Quido Input/Output Integration App-note

6 December 2022

Contents

1. Introduction

This document will detail the integration of the Quido IO device, with CathexisVision. Functionally this integration will entail the triggering of standard CathexisVision Events, based on the triggers from the device.

Note: For information regarding the regular operation of a Quido IO device, please consult the relevant manufacturer's documentation.

There is a General Integration section in the main ***CathexisVision Setup Manual***. It contains information on creating an integration database, as well as a general introduction to the Integration Panel. **Read over this section.**

1.1 Requirements

1.1.1 General Requirements

- CathexisVision 2016.2 and later.
- Windows 7 – 64-bit and later, Windows Server 2008 R2 and later.

Note:

1. For information regarding the regular operation of a Quido device, please consult the relevant Quido documentation.
2. When using a serial port connection, CathexisVision is unable to detect the Quido device if the Controller or Communications channel has lost connection.

1.1.2 License Requirements

The Cathexis Quido integration license requirements are as follows:

License	Name	Description
CQUI-2000	**Quido**	This license is the "base" license to integrate with an input-output system. It is applied to the server to which the input-output device is connected. It will allow for the connection of a single Quido input/output (multiple channels) device.

Note: In this integration, individual devices will require a license for each device and not per channel.

1.1.3 Third-Party Device Information

This integration was tested on:

Hardware name	Quido ETH range of I/O thermometer devices
Firmware as tested	2.4/4
Third-party software version	2016 SP3 and later

Note: Software versions 2020 SP4; 2021 SP3; 2022 SP1 and later support the ability to map more than one camera to an IP object, and the ability to review the linked cameras in the Quido integration database.

1.2 Integration Components

All CathexisVision integrations have two component levels: **Device** and **Object**.

Device	The device is CathexisVision software's interface, which handles all the interaction between CathexisVision and the integrated hardware. When an integration is added to the CathexisVision system, a device is added. The messages received from the device are called Device Events.
Objects	Objects are the individual pieces of hardware that comprise the integration. There may be multiple "object types" under the objects group. For example, the main controller and door nodes of an access control system are both objects. They are different types of objects.

1.3 Features and Abilities

- CathexisVision receives event messages from the Input/Output device.
- System and Input/Output device event messages can be used to trigger a CathexisVision system event.

1.3.1 Device Objects

Objects are populated automatically as soon as communication with CathexisVision is established.

Object Type	Abilities
General	• This integration has Input, Output, Thermometer and Communication channel objects. • State changes may be used to trigger system events. • The IO objects are populated in CathexisVision on an input status update. • Device objects can be commanded as an action of a CathexisVision system event.

Input	**Object Properties**	• Name. • ID. • State. • Counter. **Note**: An external 5V needs to be applied over an input to trigger it.
	States	• Low. • High.
Output	**Object Properties**	• ID. • Name.
	Commands	• Set output. • Clear output. • Pulse output.
Thermometer	**Object Properties**	• IDs. • Name. • Thermometer state. • Low threshold. • High threshold. • Last temperature.
Communication Channel	**Object Properties**	• IDs. • Name. • Channel status. • Details. • Creation type. • Creation time. • Idle time (min).

1.3.2 Device Events

Event Element		Features/Abilities
General		• Events triggered on the device are sent to CathexisVision. • Device event types are Input, Output, Thermometer and Communication channel. • Objects may be linked to cameras to associate device events with video footage.
Device Event Types	**Input Event**	• ID. • Time. • Input ID. • Input name. • State. • Counter.

	Output Event	• ID. • Time. • Output ID. • Output name. • State.
	Thermometer	• ID. • Time. • Thermometer. • State. • Temperature value (Celsius etc.).
CathexisVision Event Actions		Events generated by the device are reflected in CathexisVision, and can be used to create CathexisVision system events. An **output** object may be controlled via a CathexisVision event action to perform one of the following commands: • Set Output • Clear Output • Pulse Output

1.3.3 Metadatabase

A unique metadatabase is created on the CathexisVision server for this integration. It is fully searchable, with configurable filters based on device event information (as above), and time stamping. The filtered event/s, and the associated video, will then be available for review in a new window from which an archive can be created and exported.

Database Element	Features/Abilities
General	• All device events are databased. • Database entries include the footage from the camera/s linked to device objects. • Multiple cameras may be linked to multiple objects. • Device event metadata is displayed where applicable. • Databased device events may be viewed in the embedded video player, which includes the usual CathexisVision video review tools.
View Options	• Input. • Output. • Thermometer.
Sort Options	• Time.
Easy Search	• ID. • Name. • State.
Filter	• Event. • Event Type. • Object ID.

	• Name. • State. • Counter. • Temperature.
Export	Database entries may be exported in CSV and PDF format.

1.3.4 Maps

The CathexisVision GUI provides for configurable site maps that feature multi-layered, hierarchical, interactive interfaces providing representation and control of a site and its resources.

Map Element	Features/Abilities
General	Device objects can be embedded in a site map, which offers multiple action options when messages are received from the device, the device triggers an event, and/or the user manually initiates a map action.
Map Action Triggers	• All device objects may be set to trigger a map action if the user left-clicks on map. • Some device objects may be set to trigger a map action if a state change message is received from the device. • All device objects may be set to perform a map action if a specific, or any event occurs on the device. • Device objects, which can be configured to trigger CathexisVision events, may also be set to perform a map action when specific states, or events are triggered.
Map Actions Options	When triggered (see above), objects may perform the following map actions (where applicable): • Connect to a site. • Perform an animation. • Go to a camera preset. • Load a map. • Set a PTZ relay output. • Show a popup menu. • Set a relay output. • Show an HTML block. • Show a block of text. • Show a device popup menu. • Show a device event notification.

USEFUL LINKS

*To view **tutorial videos** on CathexisVision setup, visit https://cathexisvideo.com/resources/videos*

*Find answers to Cathexis **Frequently Asked Questions**:*
https://cathexis.crisp.help/en/?1557129162258

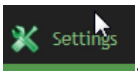
2. Device Addition and Configuration

This section will detail the procedure for setting up the two systems to communicate with each other effectively.

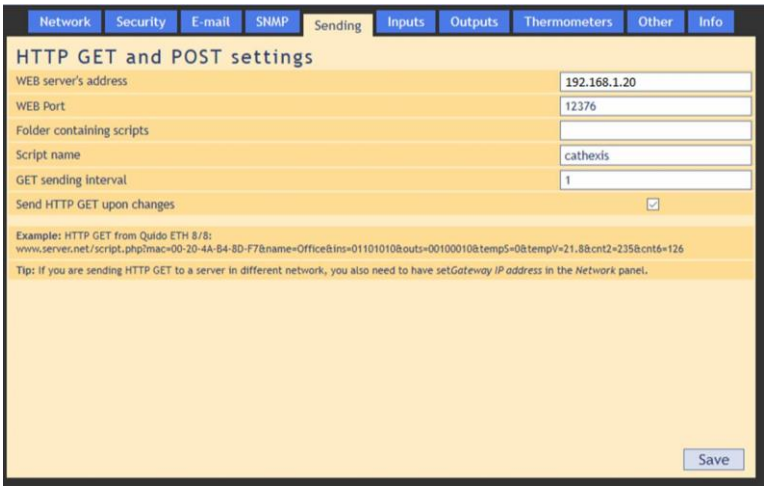
2.1 CathexisVision Specific Quido Setup (Set up the Quido Device)

There are some steps to take in the Quido's device setup, before the device can be added to CathexisVision.

2.1.1 Setting up the Quido Device

1. Open a web browser and navigate to the IP address of the Quido device.
2. In the Quido setup window, click on the **Settings** option in the top right-hand corner of the window: 

.
3. Login to **Settings** an administrator account.
4. In the **Network** tab make sure that the **Local port for TCP/UDP connection** is set to **10001**.
5. In the **Sending** tab:
    a. Set the **WEB server's address** option to the IP address of the CathexisVision server.
    b. Set the **WEB port** option to **12376**.
    c. Set the **Script name** to be "cathexis" or any descriptive name.
    d. Enter "1" for the **GET sending interval**.
    e. Enable the "**Send HTTP GET upon changes**" checkbox.



6. In the **Inputs** tab, make sure that the option to **Watch for changes** is checked.
7. In the **Outputs tab**, make sure that the option to **Watch for changes** is checked.
8. Click on the 

button to apply changes.

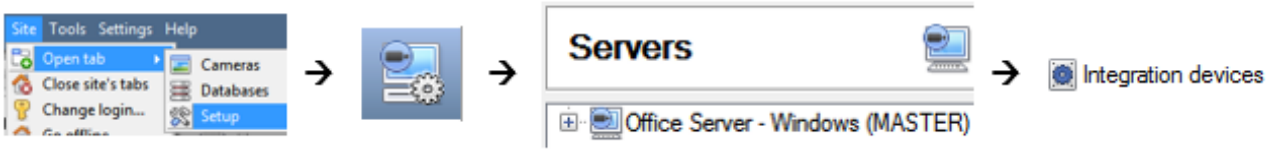
Note: The IO objects are only populated in CathexisVision on an input status update.

2.2 Devices Section (Add a New Device in CathexisVision)

Integrations are added on a server-by-server basis. They are managed in the Integration Devices panel, under the Setup Tab of the servers to which they are added. To get to the Integration Panel follow this path:

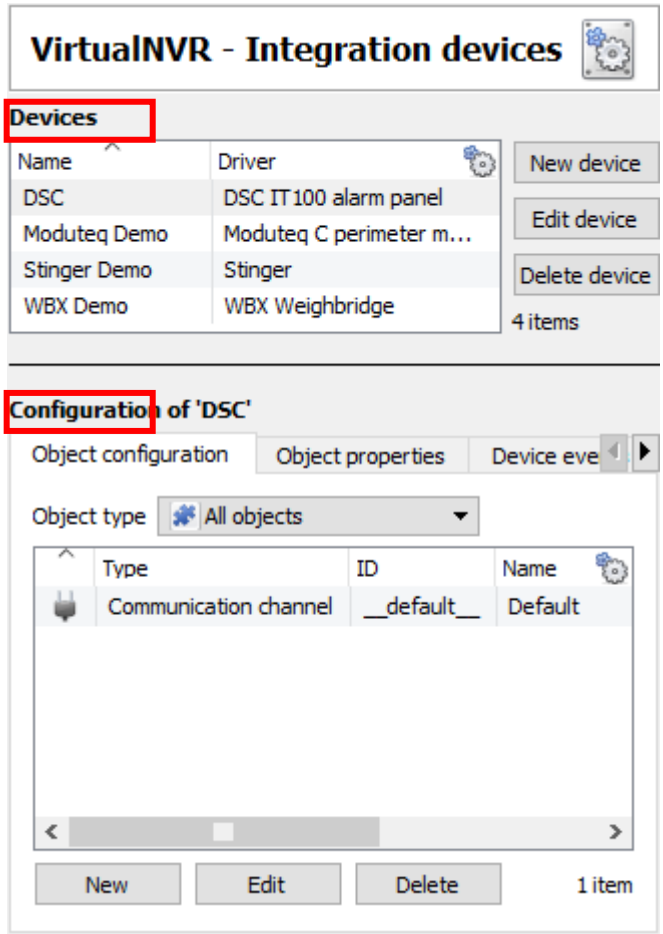
2.2.1 The Integrations Panel

To get to the Integration Panel, follow this path: Site / Open tab / Setup / Configuration icon / Server / Integration devices.



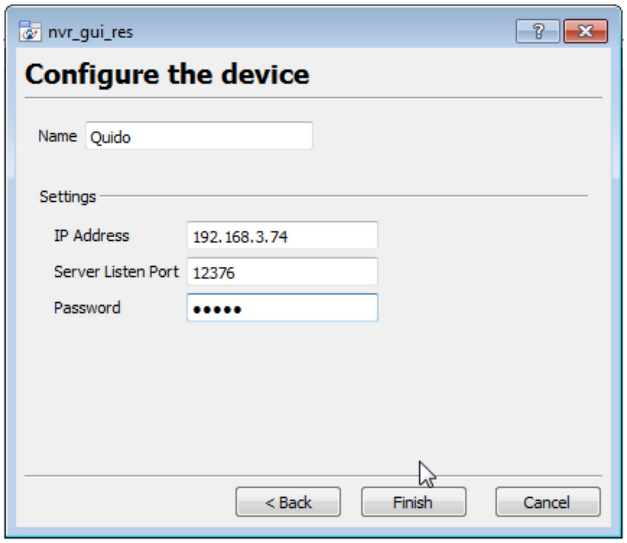
There are two sections in the Integration Panel:

- The **Devices** list shows the integration devices attached to the integration database.
- The **Configuration** section enables editing/reviewing the device selected in the **Devices** section.



2.2.1.1 Device Addition

1. In the Integration Panel, navigate to the **Devices section.**
2. Click on the **New device** button on the right-hand side. This will open the addition dialogue.
3. Select **Quido I/O device** driver from the list.



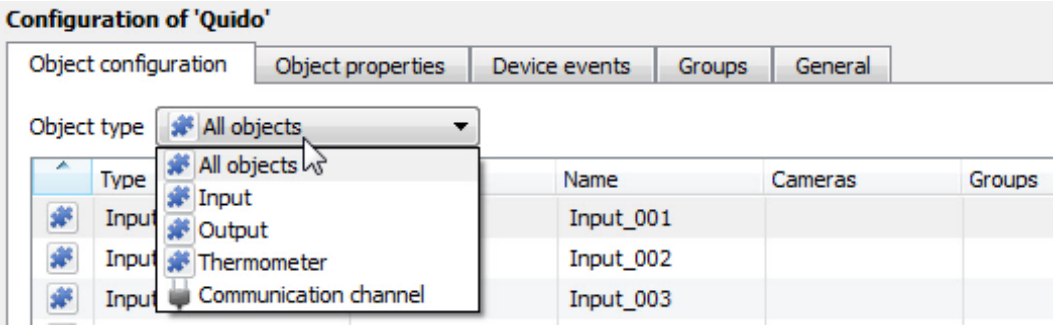
4. Give the device a descriptive **name.**
5. Enter the **IP address** of the Quido unit.
6. Enter the **Server listening port** defined in the Quido settings, above.
7. Enter the admin **Password** for the Quido device.

2.3 Configuration Section (Tabs)

The configuration section is divided up into a number of tabs. These tabs are: **Object configuration, Object properties, Device events, Groups,** and **General.**

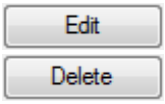
2.3.1 Object Configuration Tab

The object configuration tab is the tab where the individual objects that comprise the integration. The **Quido** device has **Input, Output** and **Thermometer** options.



2.3.1.1 Object Configuration Buttons

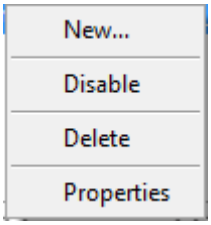
Click **New** to add a new object.



Click **Edit** to change an existing object.

Click **Delete** to remove an existing object from the CathexisVision configuration.

2.3.1.2 Object Configuration Right-click Options



New will open up the dialogue to add a new object.

Disable/Enable allows individual nodes to be enabled or disabled.

Delete will permanently remove this object from the list.

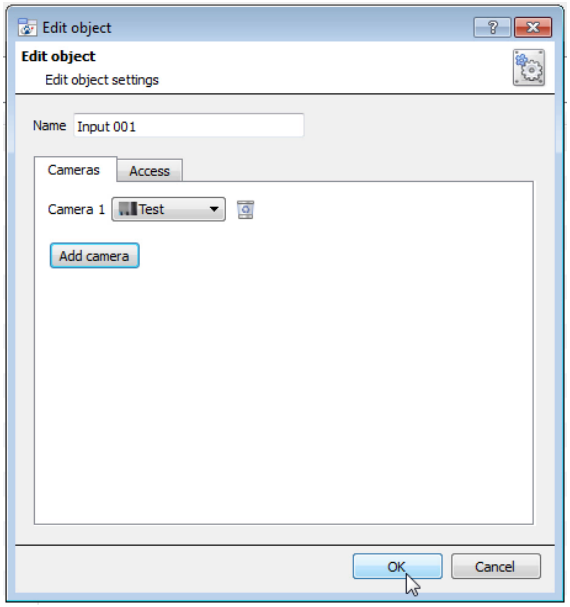
Properties will open up the object properties. The object may be edited from here: *assign cameras to this object*, and define user access levels.

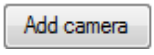
2.3.1.3 Edit Object

Open the object editing window by selecting an object from the list, and **right-clicking Properties**. Cameras can be added to objects, overlays can be configured, and access rights can be managed.

Properties: Cameras

Adding a camera to an object will mean that whenever there is an event on that object, the recording from that camera will be related to the time and date of the object event, in the Integration database.





Click **Add camera**, and select the relevant model from the drop-down menu.

To **delete** a camera, click the trash icon.

To edit individual **overlays**, click the spanner icon. See instructions below.

Note:

- While multiple cameras can be added here, only the first camera added with the object will be linked in the integration database.
- If **continuous recording** is not set up on associated cameras, device objects run the risk of triggering while the cameras are not recording. To record cameras only when an object triggers, set up **Events to trigger a recording when one of these objects is activated.**

Properties: Access

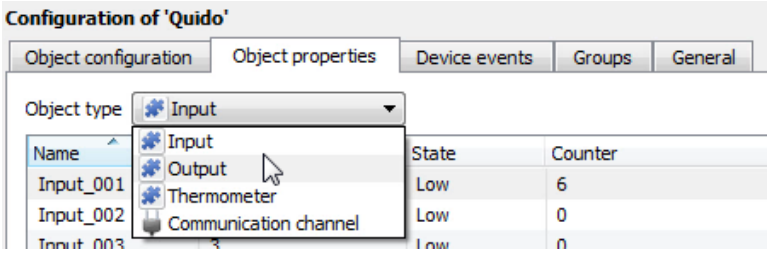
Access allows for the protection of sensitive objects, by only allowing certain user levels access to them.

Set the user access levels under **View.**

Note: If **Use default access rights** is checked, ensure that those default rights have been correctly defined. Click on **Configure default access** to do this.

2.3.2 Objects Properties Tab

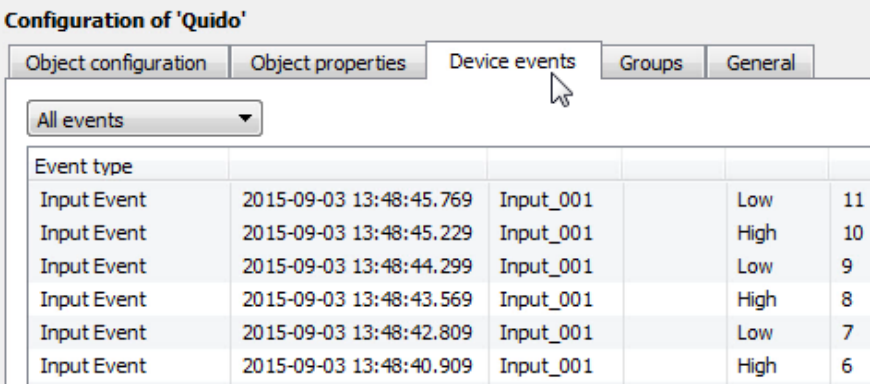
The Object properties tab allows objects to be viewed and sorted by type. In the case of the **Quido** device, view options are **Input, Output** and **Thermometer.**



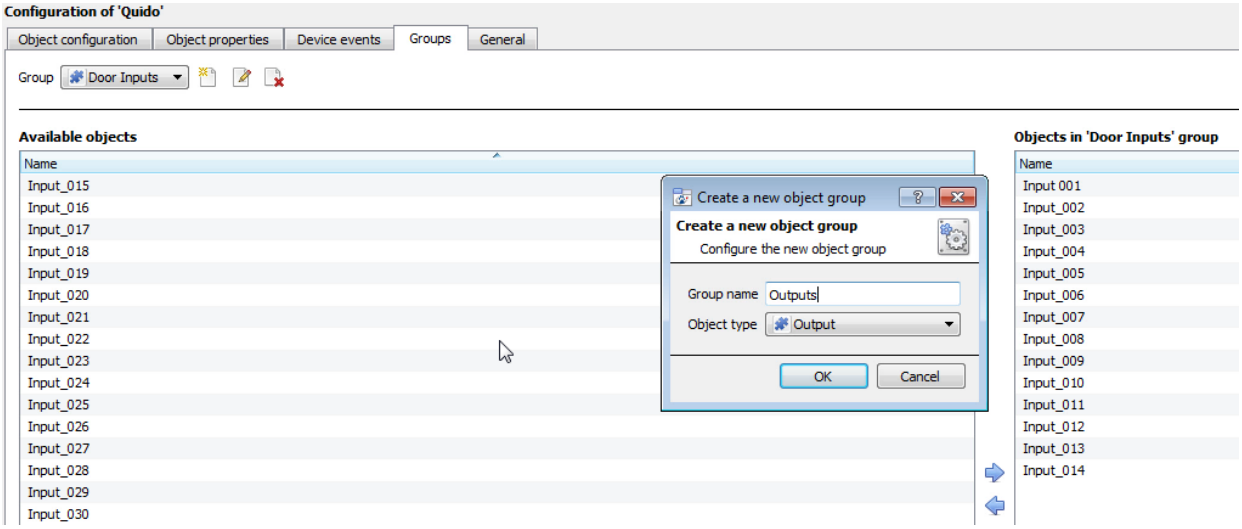
Use the right-click menu to *pulse* and *set* **Outputs**.

2.3.3 Device Events Tab

The Device events tab lists real-time events happening on this device. Installers can ensure that the integration is functioning, and monitor the Events happening on site.



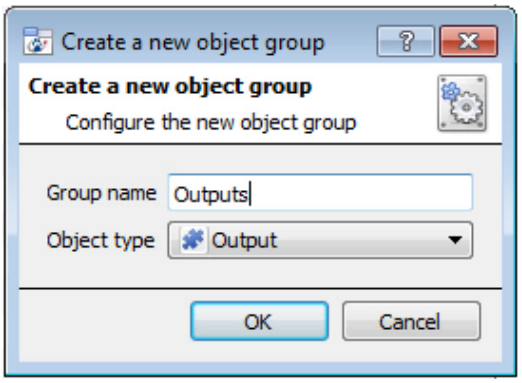
2.3.4 Groups Tab



Groups of the same types of object may be created.

Tip: This is useful when setting up Events, because events can be triggered by an object group. (E.G. a group will trigger, if any of the devices in that group is triggered.)

2.3.4.1 Create a Group

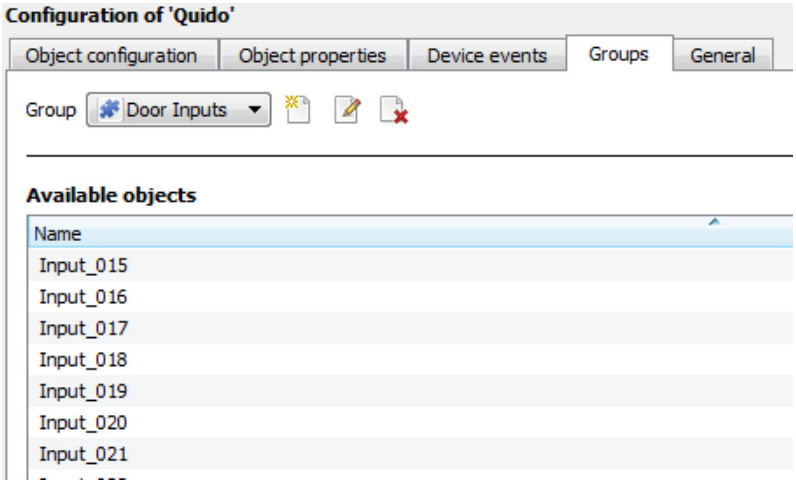


1. To create/edit a Quido group click on / .

Note: Once a group has been created, the group's object type may not be edited.

2. Give the group a descriptive **Group name.**
3. Click on the drop-down menu to select the **Object type**.
   Only objects of this type can be added to the group.

A list of Available Objects will then populate.



2.3.4.2 Add or Remove Objects

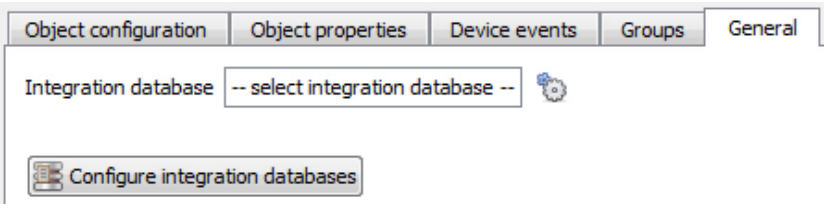
To **add** these objects to the group, select them from the list, and **click on the right arrow**.

To **remove** these objects from the group, select them and **click on the left arrow**.

Note: Multiple objects may be selected at a time.

2.3.5 General Tab

The General tab deals with the **Integration database**. Here, the user will select an existing database or create a new one.



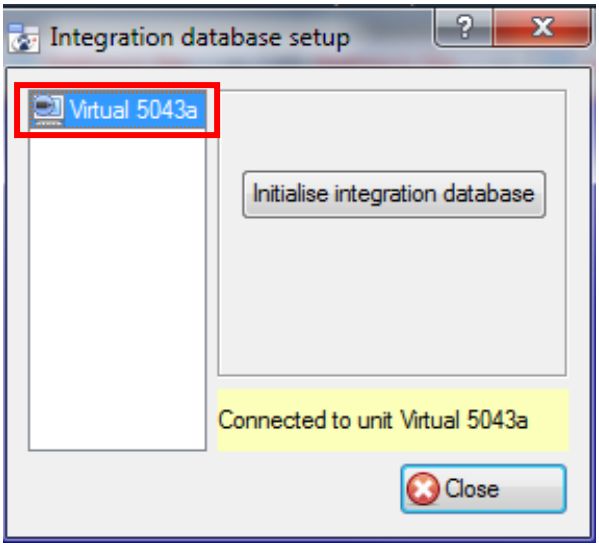
Note: Each integrated device needs to be attached to an Integration database. Without setting up/adding a database, the integration will not function properly within the CathexisVision system.

2.3.5.1 Configure a New Database

If there is no existing database for the current integration, click **Configure integration databases** to open the integration database setup.

Initialise the Integration Database

To create databases for specific integrations, the *general* integration database must be initialised.



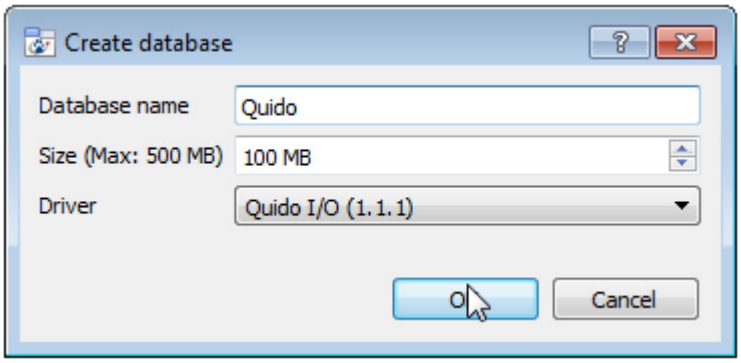
1. **Select the unit** to which the database will be added from the list on the left.
2. Then **click "Initialise integration database**. "

3. Select the **partition** on which the database will be created.
4. Choose how much **space** it will use.

Add a New Devices Database

After initialisation, add the database for the Quido integration.

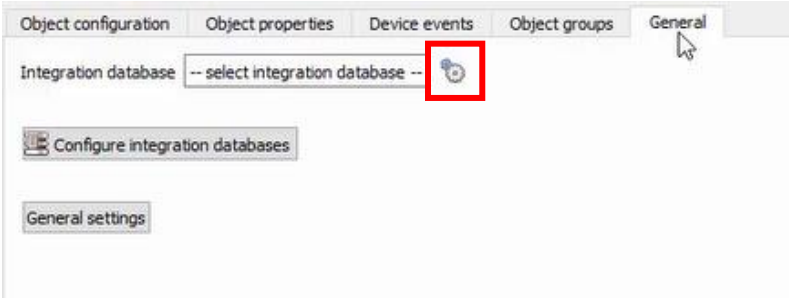
1. **Click on the New button**, at the bottom of the Create database window.



2. Give the Integration database a descriptive **Database Name**. e.g. Quido.
3. Allocate a **Size** to the new device database.
4. Choose the **Driver** that the device will be using, and click on OK to create the database.

2.3.5.2 Select the Quido Integration Database

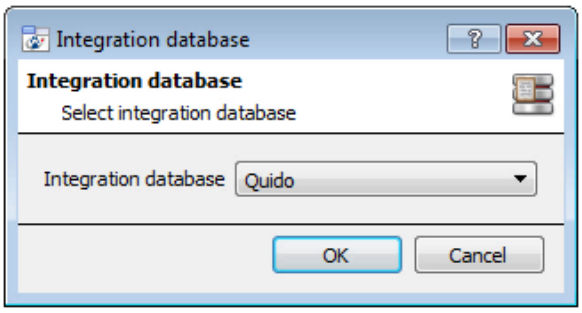
Once a Quido database has been created, it must be actively selected.



1. Return to the General tab.

2. Then, click the **settings icon.**

A dialogue will appear. Only databases which relate to the device being added should appear.



3. **Select** the **Quido database** from the drop-down menu.

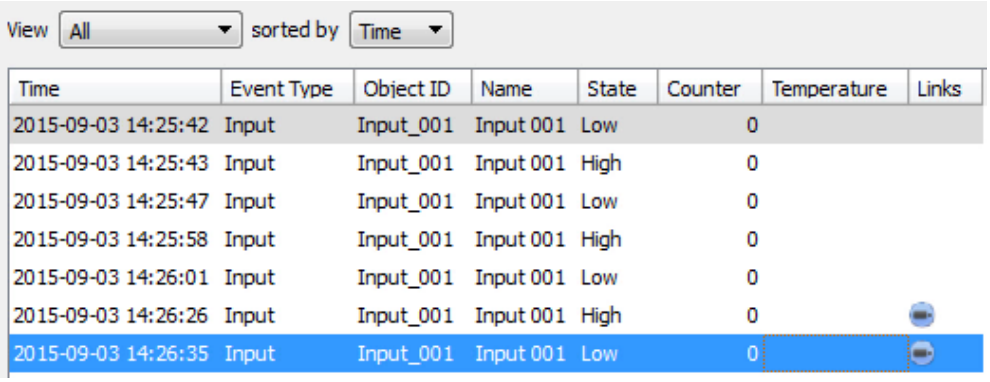
4. Then click **OK**.

3. Database

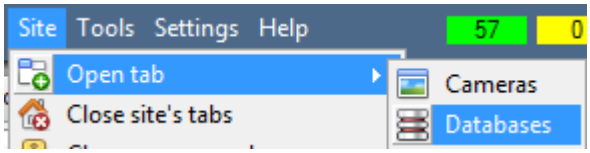
The database tab allows navigating to the databased entries, for each individual database. In the database tab, each database is presented as a table. It has built in filters, and the ability to navigate by timestamp. If a database entry has an associated recording, this recording can be launched from within the database tab.

Most integrations will have a different database presentation, and unique filters, due to the different parameters sent to CathexisVision by the integrated device.

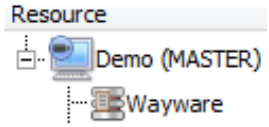
The Quido database is information rich. This is an example of some of the information that is included:



3.1 Navigate to the Database



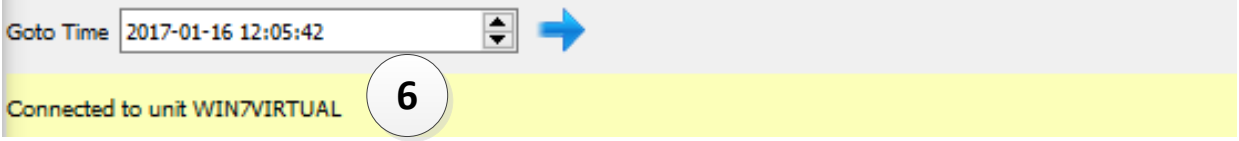
To view the information stored in the Integration database, follow the path shown to the left.

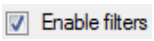
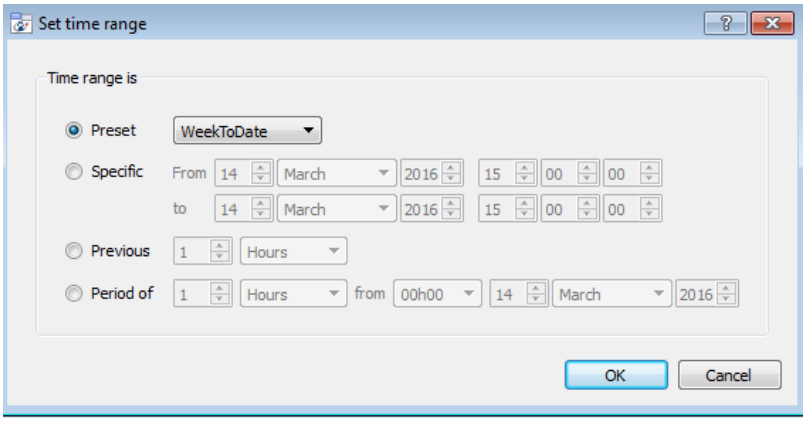


Once in the **Databases tab, select** the relevant integration database.

The databases are ordered under the NVRs to which they are attached.

3.2 Database Interface

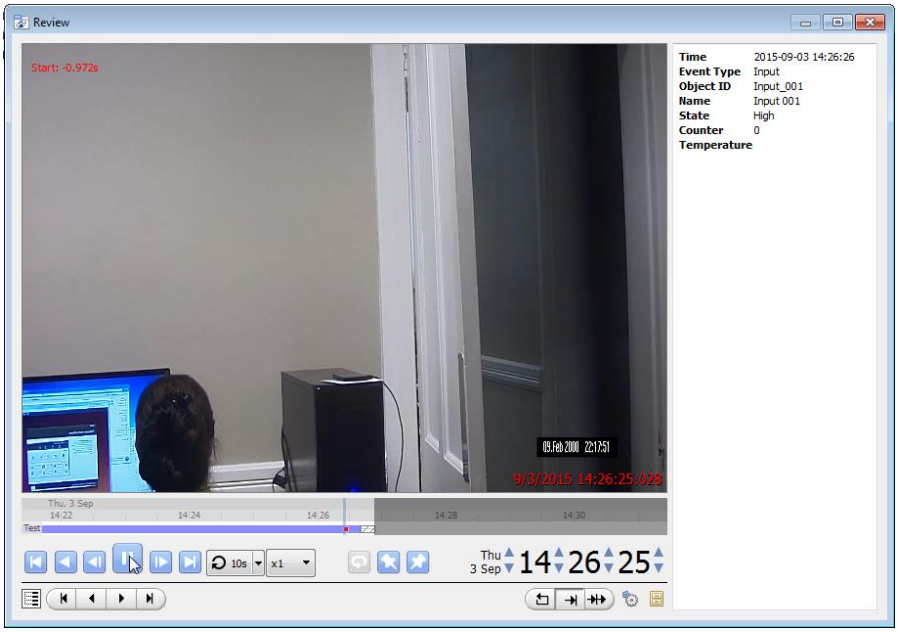


① **View**	The way the database is presented may be changed. Some integration databases have multiple view options. The **Quido** database has **Input, Output,** and **Thermometer** options.
② **Sorted By**	Events may be further sorted based on the following parameters: **Time.**
③ **Easy Search**	The easy search option allows for a quick search of the database within one of the following options: **ID, Name,** and **State.**
④ **Filter**	Filter offers a more advanced manner of sorting information in the Integration Database table. Once the filters dialogue is open, the following options are available: 1. To **enable** filters check this box:  2. To **add** a new filter click on  . The filter icon  will change to  when filters are active. 3. To **delete** an added filter click on  . The options in this integration are **Event, Event Type, Object ID, Name, State, Counter, Temperature.** A **Time range,** within which the search will be conducted, may also be set. To set a **Time range**, click on the blue hyperlinked text which specifies time (e.g., *in the Week to date*). This will bring up the following dialogue box, where the time range can be defined:  **Note**: 1. Multiple filters may be run simultaneously. Filters with the same perameters may be run more than once. 2. To change a filter click on the blue hyperlinked text.
⑤ **Export**	Generate metadatabase reports in PDF or CSV format. See below.
⑥ **Go to Time**	This navigates to a specific point in time, down to the second. To navigate to a timestamp set the time using the time and date boxes.  Then click on the arrow icon.

3.2.1 Viewing an Entry's Associated Recording

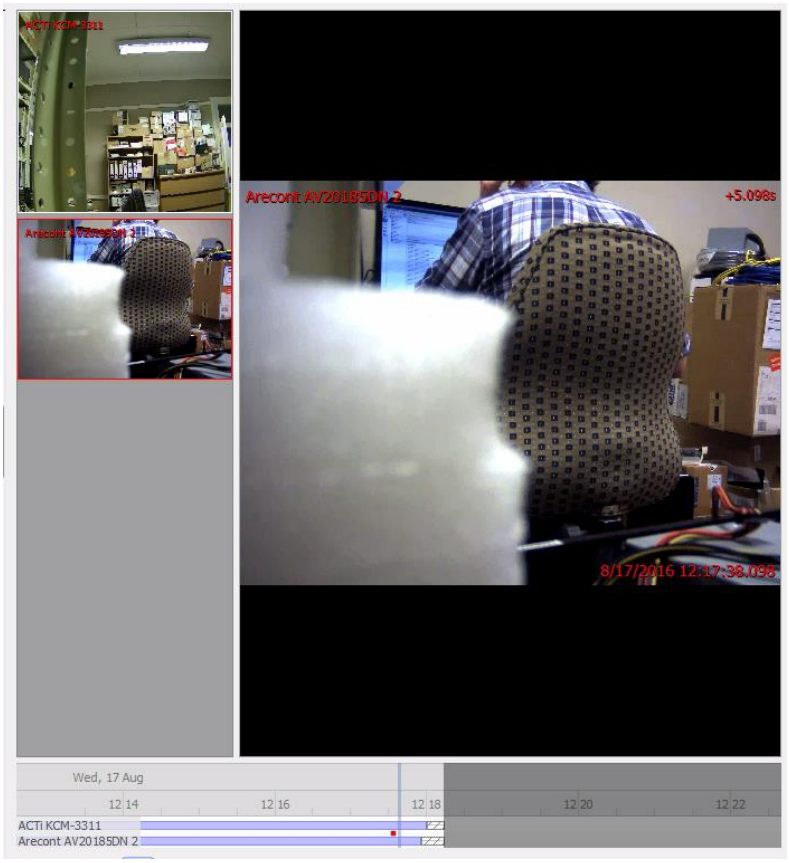
If cameras are attached to device objects in the Integration setup, and these cameras are set up to record continuously, each Integration database entry will have a corresponding recording.

To **view** a databased event's recording **double click** it.



A floating replay window will appear, from which video content may be archived and reviewed.

3.2.2 Reviewing Multiple Cameras



If multiple cameras were added to the recorded object during the integration setup, these are displayed on the left of the video player screen as thumbnails.

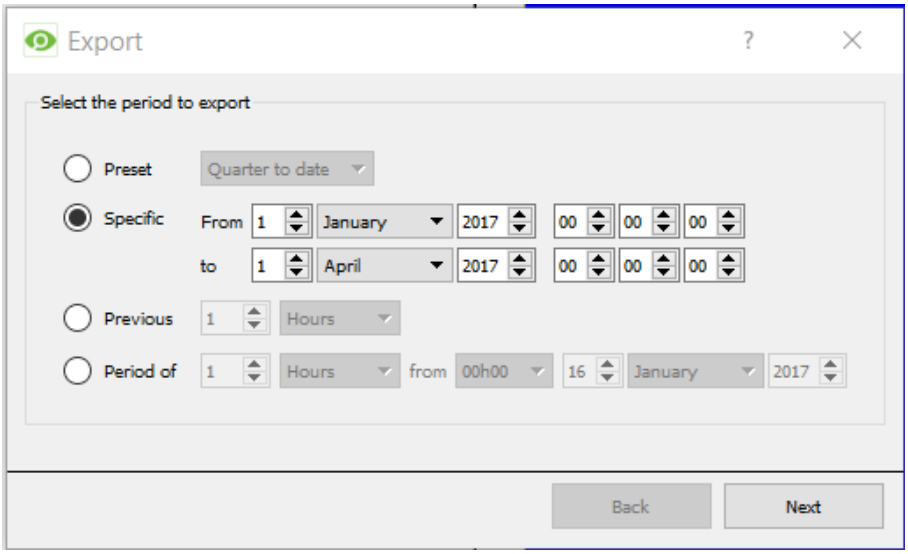
Select a camera thumbnail to review it.

3.2.3 Device Event Metadata

When a database entry is selected, its event information will be displayed on the right of the video player:

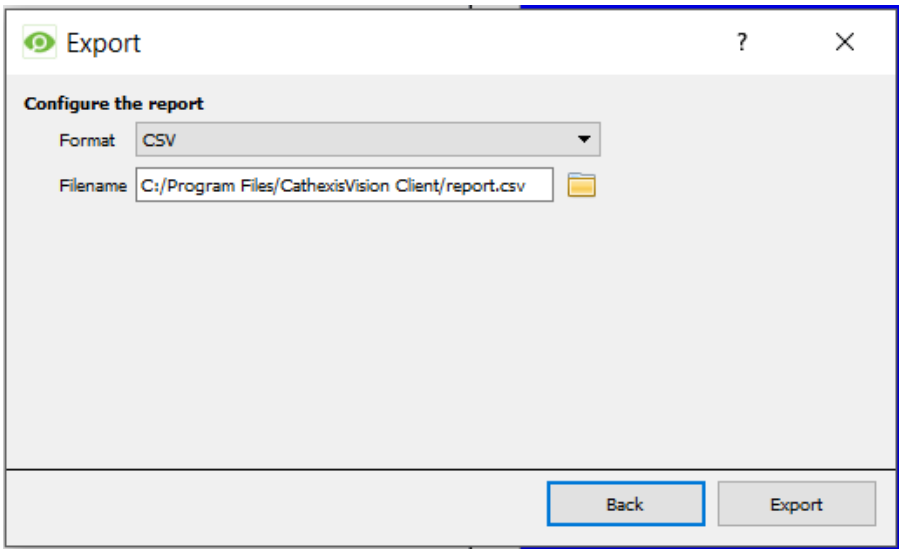
3.2.4 Generate Metadatabase Reports

Click the save icon to open the Export window.



Select the **Period** to export, and enter the required details.

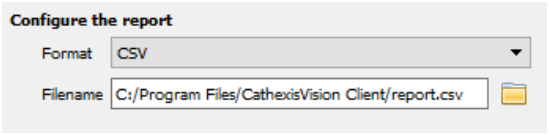
Click **Next**.



Select the **Format** to export the report in; either CSV or PDF.

See below for the two options.

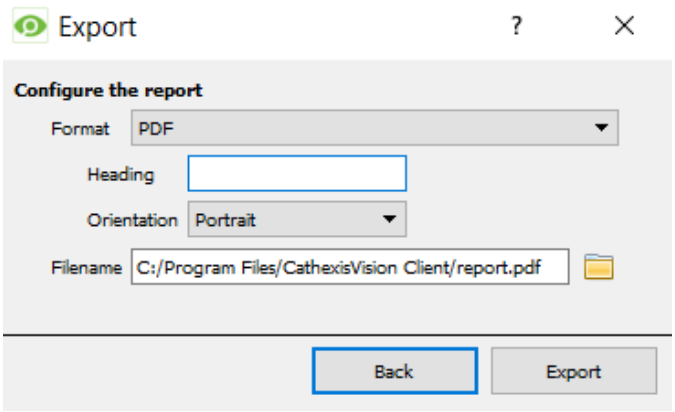
3.2.4.1 Export CSV



Select CSV **Format**.
Edit the **Filename** by either entering it into text field (replacing **report.csv).**

Or, click the folder icon to choose a new save folder and filename.

3.2.4.2 Export PDF



Select PDF **Format**.

Give the PDF a **Heading**.

Select either Landscape or Portrait **Orientation** of the PDF.

Edit the **Filename** by either entering it into text field (replacing **report.csv).**

Or click the folder icon to choose a new save folder and filename.

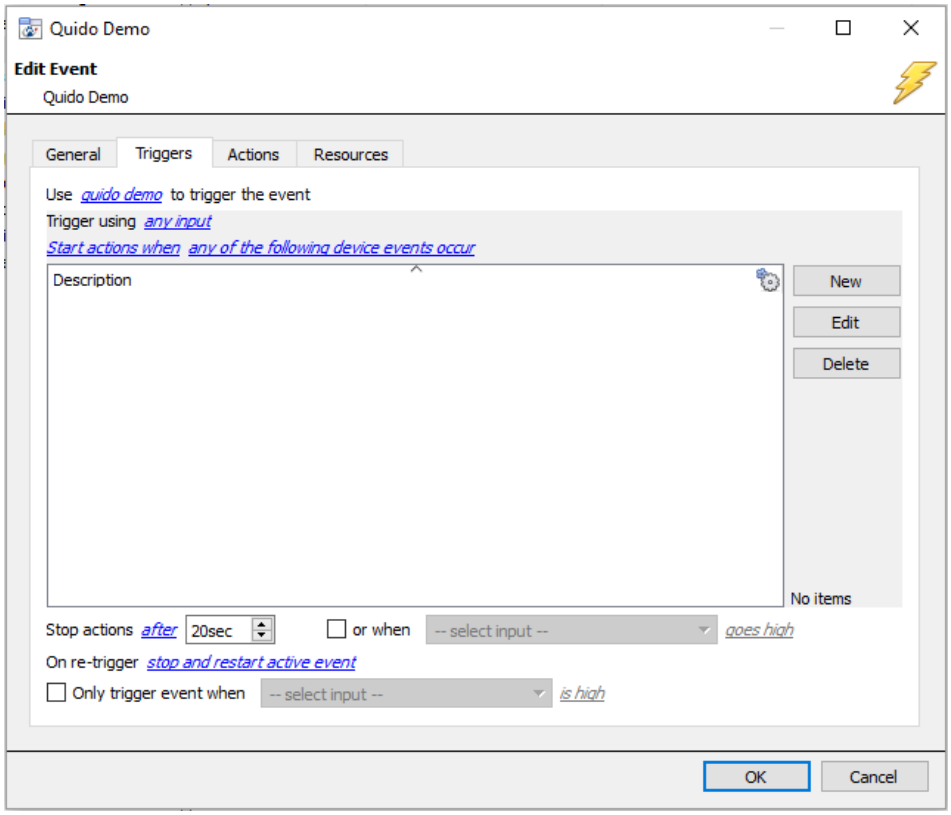
4. Events

A CathexisVision Event has a trigger, which causes an action. Set integrated devices to act as triggers, or as actions. This document will detail the Quido specific aspects of Events. There is a comprehensive guide to CathexisVision Events in the main setup manual.

4.1 Event Window

Events in CathexisVision are set up via the Event Window, which has four tabs.

- In the **General Tab**, an event is given a name, description, schedule and priority.
- In the **Triggers Tab** the trigger/s for the event is defined.
- In the **Actions Tab** the action/s which the event takes, is defined.
- In the **Resources Tab** the various site resources which can be used as part of an event are defined.



4.2 Creating an Event

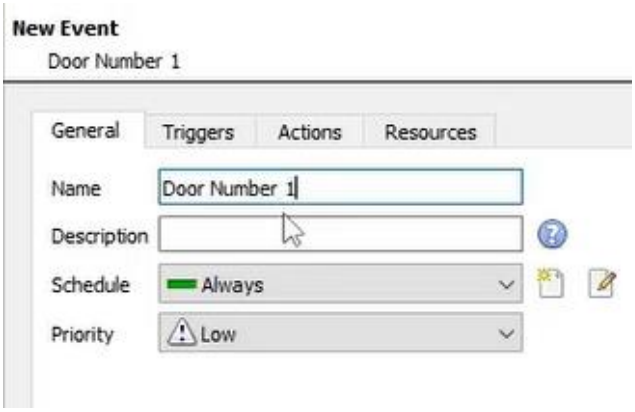
To create an event using the Quido device, enter the Events management area:

Once in Events management click on New.

This will open up the New Event window.

4.3 General Tab

Create a new event under the General tab by filling in the fields.



1. Give the event a descriptive **Name**.

2. Set up a **Schedule** if desired by clicking the icon.

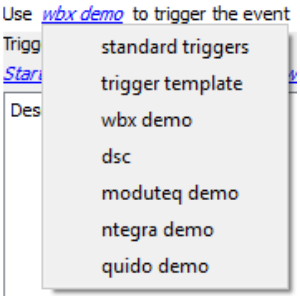
2. Select a **Priority**.

3. A description may be entered. Or, modify the **Description** if relevant according to the instructions below.

4.4 Triggers

A trigger is the user defined input that tells the event to start. The trigger causes the subsequent action (which the user will also define).

4.4.1 Set the Device as the Trigger



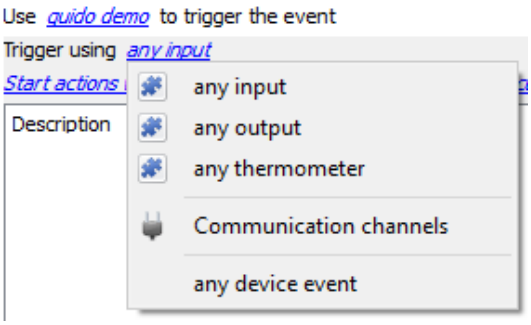
When creating a new event, the trigger type will default to: Use *standard triggers* .

To define which device should trigger the event, click on the hyperlink after "use".

To set it as the Quido device, click on the hyperlink, and **select the device name** from the drop-down menu.

4.4.2 Trigger Types (Trigger Using)

It is useful to think of this as a **master trigger type**.



1. **Click on** the **hyperlink** after the words “Trigger using”.

   This will open a drop-down menu.

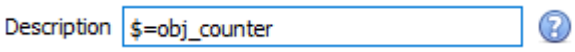
2. **Click an option** from the menu to select.

   See the table below for descriptions of the options on the drop-down menu.

Any input/output/thermometer	will trigger when any of the selected object type triggers.
Specific input/output/thermometer	will choose specific counters to trigger an event.
Object in group...	If an object group has been set up it will appear in this list. When any object in the group triggers, the event will be triggered.
Communication channels	will trigger only on the Communication channels.
Any device event	will trigger on any event that occurs on the device. Within the “any device event” setup the user may set “device event rules” which will constrain which device events will trigger the event.

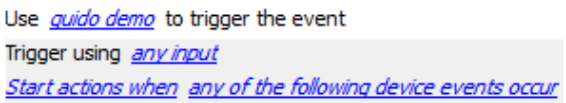
Note for group triggers: For events to be databased under the name of a specific object, and not the name of the triggering group, the Description field in the **General Tab of the Event setup** needs to be modified.

Click on the question mark icon to see a list of available descriptions. Here is a Quido example which will send the counter information to the database, for the event:



4.3.3 While/When and Any/All

The third row of hyperlinks further specifies when the event triggers. The user will choose to trigger either based on a *device event* occurring, or based on an *object property*.



To change these settings click on the related, blue, hyperlinks in the *third* row as shown in the image on the left.

The user can choose the option to:

- **start actions when** any of the properties meet user-configured *criteria*, or any user-configured *device events* occur, or
- **perform actions while** any/all of the properties meet user-configured *criteria*.

Start actions when	any of the properties meet the following criteria any of the following device events occur

Perform actions while	*any* of the properties meet the following criteria *all* of the properties meet the following criteria

4.3.4 Define the Trigger

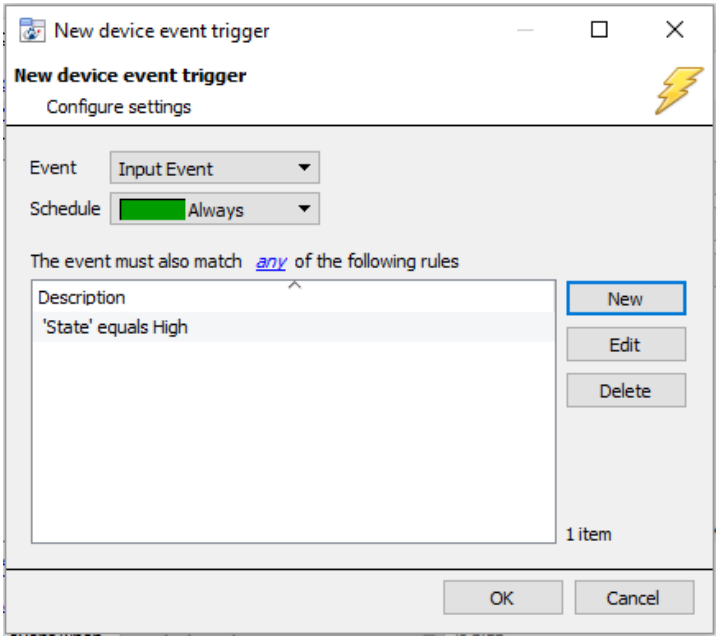
After using the hyperlinks to set up a 'master trigger', the user may proceed to creating a new *device* event.

1. Click on **New** in the Triggers tab.

   This will bring up a further dialogue box.

4.3.4.1 Example: New Device Event Trigger

The example below shows the steps when the "any device event" option has been selected (at the top of the Triggers tab).



2. Choose an event type from the drop-down menu.

   The Quido integration offers **Input, Output** and **Thermometer** device events**.**

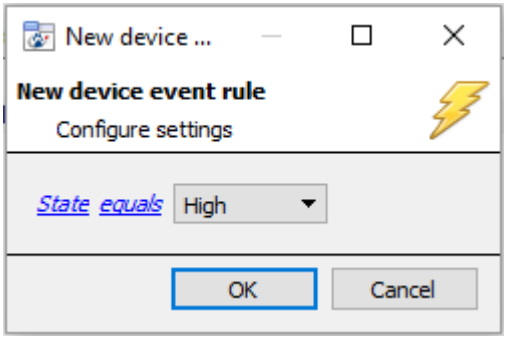
3. Choose a **schedule**.

4. Choose whether *any*, or *all* constraints need to be fulfilled to set off a trigger.

5. Use the **new/edit/delete** buttons on the right-hand side to add a device event rule (a constraint). Follow the instructions below.

Note: Multiple constraints (**Device Event Triggers**) may be set. If a constraint is not defined, every single device event will trigger this event.

4.3.4.2 New Device Event Rule



6. To change the constraint, **click on the first hyperlink**.

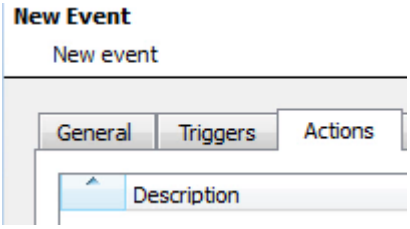
   This will bring up the full list of available rules.

7. To modify the way this rule will be treated, **click on the second hyperlink** ("equals" in the example) to display the rules options.

Note:

- When all available options are known to CathexisVision a drop-down menu will be available.
- When these variables are not pre-defined they will need to be filled in manually. The information pulled through to the events is information sent to CathexisVision from the Quido device. See the Quido settings for the strings needed here.

4.4 Actions



Once the triggers that are going to initiate the event have been defined, the user will need to define some Actions in the **Actions tab** of the **New Event** window.

This integration gives the option to control the integrated device as one of the actions.

4.4.1 Adding an Action

1. To add an action, click New in the Actions tab.

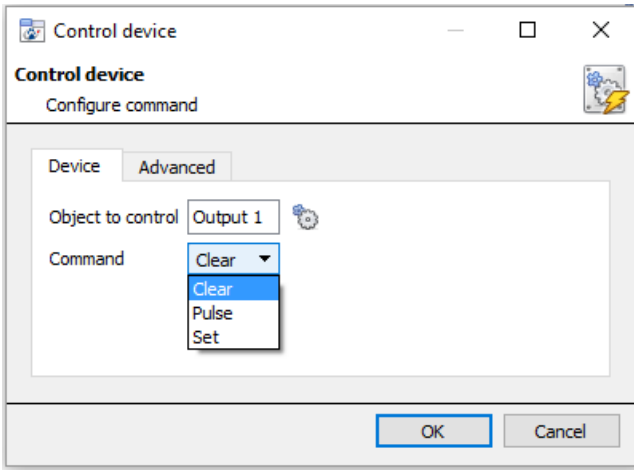
A list of **available actions** will appear. The drop-down contains all the available **action types**.

2**. Select an option**, for example, "Record Camera" or "Control Quido."

4.4.1.1 Actions: Control Device

If “Control Quido” is selected, a new window will open. This will allow the user to configure commands.

Quido objects allow for **Clear, Pulse** and **Set** commands.



The **Object to control** drop-down will allow the user to select which object to send commands to.

1. **Click on the settings icon** to select the object.

   A list will appear.

2. **Select the Object** from the list.

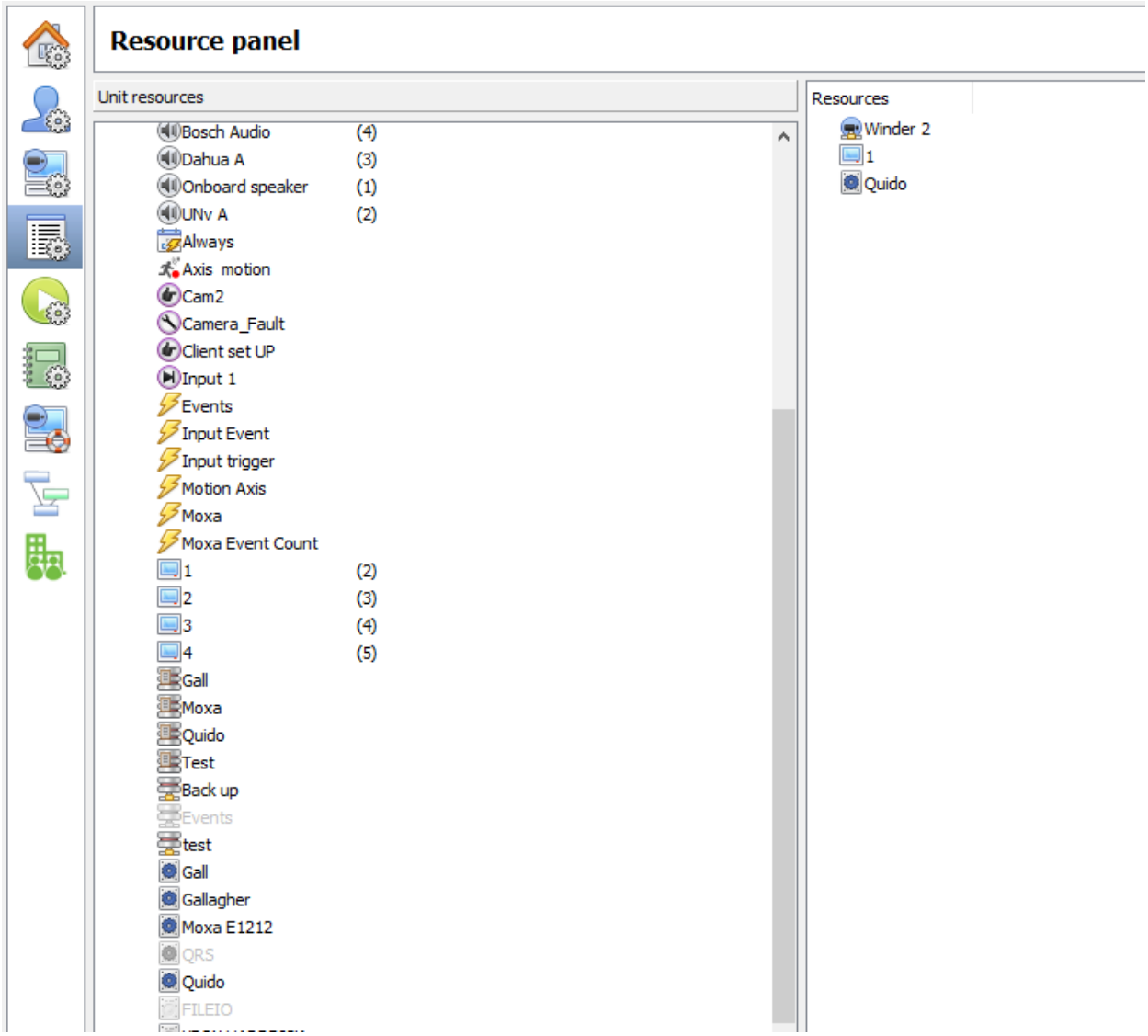
3. **Choose a command** option from the drop-down menu.

5. Maps

5.1 Add the Device as a Resource

To configure the map, the device must be added as a resource to be added to the map.

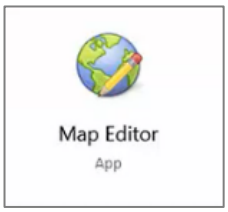
1. Navigate to the **Resource Panel** by following **Site / Open Tab / Setup / Resource Panel.**
2. Drag the device from the **Unit Resources** list into the **Resources** list, on the right.



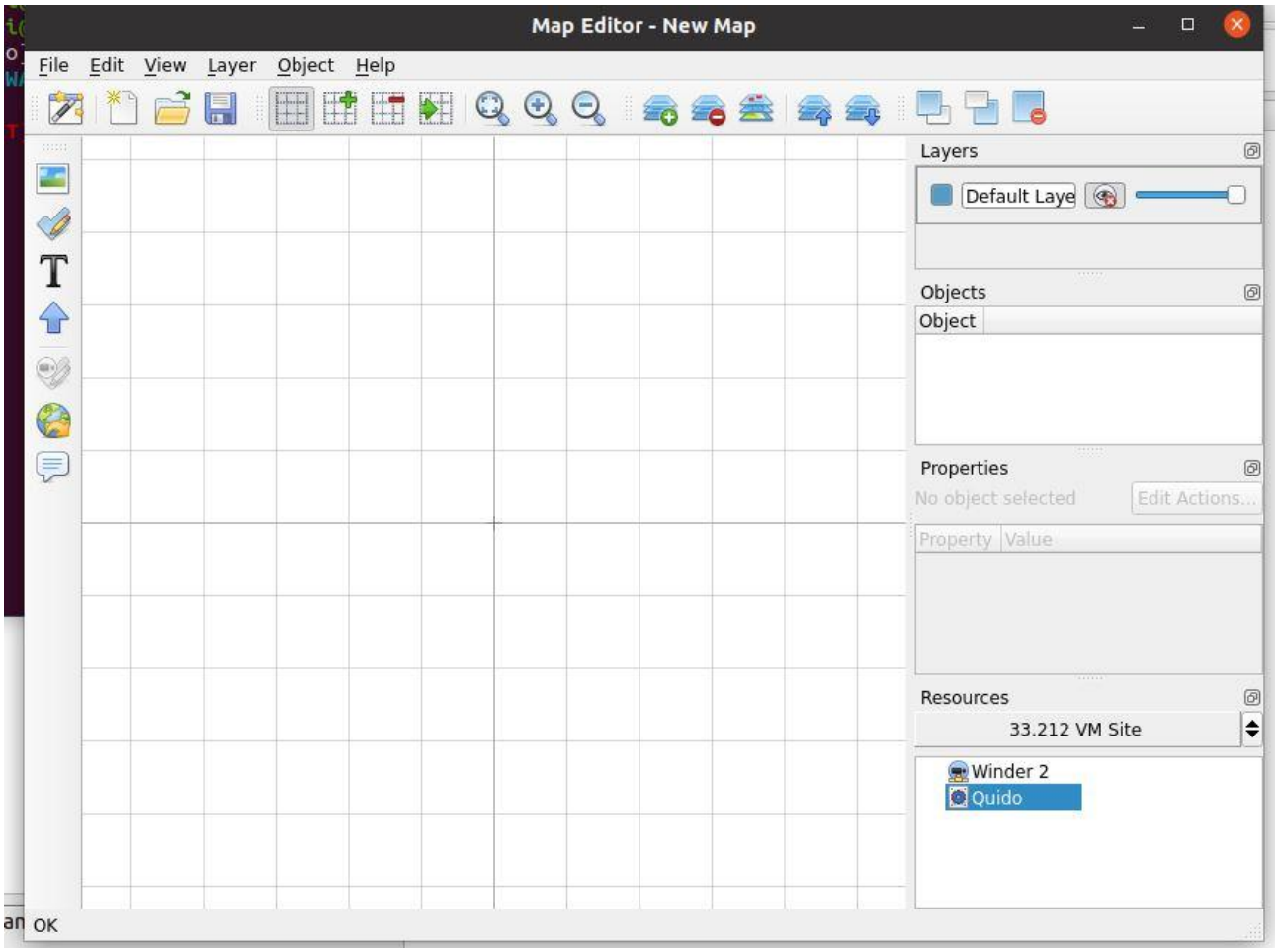
The Quido device will now be listed as a Resource in the Camera tab.

5.2 Add the Device in Map Editor

Once the Quido device has been added as a **Resource**, it will be available to drag onto the map area from the **Site Resources** list in the Map Editor software.

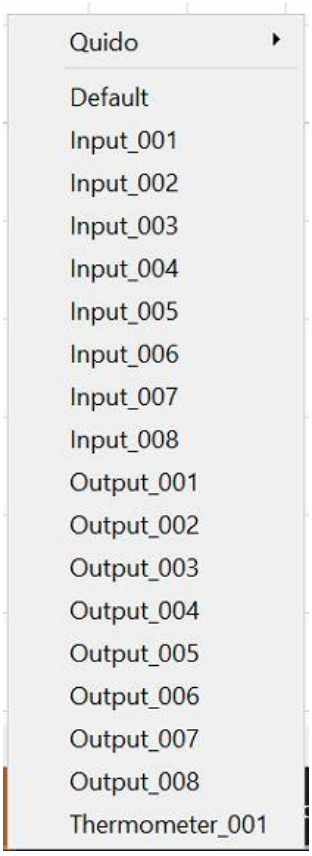


1. Open the **Map Editor**.



2. On the right, click on the Quido server. The Quido integration device will then be listed as a resource.

5.2.1 Add an Input



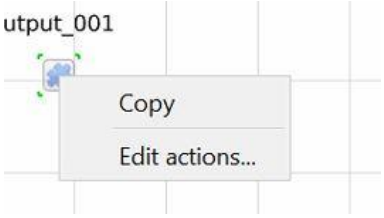
3. Drag and drop the Quido device from the Site Resources list onto the map area.

4. Choose an input or output from the drop-down menu.

The input or output will now be visible on the map interface.

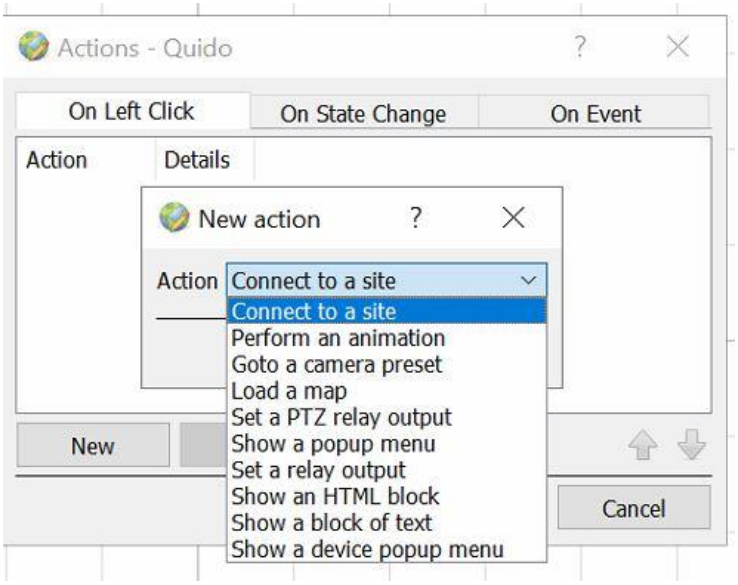
Note: To add multiple objects, repeatedly drag-and-drop the device resource from the Site Resources list onto the map area to bring up this option.

5.2.2 Edit Input



5. On the map interface, right-click on the output.
6. Select **Edit actions**.

5.2.2.1 On Left Click



In the **On Left Click** tab in the window that appears, select **New.**

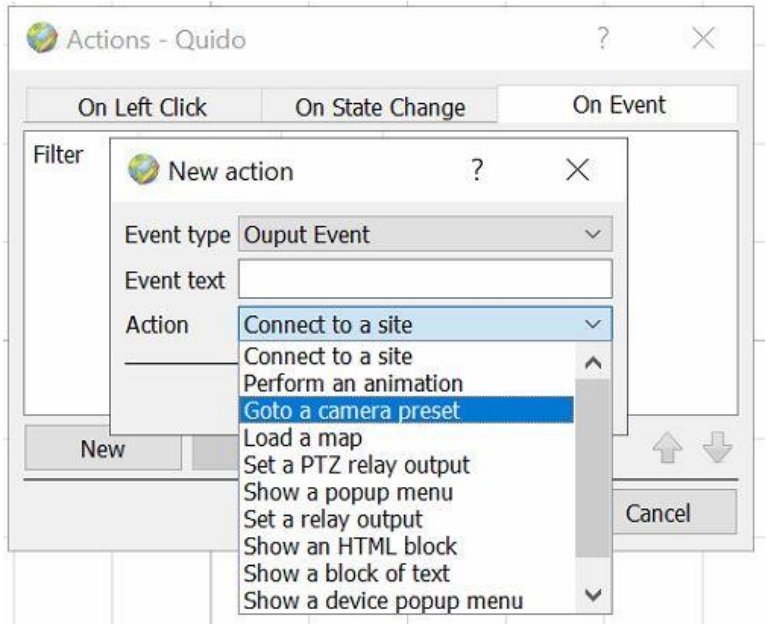
The user can choose an action from the drop-down list.

Once set, the list of actions will be displayed here.

Note: Multiple actions may be added to the map objects.

Action options are the same for all tabs, except for the Device Events Tab, which has the added option to Show a Device Event Notification.

5.2.2.2 On Event



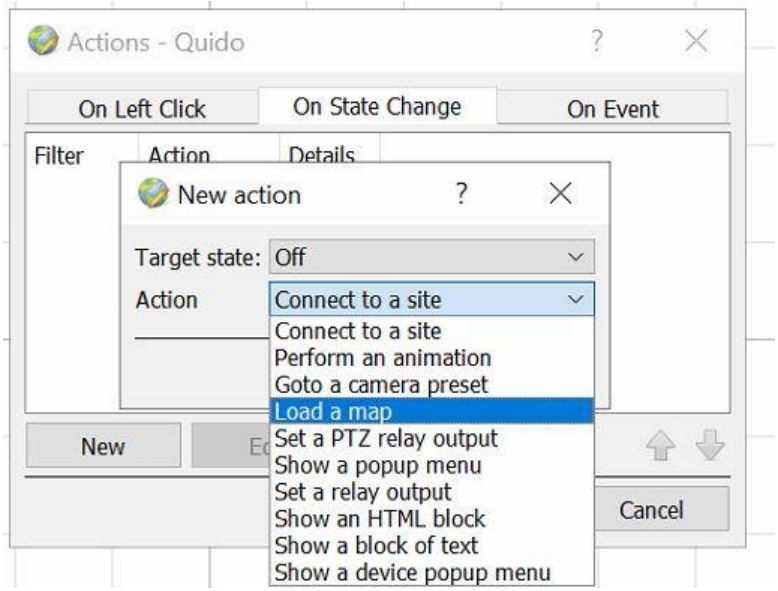
In the **On Event** tab, select **New**.

The user can choose the Event type (Any Event or Output Event) and select an action from the drop-down list.

Once set, the list of actions will be displayed here.

Note: Multiple actions may be added to the map objects.

5.2.2.3 On State Change



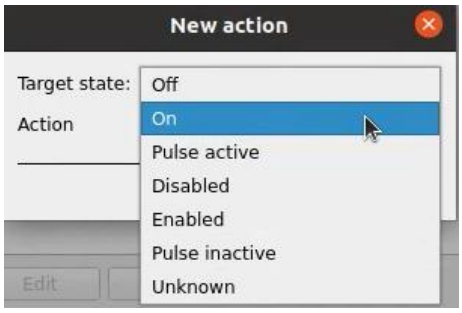
In the **On State change** tab in the window that appears, select **New.**

The user can choose an action from the drop-down list.

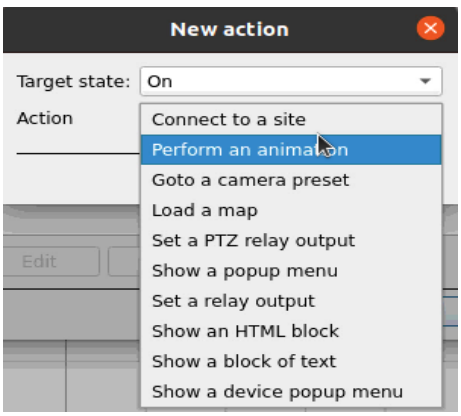
Once set, the list of actions will be displayed here.

Note: Multiple actions may be added to the map objects.

Target State – On

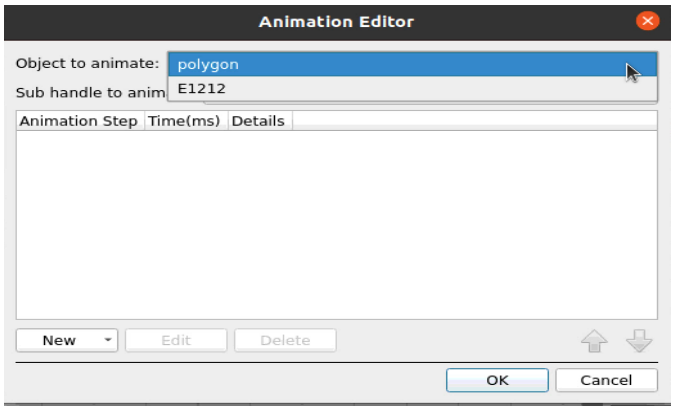


Select the **Target State** as **On**.

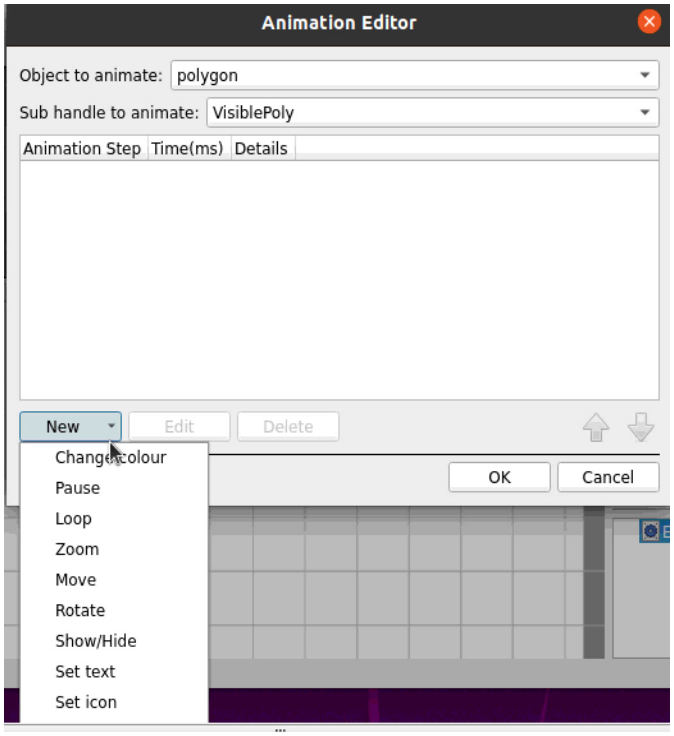


Select an Action. In this example, the user has selected **Perform an animation**.

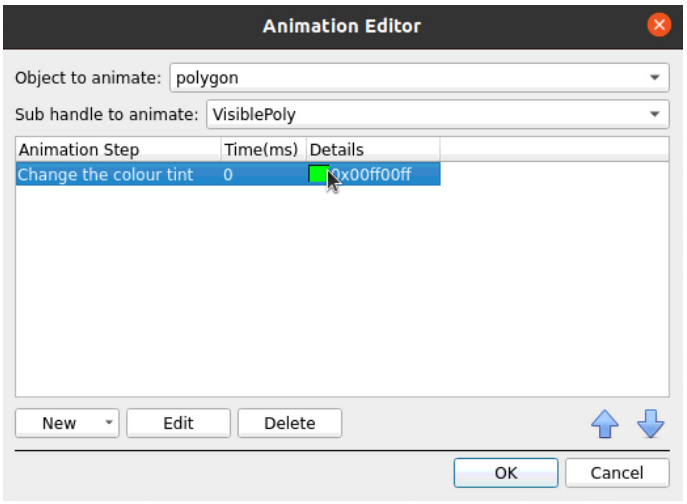
Click OK.



In the Animation Editor window that opens, select the polygon as the **Object to animate**.

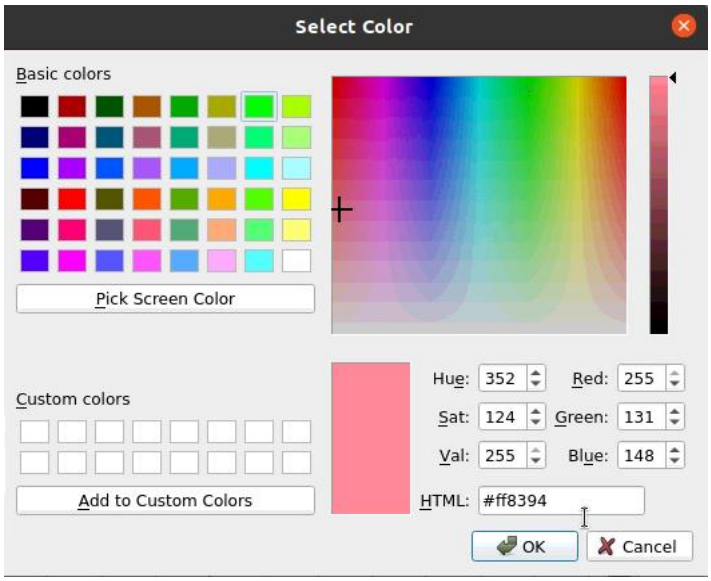


Select **Change colour** from the drop-down list.



Double-click on the block of colour under Details to edit the colour.

A window will appear with colour options.

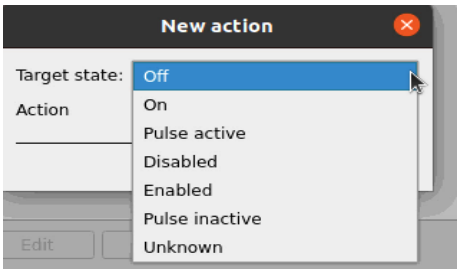


Select the colour which will indicate that the Target State is **On**. In this example, the user has selected red.

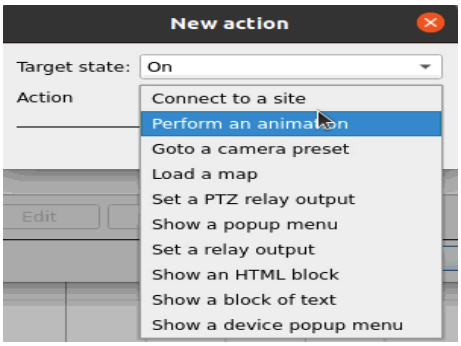
Click **OK**.

When returning to the **Animation Editor** window, click **OK**.

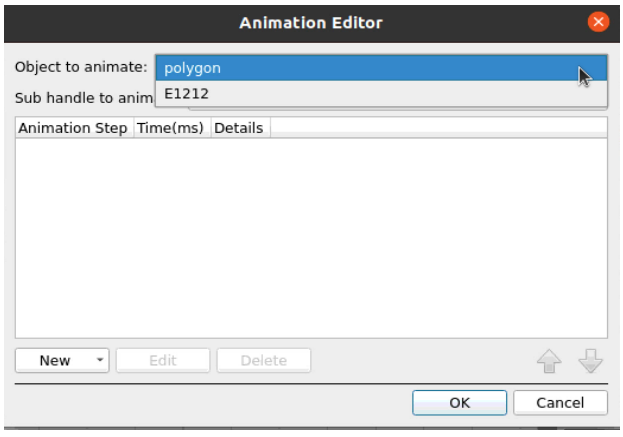
Target State – Off



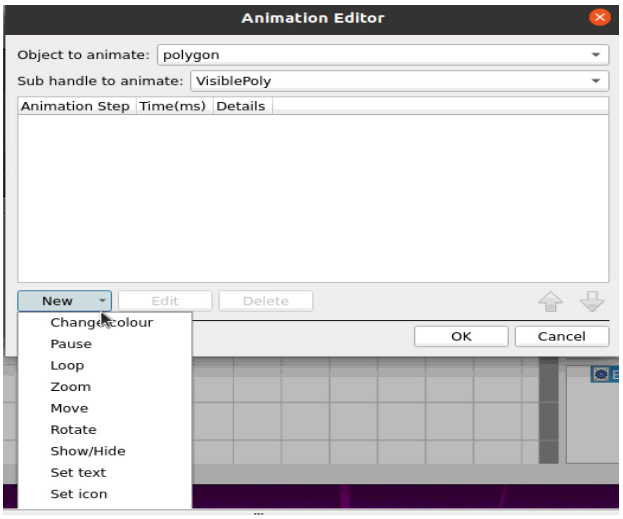
To change the settings for when the Target State is Off, select **Off** from the drop-down list.



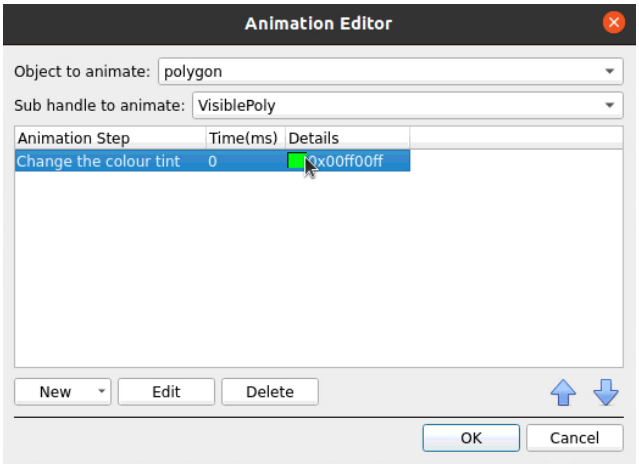
Select an Action from the drop-down list. In this example, the user has selected **Perform an animation**.



In the Animation Editor window that opens, select the polygon as the **Object to animate**.



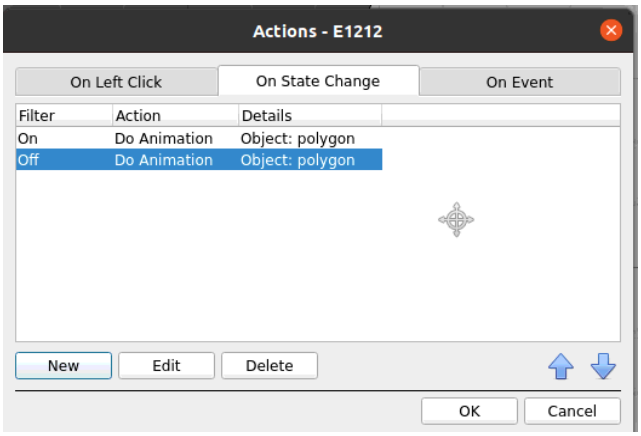
Select **Change colour** from the drop-down list.



Double-click on the block of colour under **Details** to edit the colour. A window will appear with colour options.

In this example, the user has chosen to keep the colour as green.

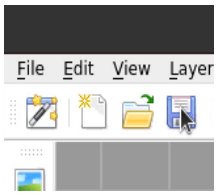
Click **OK**.



Click OK in the Actions – **On State Change** tab to confirm the selected settings.

5.3 Save Map

Note: The map **must not be saved** in the **Work** folder of the CathexisVision installation directory. Instead, create a new directory when saving.

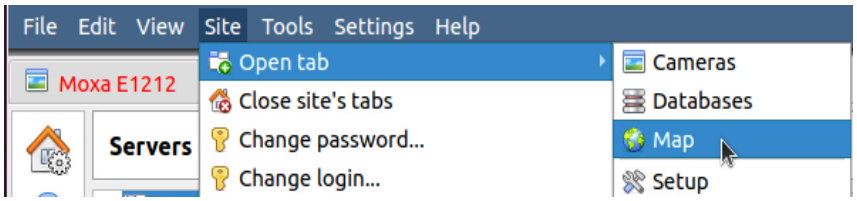


In Map Editor, click the **Save** icon.

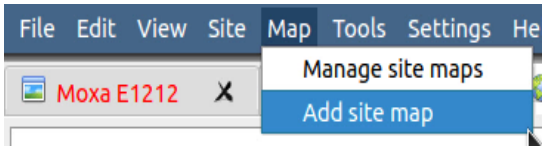
Then give the map a name and click Save.

5.4 Load Map on CathexisVision

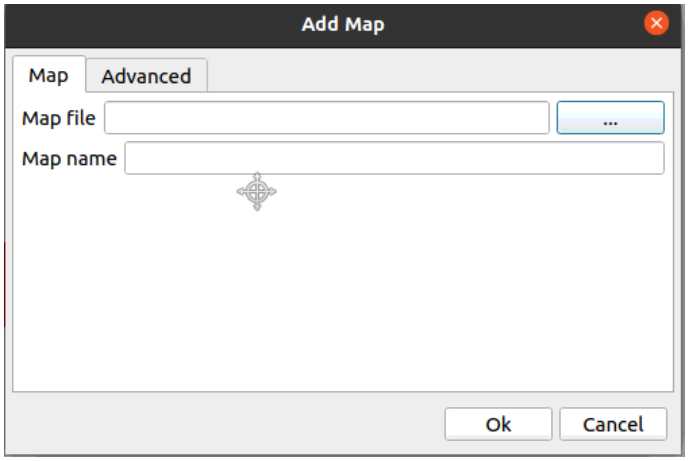
Upload the saved map to CathexisVision. Once the map is open, all objects added to the map area in the Map Editor will be visible on the map, and all actions set will be available.



In CathexisVision, go to **Site/ Open tab / Map.**



In the Map tab, go to **Map** / **Add site map.**



In the **Add Map** window that opens, click on the ellipsis icon to retrieve the **Map file**.

Then, select the Quido integration map from the directory and click Open.

The applied changes will be reflected on the map.

6. Conclusion

This app-note was designed to deal specifically with this integration. For further information about the CathexisVision software please consult the main manual (http://cathexisvideo.com/).

For support, please contact support@cat.co.za.