

Dormakaba Access Control Integration App-note

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1. Introduction

The document provides instructions for the integration the Dormakaba access control solution with CathexisVision.

Dormakaba is an integrated access solution for controlling and monitoring access on doors and locks and for managing entrance to and exit from the workplace. A defined group may be given access to certain buildings or areas. The systems allows for different products to be combined, or supplemented by mechanical, mechatronic locking systems, digital door components and personal interlock systems.

Up to two registration units can be connected directly to the Access Manager 9200, and further access readers via the RS-485 sub-bus.

Note:

- 1. For information regarding the regular operation of the Dormakaba access control system, please consult the manufacturer's documentation.
- 2. There is a General Integration section in the main *CathexisVision Setup Manual*. It contains information about creating an integration database, as well as a general introduction to the Integration Panel. **Read this section.**

1.1 Requirements

1.1.1 General Requirements

- CathexisVision 2023.1 or later
- Cathexis NVR 64-bit version
- Windows 10 Pro

1.1.2 License Requirements

License	Name	Description
CDKB – 3000	Dormakaba Access	This license includes the Dormakaba device license, and also
	Control Bundle	provides support for unlimited door licenses.

Note: In this integration, individual devices will require a license for each device.



1.1.3 Third-Party Device Information

This integration was tested on:

Hardware name	Dormakaba Access Manager 9200
Hardware model number	9200
Firmware as tested	BAME 04.07.268 RA - KCP
Third-party software name	Kaba Exos 9300
Third-party software version	4.2.1304
Third party software license/s required	Yes

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.

Note: In this integration, the Device objects are named Device, System, and Communication channel. The interface device should not be confused with the object named "Device." Objects named "Device" include panels and physical access points e.g. doors.

1.3 Features and Abilities

CathexisVision receives event messages from the Dormakaba device which can be used to trigger a CathexisVision system event.

1.3.1 Device Objects

Object Type				Abil	ities		
	•	This	integration	has	Device,	System,	and
		Comr	nunication ch	annel	objects.		
General	•	Devic	e objects can	be cor	nmanded	as an actio	n of a
		Cathe	exisVision syst	em ev	ent.		
	•	Devic	e objects sup	port o	verlays.		



Object Properties	 Events on the software can be used to trigger CathexisVision system and map events. Objects may be linked to cameras to associate device events with video footage. Name Data point type Device ID State Mode Address
Commands	 Licensed Block Block time limited Operation Release once Release permanently Release time limited Note: These commands do not apply to all device objects.
State: Communication hub, Access point, Door manager, Substation	 Normal operation Open Closed Connected Not connected Connection is being established Unknown Does not respond Download is running Starting
Mode: Access point, or Panel	 Access profile check Blocked Unknown Release once Release permanently Central decision Local decision
Object Properties Connection status	 ID Name Software version Connection status Connected Connecting Authenticating
	Commands Communication hub, Access point, Door manager, Substation Mode: Access point, or Panel Object Properties



Communication Channel Object Properties	 ID Name Channel status Details Creation type Creation time Idle time
---	--

1.3.2 Device Events

The CathexisVision Dormakaba integration generates Device events (logs), which are triggered on the device and reflected in CathexisVision.

Event Element	Features/Abilities
General	 Events triggered on the device are sent to CathexisVision. Event types are: Device.
Device Event Types: Logs	 ID Time Log type (Alarm or Access) Text Person ID Personal number Name Personnel type Card number Card role Device address Device name Data point type Substate F state Substate on/off
CathexisVision Event Actions	 An access point may be controlled via a CathexisVision event action to perform one of the following commands: Block Block time limited Normal operation Release once Release permanently Release time limited



Events generated by the device are reflected in CathexisVision, and can be used to create CathexisVision system events.

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 cameras 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	• All
Sort Options	• Time
Easy Search	 Time Log type Device address Device name Text Person ID Personal number Name Personnel type Card number Card role Data point type Sub-stat F Stat Sub-stat on/off Log ID internal
Filter	 Time Log type Device address Device name Text Person ID Personal number

Database Element | Features/Abilities



	Name
	Personnel type
	Card number
	Card role
	Data point type
	Sub-stat F Stat
	Sub-stat on/off
	Log ID internal.
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 <i>any</i> 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 CathexisVision 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.

USEFUL LINKS

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

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



2. Device Addition

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.

2.1 The Integration Devices 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.

Name		Driver			
Cat LPF	R	Catheois LPR			
ormal	kaba AC Durban Si	te Dormakaba Ac	cess Control		
-	ration of 'Dormak	caba AC Durban S	Site' Device events	Object groups	General
Object		bject properties		Object groups	General
Object	t configuration C	bject properties		Object groups Name	General
Object Object	t configuration C	Dbject properties ts •	Device events	Name	General
Object Object	t configuration c t type # All object Type	Dbject properties ts •	Device events	Name	General



2.2 Add a New Device

New device

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.

Axis IO				
BACNet				
BioAccess				E
C-Cure victor				
CaddX alarm Cathexis EIO3				
Cathexis LPR	148 Counter			
Cathexis POS				
	ess Control Panel			
Commend Int				
Cosmos alarn				
DSC IT100 ala				
DSC ITv2 Neo				
Dormakaba A	ccess Control			
Durban Sugar	Terminal weighbrid	dge		
Dynamass We	ighbridge			
EXgarde acce	ss control			
				8
New integrat	ion device			8
New integrat	ion device the device			-8-
New integrat		1		8
New integrat	the device	2		8
New integrat Configure Name Dorm Settings —	the device akaba AC Durban Site			8
New integrat Configure Name Dorm	the device akaba AC Durban Site	2		-9-
New integrat Configure Name Dorm Settings —	the device akaba AC Durban Site	1		-9-
New integrat Configure Name Dorm Settings — Hostname	the device akaba AC Durban Site	2		8
New integrat Configure Name Dorm Settings Hostname User	the device akaba AC Durban Site	3		8
New integrat Configure Name Dorm Settings Hostname User	the device akaba AC Durban Site	2		8
New integrat Configure Name Dorm Settings Hostname User	the device akaba AC Durban Site	2		8

3. Select the **Dormakaba access control** driver from the list, and click Next.

- 4. Give the device a descriptive **name**.
- 5. Enter the hostname of the server.

Note: This integration communicates with the device via the Dormakaba server.

- 6. Enter the **user** name and **password**.
- 7. Click Finish.

Finish Cancel



2.3 Select Device

The newly added device will show in the Devices section.

Devices		
Name	Driver	
COLOR N	Latinger Link	
Dormakaba AC Dur	ban Site Dormakaba Access Contro	

Click on the device name to select it.



3. Configuration

The configuration section is divided into five main tabs. These tabs are: **Object configuration**, **Object properties**, **Device events**, **Groups**, and **General**.

3.1 Object Configuration Tab

The object configuration tab is where all the individual objects that comprise the integration may be viewed. Here, objects can be linked with cameras and overlays can be configured.

The Dormakaba access control system has three object types: Device, System, and Communication channel.

bject	configuration Objec	t properties Device ever	nts Object groups General			
bject	type 🏼 🕷 All objects	•				
^	Туре	ID	Name	Cameras	Object groups	License
ų.	Communication chan	nel CommsChannelde	fault Default			
*	Device	Device.F01FS	TEST CH			0
*	Device	Device.10100010001RU	J Access_Point01(Front_door)Reader			0
1	Device	Device.10100010002RU	J Access_point02(Back door) Registration unit/Reader outs	ide		0
1	Device	Device.I0100010004BI	Access_point02(Back door) Door opener key inside			0
*	Device	Device.I01000101DR	Access_point01(Front_door)			0
*	Device	Device.I01000102DR	Access_point02(Back doo			0
*	Device	Device.I010001SS	Panel01_test			0
*	System	System.System	System			

Not all objects are automatically populated when communication to the Dormakaba device is established. Some device objects like the binary input/output will not be populated at startup, but will be added once an event triggers on them.

3.1.1 Object Configuration Buttons

New	
Edit	
Delete	

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.



3.1.2 Object Configuration Right-Click Options

New
Disable
Delete
Properties

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

Disable/Enable allows objects to be enabled/disabled manually.

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.

3.1.3 Edit Object

Open the object editing window by selecting an object from the list, and right-clicking Properties.

This window is where cameras are added to objects, overlays are configured, and access rights to the integration are added. These are dealt with in two tabs: **Cameras** and **Access**.

3.1.3.1 Properties: Camera

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.

Edit object		
t object Edit object set	tings	i e
ame Access n	oint02(Back door)	
Cameras	Access	
Camera 1	Back Door Entrance Cam 🔹 🤌 🧃	
Add camera	1	
		OK Cancel

Add camera

To **add** a camera, click Add camera, and select the relevant model from the drop-down menu.



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

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



Note: If *continuous recording* is not set up on associated cameras, there is the risk of an object event triggering while the cameras are not recording. To record cameras only when an object triggers, set up **Events** that trigger a recording, when one of these objects is activated.

3.1.3.2 Properties: Access

Access can be used to protect sensitive objects, by allowing only certain user levels access to them.

Cameras Access				
Use the default acco	ess rights for 'Co	ontroller' objects	Configure de	efault access
View	Level 1	Level 2	Level 3	Level 4
Emergency open mode Lockdown mode	Level 5	Level 6	Level 7	Level 8
Normal mode	Level 9	Level 10	Level 11	Level 12

There will be a list of objects, for which access level may be set.

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

3.1.4 Configure Overlays

Overlays may be configured globally for all objects, or individually for selected objects (Device objects).

The path to follow for opening the configuration window for global or individual overlays is different, however the overlay configuration process is the same.

3.1.4.1 Configure Global Overlays

Global overlays may be configured for **Device** objects. If global overlays are configured for Device objects, then configuration will then apply to *all* door objects.

Navigate to the global overlays setup by first opening the **Object configuration tab**. Choose an object type.

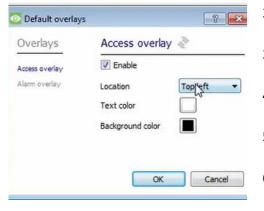
Object configuration	Object properties	Device events	Object groups	General		
Object type 🕼 Devic	ie 🔻	R				
ID ^	Name	WDe ault settin	ngs	c	ameras	Obje
Device.F01FS	TEST CH					
Device.10100010001F	RU Access_Point01(F	ront_door)Reader				
Device.I0100010002F	RU Access_point02(E	ack door) Registr	ation unit/Reader	outside		
Device.101000100048	I Access_point02(E	ack door) Door o	pener key inside			
Device.I01000101DR	Access_point01(F	ront_door)				
Device.I01000102DR	Access_point02(E	ack door)		В	ack Door Entrance Cam, Back Door Exit Cam	1
Device.I010001SS	Panel01_test					



ß

1. Select the spanner icon next to the drop-down menu to configure the global overlays for the chosen object, e.g. door.

A new window will open.



- 2. Select either **Access overlay or Alarm overlay** on the left hand side.
- 3. **Enable**: Check the box to enable overlay configuration.
- 4. Define the Text size by selecting from the dropdown menu.
- 5. Define the **Location** of the overlay by selecting from the drop-down menu.
- 6. Chose the **Text colour** and **Background colour** of the overlay stream.

3.1.4.2 Configure Individual Overlays

For individual devices, there is a choice to use the global overlay settings (above), which apply to all objects, or to configure the settings for an individual device.

For example, the overlays for the camera on a door might be configurated to show up with yellow text, while all other events display in red.

Objec	ct configuration	Object pro	operties	Device events	Object groups	General		
Objec	ct type 🏼 🕷 All ot	ojects	-					
^	Туре		ID		Name			Came
щ.	Communicati	on channel	Comms	hanneldefault	Default			
*	Device		Device.F(1FS	TEST CH			
*	Device		Device.10	ce.I0100010001RU Access_Point01(Front_door)Reader				
*	Device		Device.10	Device.I0100010002RU Access_point02(Back door) Registration unit/Reader ou			outside	
3 ²⁴	Device		Device.10	100010004BI	Access_point0.	2(Back door) De	oor opener key inside	
*	Device		Device.10	1000101DR	Access_point0	L(Front_door		
*	Device		Device.10	1000102DR	Access_point0		Door opener key inside	
*	Device		Device.10	10001SS	Panel01_test	43	Disable	
*	System		System.S	ystem	System			
							Delete	
							Properties	

 Right-click an item in the list and select
 Properties to edit the object.

Click the colour boxes to bring up a colour chart.



Cameras	Access			
Camera 1	Back Door Entrance Cam	•	B	
Add cam	era			

Overlays	Access overlay 4	Use defaul
Access overlay		
Alarm overla		

? **X** 🗿 Configure overlays Overlays Access overlay ∛ Use defaults V Enable Access overlay Alarm over Location Bottom right 💌 Text color Background color OK Cancel

2. Add a camera to the object, or, select a camera from the drop-down menu.

- 3. Then **click** the **settings** icon that appe ß camera name.
- 4. Uncheck the 'Use defaults' box to configure the overlays.
- 5. Select either Access overlay or Alarm overlay on the left hand side.

6. Enable: Check the box to enable overlay configuration.

7. Define the Text size by selecting from the drop-down menu.

8. Define the Location of the overlay by selecting from the drop-down menu.

9. Define the Text colour and Background colour of the overlay stream.

- Click the colour boxes to bring up a colour chart.

3.2 Objects Properties Tab

The Object properties tab allows objects to be viewed, sorted by type.

In the case of the Dormakaba access control system, there is the option of viewing by Device, System, and Communication channel.

Object config	uration	Object properties	Device events	Object groups 0	General				
Object type	# Devic	e 🔻							
Mamo	# Devi			Data point type	Device ID	State	Mode	Address	Licensed
TEST CH		munic on channel		Communication I	hub FS1	Normal operation	-	F01FS	0
Access_Poin	nt01(From	nt_door)Reader		Registration unit	8	-		I0100010001RU	0
Access_poin	nt02(Back	k door) Registration u	init/Reader outside	Registration unit	11			I0100010002RU	1
Access poin	nt02(Baci	door) Frame contac	t	Binary input		-	-	I0100010003BI	0

Commands can be configured from the Object properties tab.



3.2.1 Controlling Commands on Dormakaba

Select the object from the drop-down menu in the **Object properties** tab. In this case, the object type is **Door**.

Object configuration	Object properties	Device events	Object groups Ge	neral			
Object type 🚺 Devic	e 🔻						
Name			Data point type	Device ID	State	Mode	1
TEST CH			Communication h	ıb FS1	Normal operation	in -	F
Access_Point01(From	nt_door)Reader	Registration unit	8	-	-	1	
Access_point02(Bac	Registration unit	11)+	-	N		
Access_point02(Bac	k door) Frame contac	t	Binary input			-	I
Access_point02(Bac	k door) Door opener	key inside	Binary input		-	*	N
Access_point01(From	nt_door)		Access point	DR3	Open		
Access_point02(Bac	k door)		Access point	DR5	Closed	Block	
Panel01_test			Substation	SSI4	Connecte	Block time limited	
						Normal operation	
						Release once	
						Release permanently	
						Release time limited	

- 1. **Right-click** an item on the list.
- 2. Choose the **command** which appears.
- 3. If a new window open, fill in the fields.

Commands will reflect in the Device events tab. Click the Device events tab to view.

The following commands are available:

Object	Command
Device	Block
	Block time limited
	Normal operation
	Release once
	Release permanently
	Release time limited

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.

Return to CathexisVision and navigate to the Integration Panel. Open the Device events tab.

Object configuration	Object pr	operties Device event	s Object	t groups General						
Log 🔻									1	Filter
Time	Log type	Text	Person ID	Personal number	Name	Personnel type	Card number	Card role	Device address	Device name
	regipte	Test	1 01001110	r craonar manne cr						
		Short circuit of contact		, cisone name ci		-			10100010003BI	Access_point02(Back door) F
2022-11-08 10:46:50 2022-11-07 12:49:23	Alarm	Short circuit of contact		04		- Employee	Evert	-	I0100010003BI	

Use the drop-down menu to sort the events. Choose between displaying: All events, and Log (device events).



3.4 Object Groups Tab

Groups of the same type of object can be created.

Object configuration Object properties Device events Object groups General		
Group 🖉 Front Door Object 👻 🎦 🁔		
Available objects		Objects in 'Front Door Object' group
Name	6	Name
TEST CH		
Access_Point01 (Front_door) Reader		
Access_point0_Back door) Registration unit/Reader outside		
Access_point02(Back door) Frame contact		
Access_point02(Back door) Door opener key inside		
Access_point01(Front_door)		
Access_point02(Back door)		
Panel01_test		
		~
		\$
		(*)

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

3.4.1 Create a Group

1. To create a group, click on this icon.A new dialogue box will open.

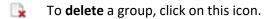
	the new object group
Group name	Front Door Object
Object type	Jevice

2. Give the group a descriptive Group name.

3. Click on the drop-down menu to select the **object type** to group.

Note: Once a group has been created, the object type of the group cannot be edited.

To **edit** a group, click on this icon.



The next step is to add individual objects to the group.



3.4.2 Add or Remove Objects

After creating a group, a list of all the available objects for that group will be displayed in the Available objects panel, on the left-hand side. Objects can then be chosen from this list, and added to the group.

Name	
TEST CH	
Access_Point01 (From	nt_door)Reader
Access_point0_Bac	k door) Registration unit/Reader outside
Access_point02(Bac	k door) Frame contact
Access_point02(Bac	k door) Door opener key inside
Access_point01(From	nt_door)
Access_point02(Bac	k door)
Panel01_test	

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.

Name
Access_Point01[[cront_door)Reader
ccess_point01(Front_door)

Once individual objects have been added to the group using the arrows (above), they will appear in the section on the right-hand side.

The object group information will also reflect in the Objection configuration tab:

Objec	t configuration Object pr	operties Device events	Object groups General		
Objec	t type 🏼 🕷 All objects	•			
^	Туре	ID	Name	Cameras	Object groups L
Ψ.	Communication channel	CommsChanneldefault	Default		
*	Device	Device.F01FS	TEST CH		6
*	Device	Device.I0100010001RU	Access_Point01(Front_door)Reader		Front Door Object 🔕

3.5 General Tab

The General tab of the Configuration section (Integration panel) deals with the integration database. Setup must be completed here, before the Databases tab can be used to search events and view associated footage.

From the General tab, the user must:

- Select an existing database, or
- Configure a *new* database.

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



3.5.1 Configure a New Database

- The first time an integration database is added, the general integration database will need to be • initialised.
- Once the general integration database has been initialised, then a database for a *specific integration* can be created.

3.5.1.1 Initialise the Integration Database

If an integration database has not yet been created, follow the steps below.

bject configuration	Object properties	Device events	Object groups	General
ntegration database	select integration da	atabase 🔞		45
26				
Configure integrat	ion databases			
🖺 Configure integrat	ion databases			
Configure integrat	ion databases			

1. Click the Configure integration databases button from the General tab.

This opens the Integration database setup window.

latabase setup (direct)	? ×2. Select the unit to which the database will be added, from the list on the left.
	3. Then, click Initialise integration database.
Initialise integration database	Initialise integration database
	Close
O Initialise integration database	4. Choose the partition on which the database

Partition	C:\(C:\)
Total space available	29062 MB
Disk space allocated to integration database	1000MB

will be created.

5. Select **disk space** allocation.

6. Click OK.



3.5.1.2 Add a New Devices Database

After initialisation, the database can be added to the integration.

gration m the
n the

Integration database setup (direct) REEGAN-WINDX Key Name Size(mb) Enabled Flags	This opens the integration database setup window.
New Edit Delete	New 2. Click the New button.

A dialogue will appear for creating the integration database.

Database name	bormakaba AC BD	
Size (Max: 300 MB)	100 MB	
Driver	Dormakaba AC (1.1.1)	-

- 3. Give the database a descriptive **Database Name**.
- 4. Allocate a **Size** to the new device database.
- 5. Select the device **Driver (Dormakaba),** from the drop-down list.
- 6. Click **OK** to create the database.



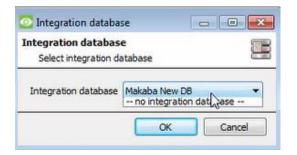
LWAZI-COSEC-SER (MAS	Key	Name	Size(mb)	Enabled Flags	Integration database setup panel.			
	₩3	Cat LPR	100	Yes				
	4	Makaba New DB		Yes	Commentaria 7 Click Close to return to			
	287	Dormakaba AC da	b 100	Yes	7. Click Close to return to			
					the General tab.			
			S.					
			45					
		New	dit	Delete				

3.5.2 Select the Dormakaba Integration Database

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

Object configuration	Object properties	Device events	Object groups	General	1. Return to the General tab.
Integration database	select integration da	atabase 🐑		43	2. Then, click the settings
🕮 Configure integra	tion databases				icon.
General settings					

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



3. Select the Dormakaba database from the drop-down menu.

4. Then click OK.

Once selected, the database will reflect in the General Tab as shown below.



Object configuration	Object properties	Device event	Object groups	General
Integration database	Makaba New DB	6		
Configure integra	tion databases			

Note: The information on setting up an integration database may be found in the **Integration Devices General Settings** section of the *CathexisVision Setup Manual*.



4. CathexisVision System Events

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

Most of the data that CathexisVision receives from a device is presented in the Events interface. This gives the user a full range of options. As a result, some of the options presented in the interface may be *impractical* as an event trigger, or action.

4.1 Event Window

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

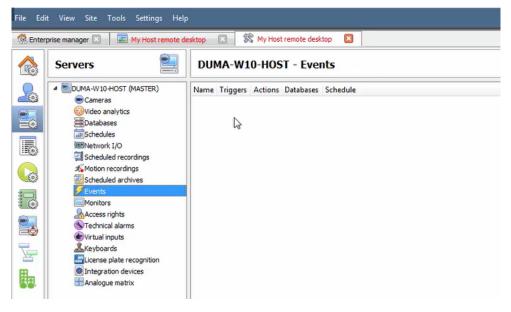
- In the **General Tab**, an event is given a name, description, schedule and priority.
- In the **Triggers Tab** the trigger/s for the event is defined.
- In the Actions Tab the action/s which the event takes, is defined.
- In the **Resources Tab** the various site resources which can be used as part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

4.2 Creating an Event

To create an event using the Dormakaba access control system, navigate to the Events management area by following the sequence: **Open Tab / Setup / Servers / Master Server / Events**. This is shown below.



This will allow the user to enter the Events management area:





New

Once in Events management area, click the **New** icon at the bottom of the screen.

This will open up the **New Event window**.

The new event window has four tabs which can be used to set up the event: General, Triggers, Actions, and Resources.

4.3 General Tab

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

💽 Kaba	1. Give the event a descriptive Name .
New Event Kaba General Triggers Actions Resources	 2. Set up a Schedule if desired by clicking the icon.
Name [Kaba] Description (2)	2. Select a Priority .
Schedule Always Priority Low	3. A description may be entered. Or, modify the Description if relevant according to the instructions below.

Note for group triggers: For an event to be databased under the name of a specific object, and not the name of the triggering group, modify the Description field in the **General tab** of the Event setup.

Click on the question mark icon to see a list of available descriptions and instructions for how to enter these descriptions.

4.4 Triggers Tab

A trigger is a user-defined input, for example, the user may choose to define the trigger as a door opening on an access control system.

Once the user defines the *trigger*, it can be used to cause a subsequent *action*.

Ne	w Event				
	New event	i -			
	General	Triggers	Actions	Resources	
		<i>lard triggers</i> to <u>ctions while</u> <u>a</u>		event llowing are true	4
		Description	n		

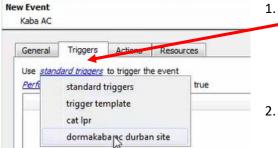
The user will need to click on the hyperlinks (depicted alongside) to set up the trigger.

The subsections below provide instructions.



4.4.1 Set the Device as the Trigger

For a new event, the trigger type will default to "standard triggers". The user will need to change this to the Dormakaba system.



To change the event trigger, click on "standard triggers"
 (the hyperlink after the word "Use").

This will open a drop-down menu with more options.

2. To set **Dormakaba** as the trigger, **select the name** from the drop-down menu.

4.4.2 Trigger Types (Trigger Using)

In desired					
Trigger using		11.00	rigger the event		
Start actions i	*	any device		u r	
	*	any system			New
	*	specific devic	e	• #	Access_point01(Front_door)
	*	specific syste	m	• #	Access_Point01(Front_door)Reader
	ų.	Communicat	ion channels	#	Access_point02(Back door) Access_point02(Back door) Frame contact
		any device ev	rent	*	Access_point02(Back door) Registration unit/Reader outs
				*	Panel01_test TEST CH

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.

MENU OPTION	DESCRIPTION OF TRIGGER TYPE		
Any [device]	This will trigger if anything happens on any device i.e. any door.		
Any system	This will trigger if anything happens on any Dormakaba system.		
Specific [device]	This will trigger on the specific object chosen for example, Access_point01.		
Specific system	This will trigger if anything happens on a specific Dormakaba system		
Any device event	This will trigger, initially, when any event occurs on the integration.		

4.4.3 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*.

General	Triggers	Actions	Resources	
Trigger us	ing any h	<u>ce</u>	rigger the event	ur
	ion			

To change these settings, click on the 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
<u>, energi dedono vinic</u>	<u>all</u> of the properties meet the following criteria

4.4.4 Define the Trigger ("Any Device Event" Option)

After using the hyperlinks to set up how the trigger will be defined, the user may proceed to creating a new *device* event.

One of these options is to select *any of the following device events occur*.

Description	any of the following device events occur	6	New
	any of the properties meet the following criteria		Edit
			Delete

Pictured alongside is the **Triggers tab** where a user selects *any of the following device events occur*.

New

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

Clicking on New will bring up the New device event trigger dialogue box.



4.4.4.1 New Device Event Trigger

The user will then need to configure the new device event trigger.

w device event trigger Configure settings	3
Event Log	4 - F +
Description	10 New
	Edit

- 1. Select the **type of Event** where applicable.
- 2. Choose a schedule.
- 3. Choose whether *any*, or *a* constraints need to be fulfilled to set off a trigger.
- Use the new/edit/delete buttons on the right-hand side to add a device event rule (a constraint). Follow the instructions below.

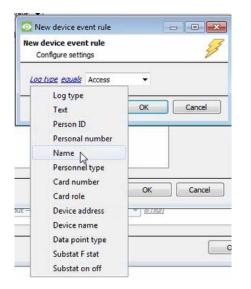
4.4.4.2 New Device Event Rule

Note: From within the **New device event trigger** window (above), it is necessary to set further constraints. Multiple constraints can be set. If constraints are not defined, every device event will trigger this event.

New

1. To configure a New device event rule, **click on New** in the New device event trigger window.

This will bring up a further window, called **New device event rule**.



 Change the constraint by clicking on the first hyperlink (which is "Log type" in this example).

This will bring up the full list of available constraints.

- 3. Click an item to select it.
- To modify the way this constraint will be treated, click on the second hyperlink (which is "equals" in the example). This will display further options.
- 5. Click an option to select.



Follow the instructions below to define the constraint.

Defining a Constraint: Drop-Down Menu or Written Description

When all available options are known to CathexisVision, a drop-down menu will appear alongside the chosen constraint.

New device event	rule	- 5
lew device event ru Configure settings	ıle	Z
Device name equals	oint02(Back door) Frame contact	-
<u>Device name</u> equals	oint02(Back door) Frame contact Access_point02 Frame contact Access_point02Reader outside	-

6. **Click an item** from the drop-down menu to select.

Or, if the variables for a constraint are *not* predefined, fill them in manually.

4.4.5 Define the Trigger ("Properties Meeting Criteria" Option)

If the user has defined the trigger by choosing according to *properties meeting criteria*, the **New object property trigger** dialogue box will open.

- In these instances, further constraints do not need be set, since they are being added one at a time.
- This option is better if a few triggers have been selected.
- This is also true for groups, since a group may only be made up of one object type.

4.4.5.1 New Object Property Trigger: Configure Settings

	object property trig configure settings	ger		23
Da	ta point type equals Ac	cess point		•
	Data point type Name Device ID		ОК	Cancel
	State			
	Mode			

- 1. Select the event type by clicking the first hyperlink.
- 2. **Further define** the rule by clicking the second hyperlink.

Defining a Constraint: Drop-Down Menu or Written Description

When all available options are known to CathexisVision, a drop-down menu will appear alongside the chosen constraint.



State equals	-	-	
Schedule	Connected Connection is being established Does not respond	^	
	Download is running Locked Normal operation	11	Cancel
	Not connected		-
	Open Starting Unknown	-	
New object	property trigger	-)	•
	operty trigger	_)	•
ew object pr	operty trigger ettings	-1)	•

3. **Click an item** from the drop-down menu to select.

4. If the variables are not pre-defined, fill them in manually.

Note: Descriptions are *case sensitive* and must be identical to how they appear in the Object Properties tab.

4.5 Actions Tab

General Triggers	Actions	Resources
Description		
Description		

Having defined the triggers that will initiate an event, the user will need to define Actions.

Select the Actions tab from the New event window.

One of the available actions will be to *control* a **Dormakaba** device.

4.5.1 Adding an Action

New

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

 New

 Image: Record camera...

 Image: Record trigger cameras...

 Image: Control virtual input...

 Image: Control Dormakaba AC Durban Site ...

 Image: Call base-station...

 Image: Call base-station...

 Image: Send email...

 Image: Record trigger cameras...

 <tr

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

2. Select an option, for example, Record Camera.

4.5.1.1 Actions: Control Device

- 婈 Control Dormakaba AC Durban Site ...
- 1. Click a Control device option to bring up the **control device** dialogue.



💿 Control device

Select the object to control

I0 1000 100SD Panel01_test TEST CH

Access_point01(Front_door) Access_Point01(Front_door)Reader

Access_point02(Back door)

Access_point02(Back door) Door opener key inside Access_point02(Back door) Frame contact

Access_point02(Back door) Registration unit/Reader outside

Control device

🗸 🕷 Device

Under the **Device** tab, the user defines how the device will be controlled. Under the **Advanced** tab, the scheduling of the action is defined.

ntrol dev Configure	
Device Object to Command	\$
-	

Configure Command Window: Device Tab

2. To select an Object, click on the settings icon.

This shows all the Objects available on the **Dormakaba** integration.

- Under the object type parent group (Device), select the individual objects to control.
 - 4. Click OK.

Ontrol device		_		×
Control device Configure commar	ıd			
Device Advar	iced			
Object to control	Access_point01(Front_door)	6		
Command	Block Block time limited Block time limited Normal operation Release once Release permanently Release time limited			
	OK		Can	icel

- The command drop-down will change to represent the commands available to that Object.
- 6. Click OK.



Configure Command Window: Advanced Tab

Device	Advanced					
Perform a	action at the st	art of th	ne ever	nt ~		
Rep	∂t action every	10sec	-			
Don't	run action agai	n until	10 0	seconds	1	have passed

 Choose to perform action: either at the start of the event, or once the event triggers have subsided.

The two checkboxes allow the user to set the action to repeat every few seconds, and/or not run for a period after it has triggered.

8. **Select a schedule.** This is a standard Cathexis schedule, which may be applied to the actions.

4.5.1.2 Actions: Record Camera

If the user has selected a new action to record camera, the following setup steps are required

Camera Advan	ced		
Camera	Bosch	•	
Database	bosch	•	
Recording channel	#1-H264 CAT (1920x1080 30fps)	•	
Frame-rate	Full rate	-	
Record for	the duration of the event	-	
Pre-events	0sec	A	

Click the drop-down menus to see more options and click to select the appropriate option.

- 1. Choose the **camera** appropriate for the event.
- 2. Choose the **database** to which the video recordings will be saved.
- 3. Edit **Recording channel**, **frame rate**, and **recording duration** if necessary.
- Next to pre-events, increase the amount of time when recording begins before the event.
- 5. Click OK.

4.5.1.3 Actions: Call Base-Station

If the user has selected a new action to call base-station, the following setup steps are required. Use the tabs along the top of the window.



Call Base-Station Tab

4	Call ba	se-station			×		
C	Configure base-stations to call						
	Call base	-station	Alarm preview	Advanced			
	First try	New base	-station ~	* 2			
	then try	select b	ase-station $$	*			
	then try	select b	ase-station ${\scriptstyle \lor}$	* 🖉			
	then try	select b	ase-station ${\scriptstyle \lor}$	* `` 🖉			
	Send	resource i	nformation (came	ras and audio)			

1. Click the **edit icon** next to a basestation to configure.

0

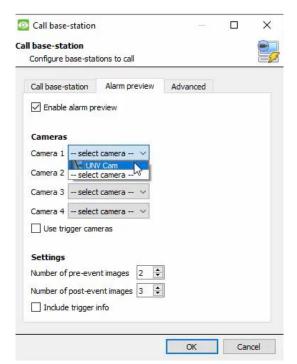
💿 Edit — 🗆 🗙						
Edit New base-station						
Name Abu E Type Cathe	· · ·	se-stati	on			
IP address 127.0 .0 .1						
C	К	Ca	ancel			

2. In the window that opens, edit or enter the **name** of the base-station and select the **type**.

3. Ensure that the **correct IP address** has been entered. This is the IP to receive the alarms on the specific unit.

4. Click OK.

Alarm Preview Tab



- 5. Click the checkbox to Enable alarm preview.
- 6. Select an appropriate camera/s.
- 7. Click OK.



Advanced

Call base-station	— 🗆 X
Call base-station Configure base-stations to call	2
Call base-station Alarm preview Advance	ed
Perform action at the start of the event start of the event end of the event	
Don't run action again until 10 🗧 seconds	s 🗸 have passed

 From the Advanced tab, choose to perform the action either at the start of the event, or once the event triggers have subsided.

The two checkboxes allow the user to set the action to repeat every few seconds, and/or not run for a period after it has triggered.

9. Select the schedule. This is a standard Cathexis schedule, which may be applied to the actions.

4.6 Resources Tab

	Audi	o input	
amera 🔹	se	lect audio input	•
amera 🔹	Audi	o output	
amera 🔹	se	lect audio output	•
amera 🔹	-		
amera 🔹	•		
amera 🔹	•		
amera 🔹	•		
amera 🔹	-		
	amera amera amera amera amera amera	amera v se amera v Audi amera v amera v amera v amera v amera v	amera Audio output amera Audio output amera amera amera amera amera amera

In the Resources tab, users can select the cameras, audio input, and audio output to be used.

The default is to select "Use trigger resources."

5. Camera Tab Overlay Setup

Once all the relevant settings have been configured, the fence system *overlay* can be pulled through over the appropriate camera feed.

Note: Cameras must have already been added to device objects, and overlays need to have been configured.

5.1 Navigate to the Cameras Tab

Site	Video wall	Tools	Settings	ł	Help	
6	Open tab			F		Cameras
1	Close site's tab	s				Databases
8	Change passw	ord			0	Map

To see the camera feeds, go to the Cameras tab by following this path.

Site / Open tab / Cameras

5.2 Video Feed Options Panel

To bring up the overlay, click the arrow to the left of the screen. This will pop out the Video feed options panel.

The Video feed options panel will present options specific to the settings that have been configured.

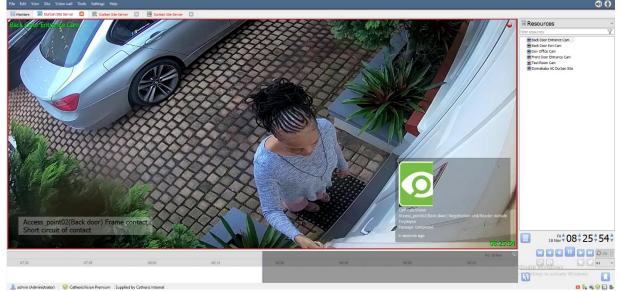
5.2.1 Select the Overlay



1. Clicking this icon will bring up the overlay options for this video feed.

2. Select the device and enable the overlay.

The overlay will appear over the video feed, as below.





6. Database

The Databases tab allows the user to navigate to the databased entries for each individual database. In the Databases 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 Databases tab.

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

6.1 Navigate to the Database

To view information stored in the Integration, first navigate to the Databases Tab:

Site Tools Settings Help	
🐻 Open tab	🕨 🧮 Cameras
🚷 Close site's tabs	🗮 Databases
🔑 Change password	🍪 Мар



2. **Select** the **Dormakaba** integration database from the database panel that opens on the left-hand side.

tab / Databases.

1. Follow the path on the left: Site / Open

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

Below is an image of a **Dormakaba** database.

Time	Log type	Device address	Device name	Text
2022-11-08 12:37:19	Access	10100010002RU	Access_point02(Back door) Registration unit/Reader outside	Access authorised
2022-11-08 12:37:20	Alarm	I0100010003BI	Access_point02(Back door) Frame contact	Short circuit of contact
2022-11-08 12:37:20	Access	10100010002RU	Access_point02(Back door) Registration unit/Reader outside	Passage completed
2022-11-08 12:42:49	Alarm	I0100010003BI	Access_point02(Back door) Frame contact	Interruption of contact
2022-11-08 12:42:49	Alarm	I0100010003BI	Access_point02(Back door) Frame contact	Short circuit of contact



6.2 Database Interface

View Events ~	sorted by Time V Q No EasySearch V T 📑 🗐			
1	(2) (3) (4) (5) (6)			
Goto Timestamp 202	22-06-24 10:14:51			
	Change the way that the database is presented. Some integration databases have			
(1)	multiple view options.			
View	Click the field to see the available options in the drop-down menu.			
	View All ~			
	The database view presentations available for the Dormakaba integration are:			
	• All			
(2)	Sort the Events based on the following parameter: Time.			
Sorted By	sorted by Time \sim			
3	Easy Search options allow quick searching of the database.			
G	Click the field to see the available options in the drop-down menu.			
Easy Search	Q No EasySearch ✓ ▼ □ □			
	The following options are available:			
	• Time			
	Log type			
	Device addressDevice name			
	Text			
	Person ID			
	Personal number			
	• Name			
	Personnel type			
	 Card number Card role 			
	Data point type			
	Substat F Stat			
	Substat on/off			
	Log ID internal			
	Filter offers a more advanced manner of sorting information in the Integration			
$\mathbf{\cdot}$	Database table.			



Filter	Once the filters dialogue is open, the following options are available:			
	1. To enable filters, check this box: 🔽 Enable filters			
	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 $\overline{6}$.			
	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:			
	Set time range ? ×			
	Time range is			
	Preset Week to date			
	O Specific From 23 ↓ June 2022 ↓ 08 ↓ 00 ↓ 00 ↓			
	to 23 🕹 June 🗸 2022 🖨 08 🖨 00 🖨 00 🖨			
	O Previous 1 + Hours V			
	\bigcirc Period of 1 \clubsuit Hours \checkmark from 00h00 \checkmark 23 \clubsuit June \checkmark 2022 \clubsuit			
	OK Cancel			
	Note:			
	1. Multiple filters may be run simultaneously. Filters with the same parameters			
	may be run more than once.			
	2. To change a filter, click on the blue hyperlinked text.			
	Generate metadatabase reports in PDF or CSV format. See below.			
(5)				
Export				
6	Generate scheduled metadatabase reports. See below.			
\bigcirc				
Manage Reports	This province to a specific point in time, down to the second To as included			
(7)	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.			
Go to Time	Then, click on the arrow icon.			

6.2.1 Generate and Export Metadatabase Reports

1. Click the save icon to open the Export window.



Export	? ×	2. Select the Period to export, and enter the
Select the period to export		required details.
● Preset Month to date ○ Specific From 23 ↓ June 2022 ↓ 08 ↓ 00 ↓ 00 ↓ to 23 ↓ June 2022 ↓ 08 ↓ 00 ↓ 00 ↓ ● Previous 1 ↓ Hours		3. Click Next .
○ Period of 1 + Hours ✓ from 00h00 ✓ 23 + June Back	V 2022 🖨	
Export Configure the report Format CSV Filename C:/Program Files/CathexisVision Server/report.csv	? ×	4. Select the Format to export the report in; either CSV or PDF.
		See below for the two options.
Back	Export	
6.2.1.1 Export CSV		
Format CSV	~	1. Select CSV Format.
Filename C:/Program Files/CathexisVision Server/report.csv		2. Edit the Filename by entering it into the tex field (replacing report.csv).
		Or, click the folder to choose a new save folder and filename.
6.2.1.2 Export PDF		
Format PDF Heading	\sim	1. Select PDF Format.
Orientation Portrait ~		2. Give the PDF a Heading .
Filename C:/Program Files/CathexisVision Server/report.pdf	f 💼	3. Select either Landscape or Portrait Orientation of the PDF.
		4. Edit the Filename by entering it into the text field (replacing report.csv).
		Or, click the folder icon to choose a new save folder and filename.



6.2.2 Scheduled Metadatabase Reports



1. Click the report icon to open the scheduled report window.

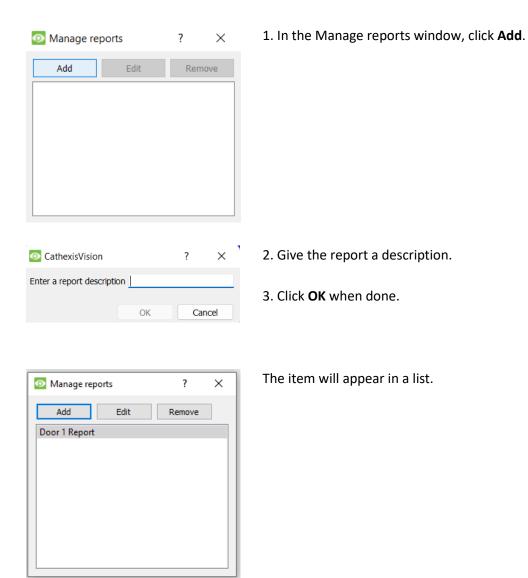
Manage reports		?	\times
Add	Edit	Remove	
Report			

All created reports will be listed here.

2. Click Add to create a report.

3. Then **edit** to define the reporting schedule. See below for more detail.

6.2.2.1 New Scheduled Report





Once the new report is listed with the other reports, select it for editing to define the reporting schedule.

Schedule

4. Either right-click the entry and select schedule or **select the entry** and **click the schedule button** at the bottom of the screen

CathexisVis	ion		?	×
Description	Front Door Report			
View	Standard \checkmark			
Sorted by	Access Event Time 🗸	<u></u>		
Format	PDF ~			
PDF orientation	Portrait ~			
Period Mor	th to date	Edit		
Schedule Wee	ekly on Monday at 07:00	Edit		
Recipients	~	Add	Remove	
		ОК	Cance	91

- 5. Edit the **Description** if needed.
 - 6. Edit the **View** options.
 - 7. Select a **Sorted by** option.
 - 8. Select the Format.
 - 9. Select the **orientation** of the Format.
 - 10. Select the **Period** to be reported on.
 - 11. Define the Schedule for the report.

12. Select **Recipients** from the drop-down menu to whom reports will be sent.

Add/Remove Recipients

Use the icons to edit the drop-down menu.

 Add recipient
 Add
 Click Add and enter the email address of the recipient. Multiple recipients may be added. All will receive emails.

 Remove recipient
 Remove
 Select the recipient from the dropdown menu and click Remove.

6.2.3 Metadata

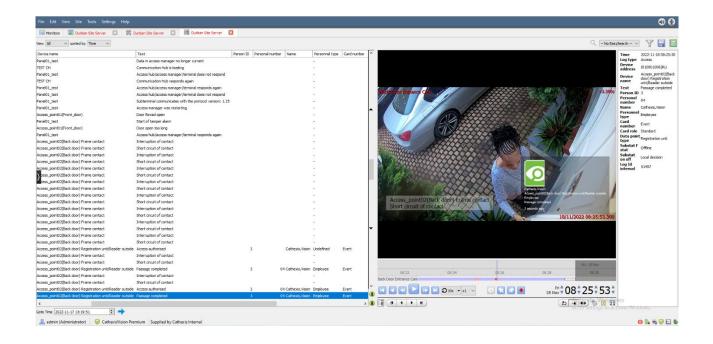
Time	2022-11-08 13:17:36
Log type	Access
Device address	I0100010002RU
Device name	Access_point02(Back door) Registration unit/Reader outside
Text	Access authorised
Person ID	3
Personal number	04
Name	Cathexis, Vision
Personnel type	Employee
Card number	Evert
Card role	Standard
Data point type	Registration unit
Substat F stat	Offline
Substat on off	Local decision
Log Id internal	51484

On the right-hand side of the database, metadata about the event entry is displayed.



6.2.4 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. See the image below.



To view an associated recording, simply left-click on a database entry which has the camera icon in the **Links** column.



Then click **play** in the video player.



7. Maps

It is possible to add a **Dormakaba** device to a site map, which will allow for a number of action options when objects are triggered. These options include the animation of triggered zones and connecting to site cameras when zones are triggered, etc.

Note: This section will only deal with the specifics of the **Dormakaba** integration. For more information on using the CathexisVision Map Editor and Map Tab, please consult the dedicated and detailed *Map Editor Operation Manual*.

7.1 Add Dormakaba as a Resource

To configure the map, the **Dormakaba** integration must be added as a resource to be added to the map.

nit resources		Resources
MASTER)		Back Door Entrance Cam
Back Door Entrance Cam	(4)	Back Door Exit Cam
Back Door Exit Cam	(8)	👷 Dev Office Cam
Dev Office Cam	(3)	📻 Front Door Entrance Cam
Front Door Entrance Cam	(5)	👧 Test Room Cam
Test Room Cam	(6)	
Onboard mic	(1)	
Test signal	(2)	
Test voice	(3)	
Onboard speaker	(1)	
Always	13	
New user input		
Second Input		
Alarm		
Bormakaba Event		
G Dormakaba events		
Panel State		
Second Test		
Fest new		Les a
monitor 1	(1)	() () () () () () () () () ()
Monitor 2	(2)	
Cat LPR		
Dormakaba AC db		
Makaba New DB		
Test 12		
Dormakaba AC Durban Site		

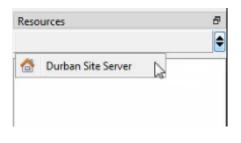
- 1. Navigate to the **Resource Panel** by following **Site / Open Tab / Setup / Resource Panel**.
- 2. Drag the Dormakaba device from the **Unit Resources** list into the **Resources** list, on the right.



7.2 Add the Device in Map Editor

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

7.2.1 Connect to Site

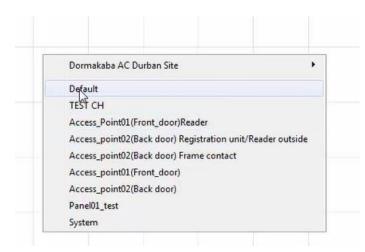


1. At the bottom right-hand of the Map Editor screen, click the drop-down menu to select the site to connect to.

Resources	ć
Durban Site Server	6
😠 Back Door Entrance Cam	
Back Door Exit Cam	
😠 Dev Office Cam	
Front Door Entrance Cam	
📻 Test Room Cam	
Dormakaba AC Durban Site	

2. Once connected to site, all the resources available will populate the panel below.

7.2.2 Adding Device Objects



1. Drag the **Dormakaba** device from the Site Resources list onto the **map area**.

2. All the **Dormakaba** device objects will appear in a list.

3. Select an object.

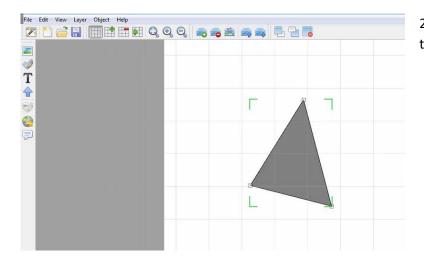
Note: To add multiple objects, repeatedly drag-and-drop the **Dormakaba** device onto the map area and select the desired objects individually.



7.3 Adding a Polygon/Shape



1. Select the draw icon to begin creating a shape.



2. Use the mouse to draw the sides of the shape.

7.3 Adding Device Actions

Edit Actions...

1. To add actions to the device objects, select the object on the map and click Edit Actions.

On	Left Click	On State Change	On Event
Action	Details	3	
New	Edit	Delete	

Actions may be set for Left-clicks, State Changes, and Events.

2. To create a new action, select



7.3.1 Action Options

The action triggers will differ according to the object selected, as well whether the action is being set for a Click, State Change, or Event. See below.

7.3.3.1 On Left-Click

🧭 Ne	ew action	?	×
Action	Connect to a s		•
	Perform an an	imation	
	Goto a camera preset Load a map Set a PTZ relay output		
	Show a popup menu Set a relay output		
Edit	Show an HTML block		
	Show a block Show a device		nu

Select a map action to be triggered when the device object is left-clicked on the map.

7.3.1.2 On State Change

Target state:	-	+
Action	Connected Connection is being established Download is running Locked Normal operation Not connected	A
	Does not respond	

Select the target state which is to be represented on the map.

Then select an action with which to represent the target state.

7.3.1.3 On Event Tab



Select the event type of the device object which will trigger the map action.



Action	Connect to a site	~
	Connect to a site Perform an animation	^
	Goto a camera preset Load a map	
	Set a PTZ relay output	
	E Show a popup menu Set a relay output	
-	- Show an HTML block	
	Show a block of text Show a device popup menu	- V

Enter Event text which will appear on the map when the selected event triggers this map action.

Select the map action which will be triggered by the device object event.

Note: Event actions include the option to **Show a device event notification**.

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

7.3.1.4 Animation Editor

If the user has chosen to represent a click, state change, or event with an animation, the animation editor will open.

Object to animate: Int Sub handle to animate: Animation Step Time	VisibleBMP			•
Animation Step Time	ms) Details			
		\square		
	10	1		A 8
	lit De	lete		4 4
Change colour Pause				OK Cancel
Loop				
Zoom				
Move			8 _0	000_r_001
Rotate				
Show/Hide				
Set text Set icon				

Select New at the bottom of the window.

Choose a way to animate the polygon, for instance, change colour.



Animation Edito	r		? <mark>-</mark> ×			
Object to animate:	polygon	gon				
Sub handle to animate: Visible		у				
Animation Step	Time(ms)	Details				
Change <mark>th</mark> e colour t	int O	0x00ff00ff				
		- 0				
New	Edit	Delete	<u></u>			
			OK Cancel			

Select the item in the list to edit the details, for instance to choose a colour from the colour chart.

7.4 Save Map

Once finished, save the map.

🥝 Save File Dialog						8	
🖉 🖉 🖉 🕨 Lib	raries 🕨 Documents 🕨 My Documents 🕨 maka	aba		▼ 4 9 Se	earch makaba	٩	
Organize 🔻 Nev	v folder				-	≣ ▼ 🔞	
ጵ Favorites 📃 Desktop	Documents library	Documents library Arrange by: Edder					
Downloads	Name	Date modified	Туре	Size			
🖳 Recent Places	DorMakaba map.map	2022/11/08 01:52	MAP File	2 KB			
🥞 Libraries	=						
Documents							
🌙 Music							
Pictures							
📑 Videos							
👰 Computer	-						
ڏ Local Disk (C:)							
😸 DVD RW Drive	(D						
👝 System Reserve	ed 🔻						
File name:	DorMakaba map.map					-	
Save as type:	Map Files (*.map)					•	
Hide Folders					Save	Cancel	
~							

Note: The map **<u>must not be saved</u>** in the **Work** folder of the CathexisVision installation directory.



7.5 CathexisVision Map Tab

The saved map needs to be uploaded to CathexisVision.

20	Open tab	•		Cameras
10	Close site's tabs		8	Databases
8	Change password		0	Мар
8	Change login		93	Setup
1	Go offline	22		Secup

Navigate to the Map tap by following the filepath:

Site / Open tab / Map

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.



8. Conclusion

This document was designed to deal specifically with this integration. For further information about the CathexisVision software, consult the main manual (<u>http://cathexisvideo.com/</u>).

For support, email support@cat.co.za.

USEFUL LINKS

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

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