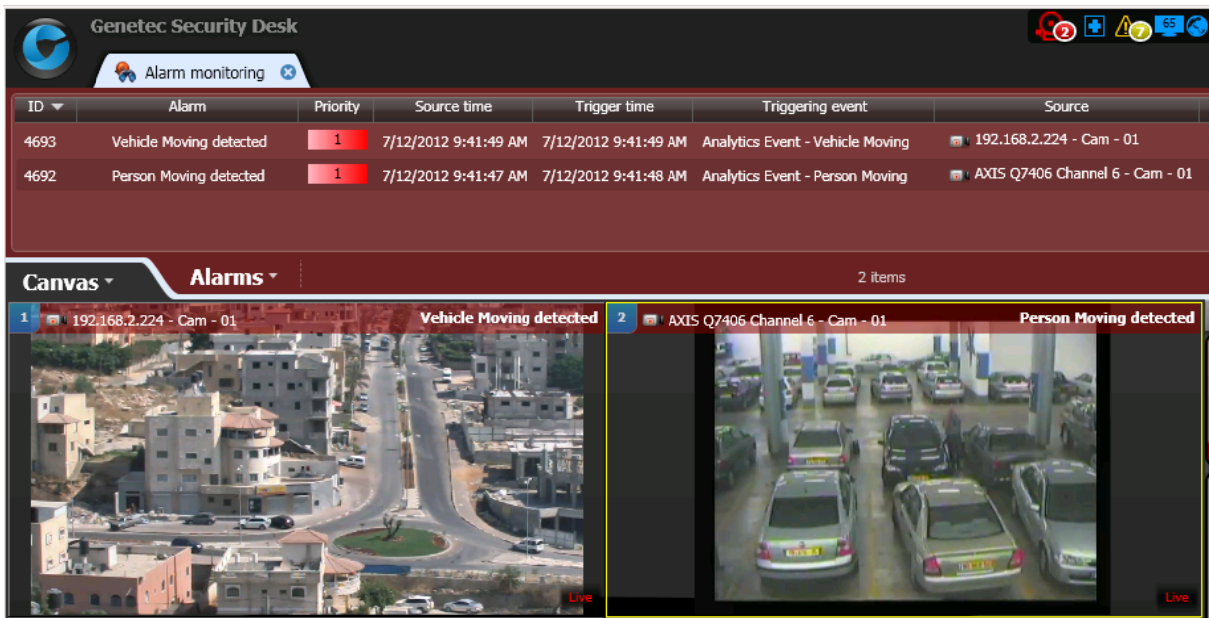
5.5 Viewing Alarms in Security Desk

This section shows how to view event alarms in Genetec Security Desk and thereby verify successful analytics integration.

➤ **To view Alarms:**

1. Log in to **Security Desk**.
2. Click the 'home' button in the uppermost left corner.
3. Access **Operation > Alarm Monitoring** to see the Alarms list, and below it, in the 'Canvas' area, the live scenes from the related cameras.

Figure 5-14: Viewing Alarms in Security Desk



5.6 Triggering Additional Actions in Security Center

The sections above show the basic process for triggering Alarms in Genetec Security Desk. You may choose, however, to take advantage of Genetec's advanced actions that can be triggered, based on Vi-System analytics events.

The subsection below shows how to configure some common actions. In all cases, it's assumed that:

- You defined a **Custom Event** to trigger a specific action.
- Vi-System's analytics rule to trigger Genetec's action is linked with Genetec's Custom Event. This is done by specifying the Custom Event ID as the Rule's External ID.
- You navigated to the **Actions** tab (available from **General Settings**)
- You selected the relevant Custom Event and you're at the stage of specifying the **Action**.

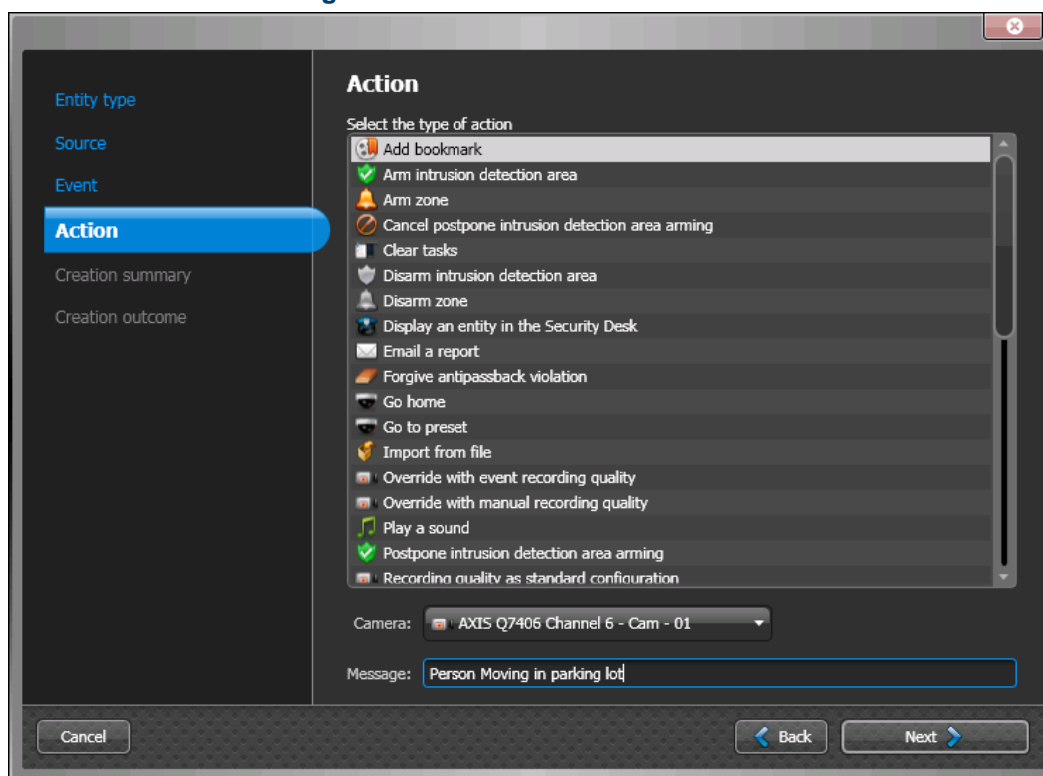
5.6.1 Creating a Recording Bookmark

Creating bookmarks can be useful if you want to navigate your recordings based on previous analytics events.

➤ **To create a bookmark based on analytics event:**

1. Select **Add bookmark** from the Actions list.
2. From the 'Camera' drop-down menu, select the camera for which the recording bookmark must be created. It's likely that this camera is the same camera that triggered the analytics event in Vi-System, though this is not mandatory.
3. Define the **Message** that will be attached to the bookmark. You'll later be able to locate the bookmark in **Security Desk** using this name.
4. Click **Next** and **Create**.

Figure 5-15: Create Bookmark Action



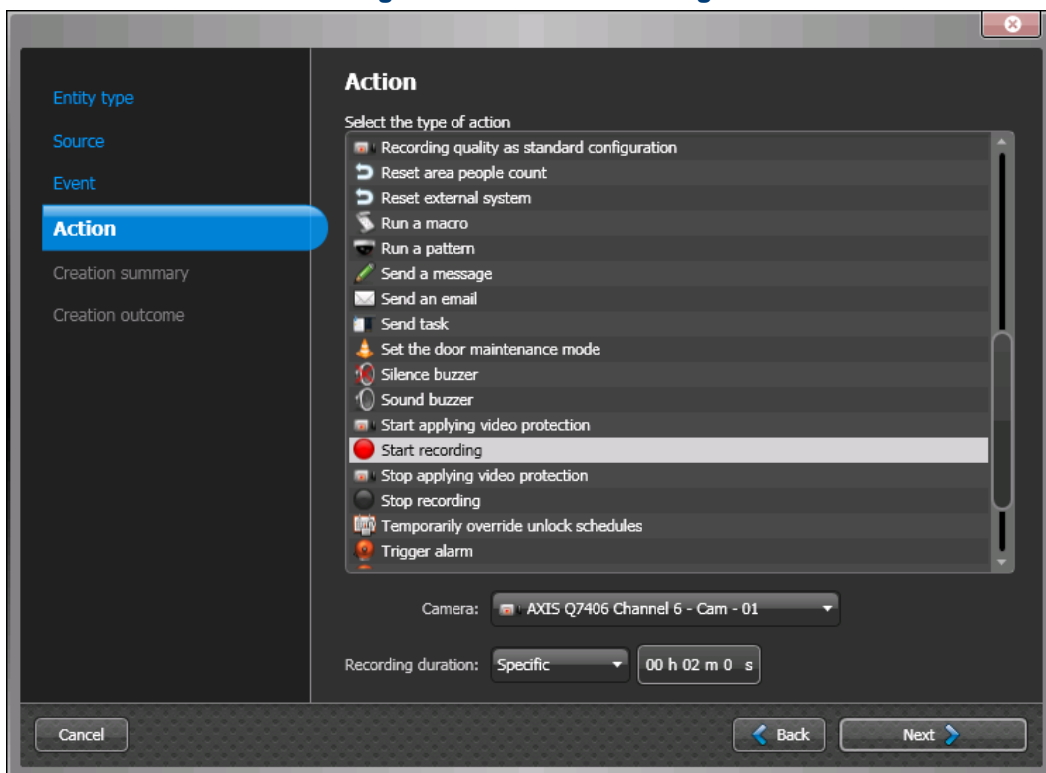
5.6.2 Start Recording

If a camera is not continuously recording, you may want to capture several minutes of recording when an analytics event is triggered.

➤ **To start recording based on an analytics event:**

1. Select **Start recording** from the Actions list.
2. From the 'Camera' drop-down menu, select the camera that must start recording. It's likely that this camera is the same camera that triggered the analytics event in Vi-System, though this is not mandatory.
3. Specify the recording duration.
4. Click **Next** and **Create**.

Figure 5-16: Start Recording Action



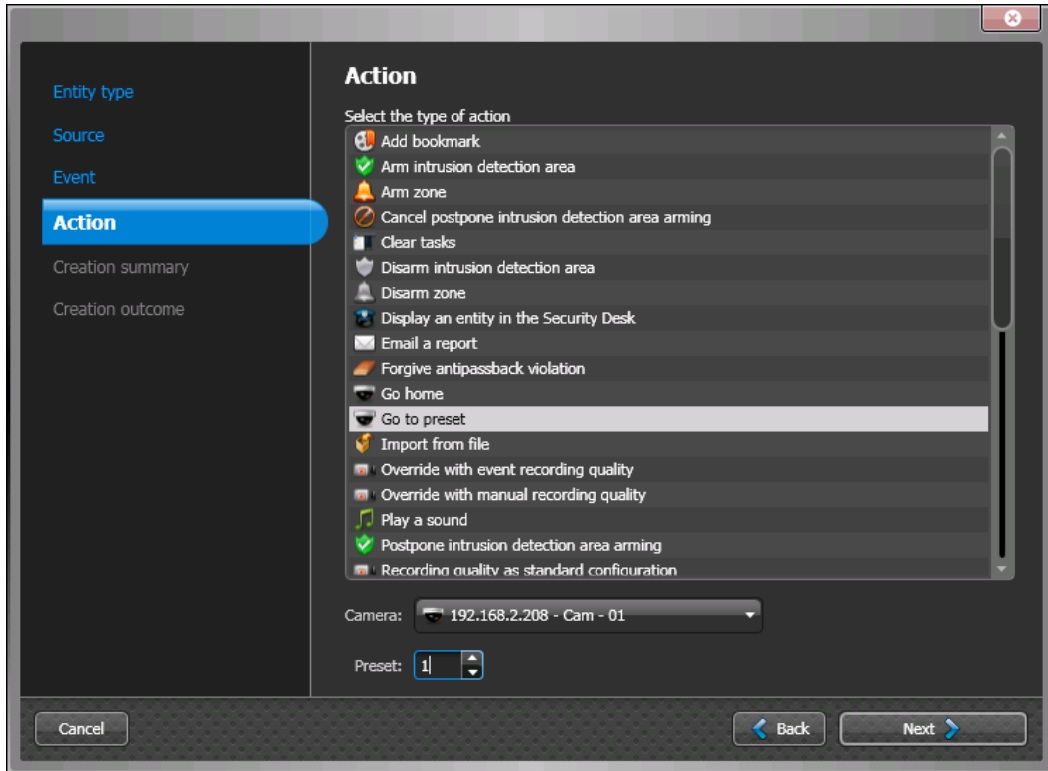
5.6.3 Sending a PTZ Camera to a Preset

This capability enables you to link an analytics event on a fixed camera with a preset on a PTZ camera in which the detected target is moving, so that the PTZ will move to it.

➤ **To send a PTZ camera to a preset based on an analytics event:**

1. Select **Go to preset** from the Actions list.
2. From the 'Camera' drop-down menu, select the PTZ camera that you want to move.
3. Select the **Preset** number to move to.
4. Click **Next** and **Create**.

Figure 5-17: Go To Preset Action



6 Configuring Vi-Search for Interoperability with Genetec VMS

Before configuring Vi-Search for interoperability with Genetec, make sure you've performed all operations described in the sections above, and then follow these procedures:

1. Install Genetec SDK (for the relevant edition and version) on any PC that runs the Vi-Search client application.
2. Configure the VMS settings in Vi-Search (see [Configuring VMS Settings in Vi-Search](#))
3. Verify that sensors representing edge devices with embedded Vi-Agent are mapped to the corresponding camera Genetec identification (see [Mapping Vi-System Sensors to Genetec's Cameras](#))

6.1 Configuring VMS Settings in Vi-Search

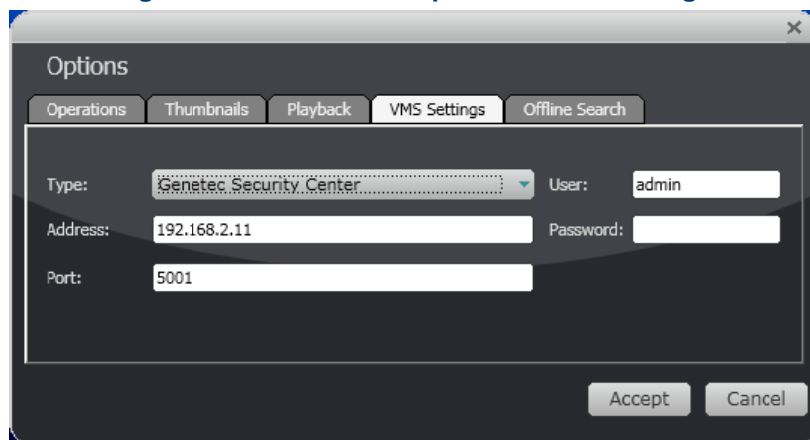
Perform this step after deploying Vi-Search in order to establish communications with Genetec VMS. This is for purposes of:

1. Retrieving recordings
2. Synchronizing timing between Vi-Search metadata and Genetec's recordings

➤ **To configure VMS Settings in Vi-Search:**

1. In Vi-Search, in the **Tools** menu, choose **Options** and in the **Options** dialog that opens click tab **VMS Settings**.

Figure 6-1: Vi-Search > Options > VMS Settings



2. From the **Type** drop-down list, choose **Genetec Omnicast** or **Genetec Security Center** (based on your deployment)
3. Specify the additional required parameters like **Address**, **Port**, **User** and **Password** (see [Table 6-1](#)). To establish interoperability with **Genetec**, exit Vi-Search and restart it.

Table 6-1: Vi-Search > Options > VMS Settings

Parameter	Description
Type	Choose Genetec Omnicast .or Genetec Security Center
Address	Define the IP address of the PC hosting Genetec server
Port	Define the Genetec TCP port
User	Define a valid user according to Genetec permissions.
Password	Define a password for the valid Genetec user.



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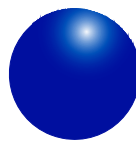
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Vi-System 4.2 / Vi-Search 2.1

June 2012



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