



Sûreté et Monétique

ARD Access Control Plugin for Milestone XProtect

User Guide





Revisions history

Revision	Date	Author	Comments
Revision 1.0	March 04 th , 2020	Rémi ILLE-RATSIMISETRA Bertrand GASNIER	First revision
Revision 1.1	March 19 th , 2020	Rémi ILLE-RATSIMISETRA Bertrand GASNIER	Updated the content with new screenshots and alarm definitions

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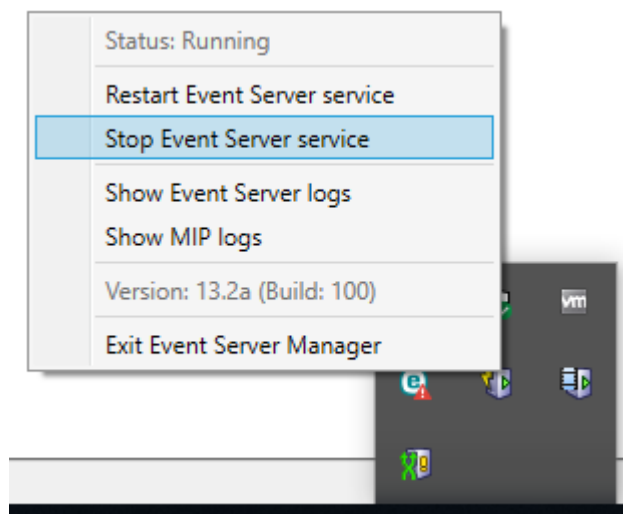
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1 - Introduction

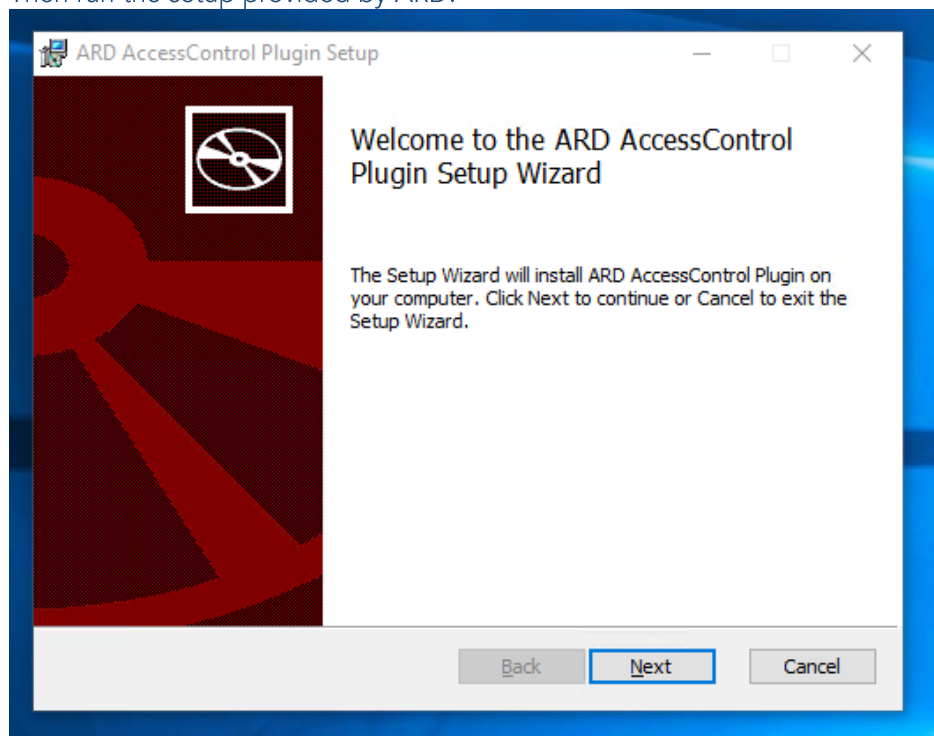
The purpose of this document is to explain how to install, configure and operate the "ARD Access Control" plugin for Milestone XProtect.

2 - Installation

- To install the plugin, first stop the Event Server service (you must have enough rights to do that):

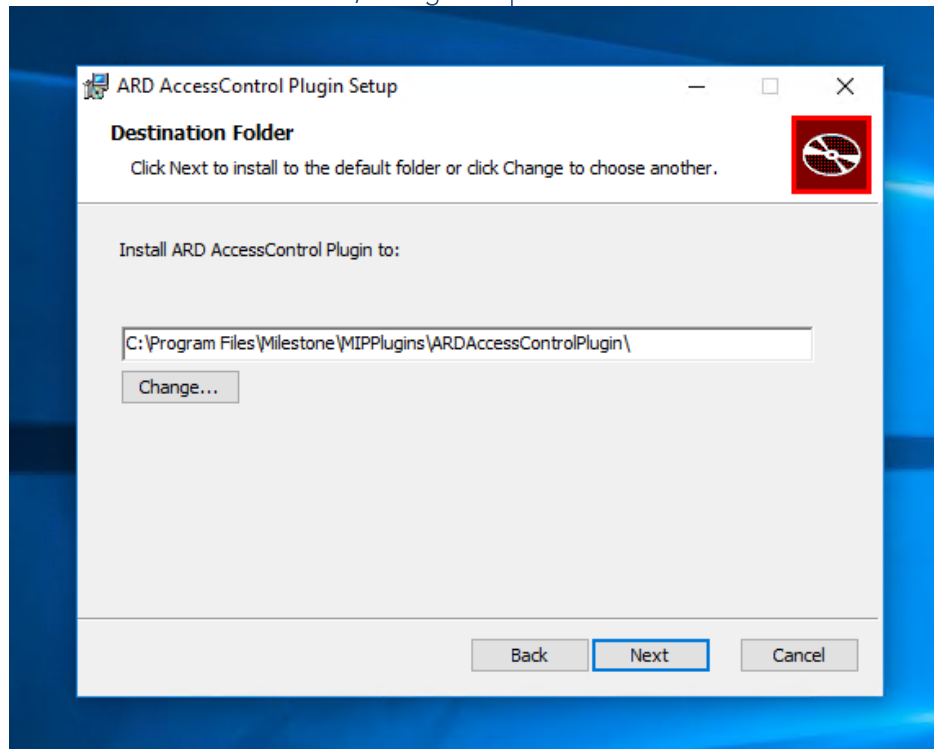


- Then run the setup provided by ARD.

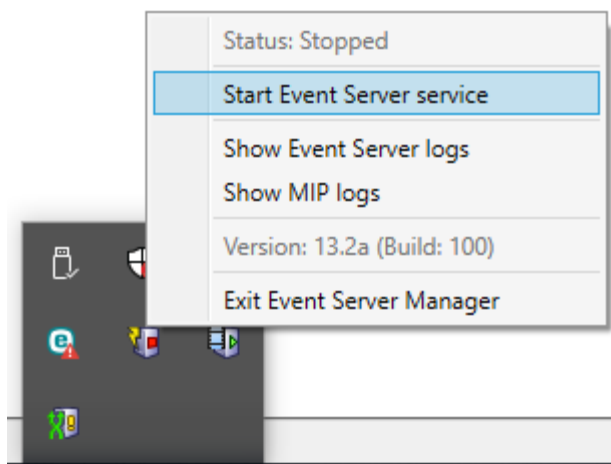


- The setup will install all the necessary files in the default folder "C:\Program Files\Milestone\MIPPlugins\ARDAccessControlPlugin". If the Milestone XProtect software has been

installed on a different folder, change the path below and click "Next".

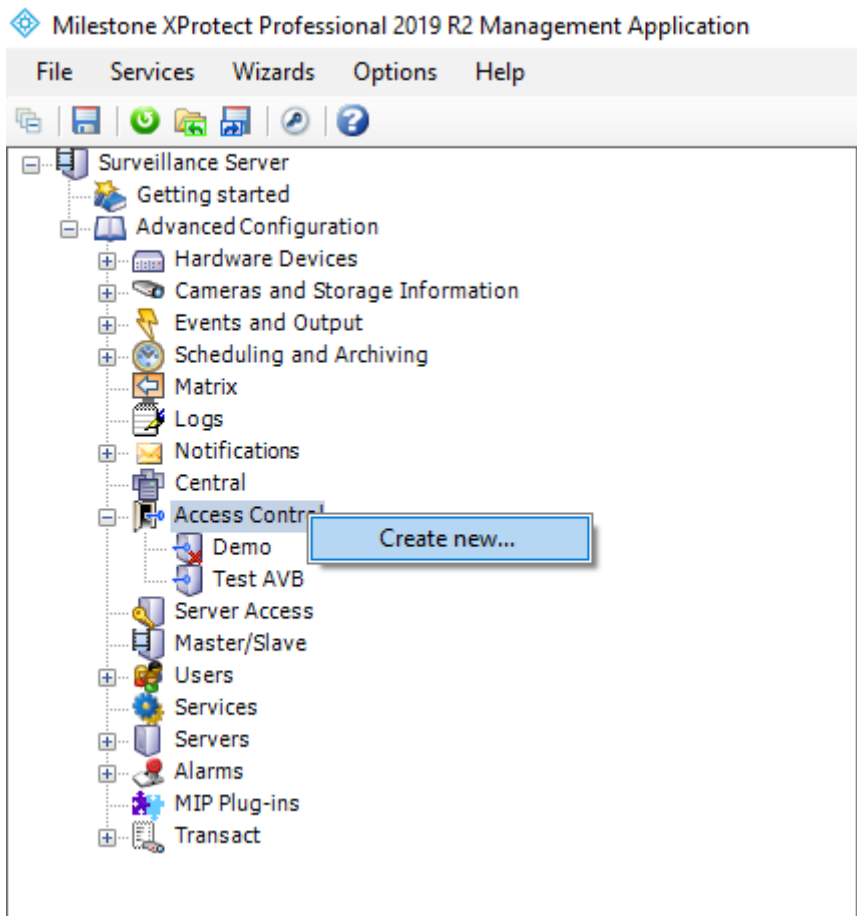


- Once the setup is finished, restart the Event Server service:

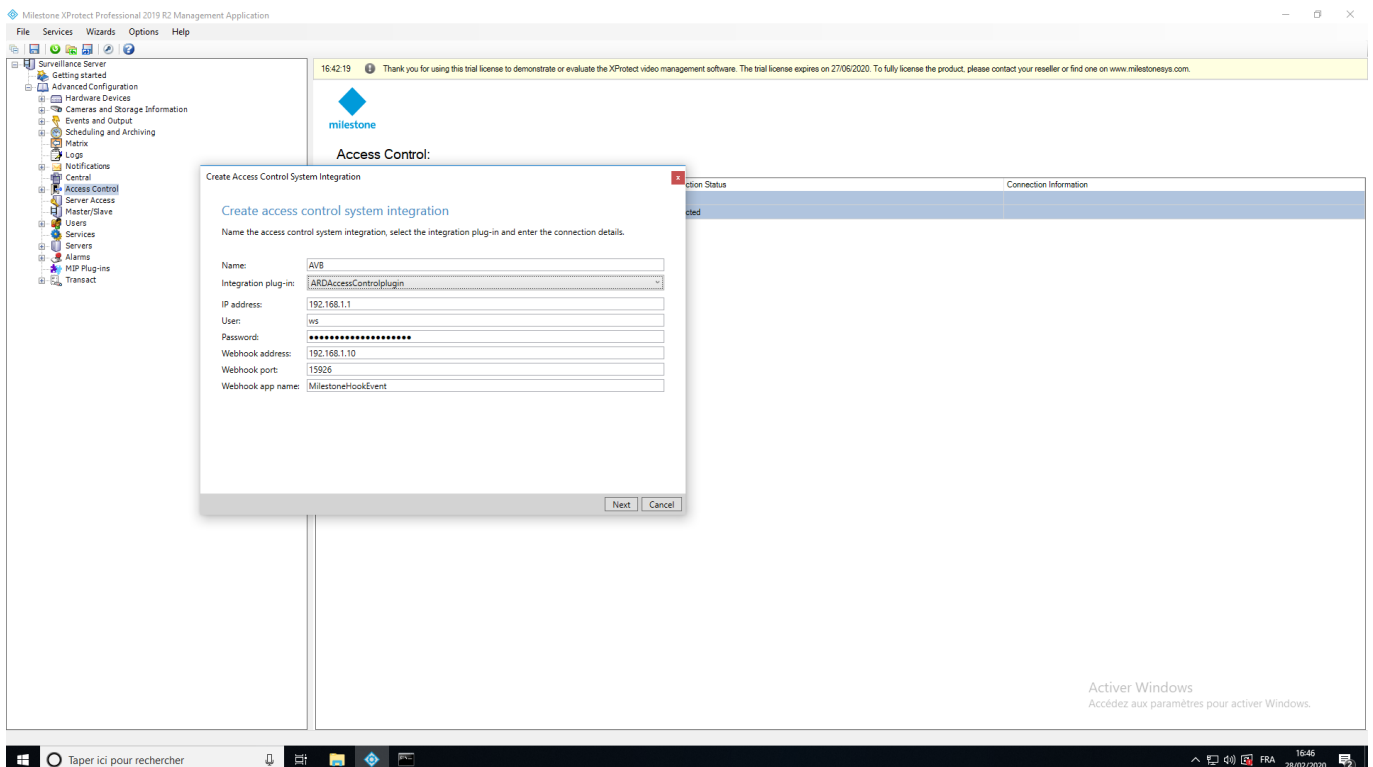


3 - Configuration

To connect Milestone XProtect to your ARD Access instance, run the Milestone Management Client and add a new element to the "Access Control" menu:



Select "ARDAccessControlPlugin" integration plugin from the list and fill in all parameters as follow:



CLAUSE DE RESERVE DE PROPRIETE : En application de la loi 80-335 du 12 mai 1980, les marchandises restent la propriété du vendeur jusqu'au paiement intégral de leur prix. Les risques afférents aux dites marchandises sont transférés à l'acheteur dès la livraison.

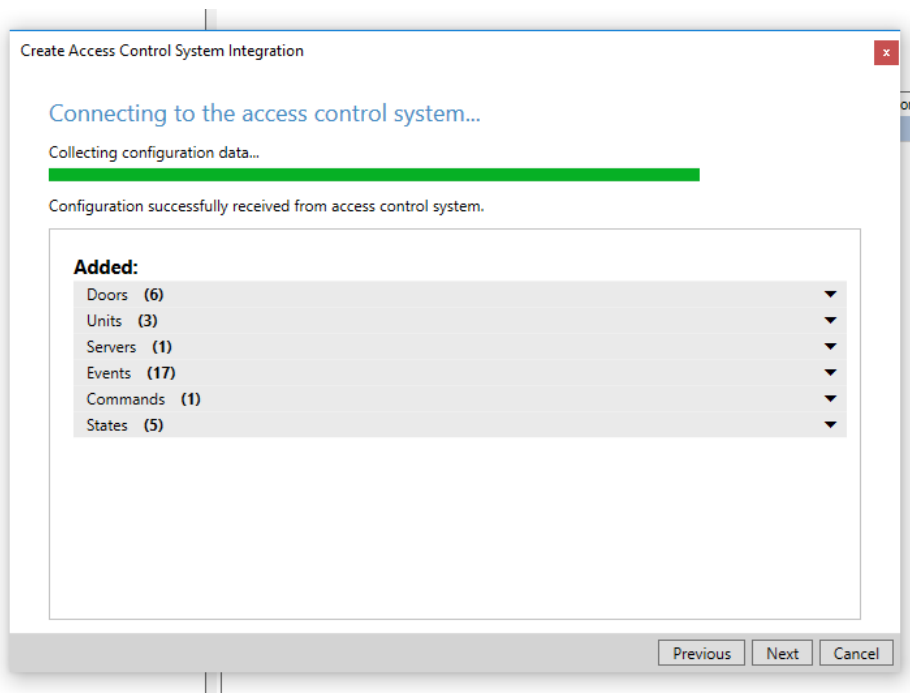
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Plugin parameters:

- **Name:** A name for the Access Control Integration
- **Address:** IP address of your ARD Access instance
- **User:** Username of a user with Webservice access rights in ARD Access
- **Password:** Password to connect to the ARD Access Webservice
- **Webhook address:** IP address of the Milestone XProtect server. This address should be accessible by ARD Access. (You can find it in the network setting of the server and try to ping it with ARD Access)
- **Webhook port:** Port used to listen the events (set to 15926 by default)
- **Webhook app name:** Name used to identify the plugin subscription in ARD Access (set to "MilestoneHookEvent" by default)

Click "Next" when all the parameters are entered. Milestone XProtect then initiates a connection to the ARD Access instance.

If it succeeds, it retrieves all the elements from ARD Access. Click "Next" to complete the configuration.



Finally, associate the cameras to the doors.

Create Access Control System Integration

Associate cameras

Drag cameras to the access points for each door in the list. The associated cameras are used in the XProtect Smart Client when access control events related to one of the door's access points are triggered.

Doors:
All doors ▾

Name	Enabled	License	
Porte Milestone	☒	Pending	☒

Access point: **Lecteur Entrée**

Camera reader 1 [Remove](#)

Drop camera here to associate it with the access point

Access point: **Lecteur Sortie**

Camera reader 2 [Remove](#)

Drop camera here to associate it with the access point

Cameras:

Caméra 3
Caméra 4
Caméra 5
Caméra 6
Caméra 7
Caméra 8
Caméra 9
Caméra 10
Caméra 11
Caméra 12
Caméra 13
Caméra 14
Caméra 15
Caméra 16
Camera dev
Camera reader 1
Camera reader 2
All Slaves (Server)

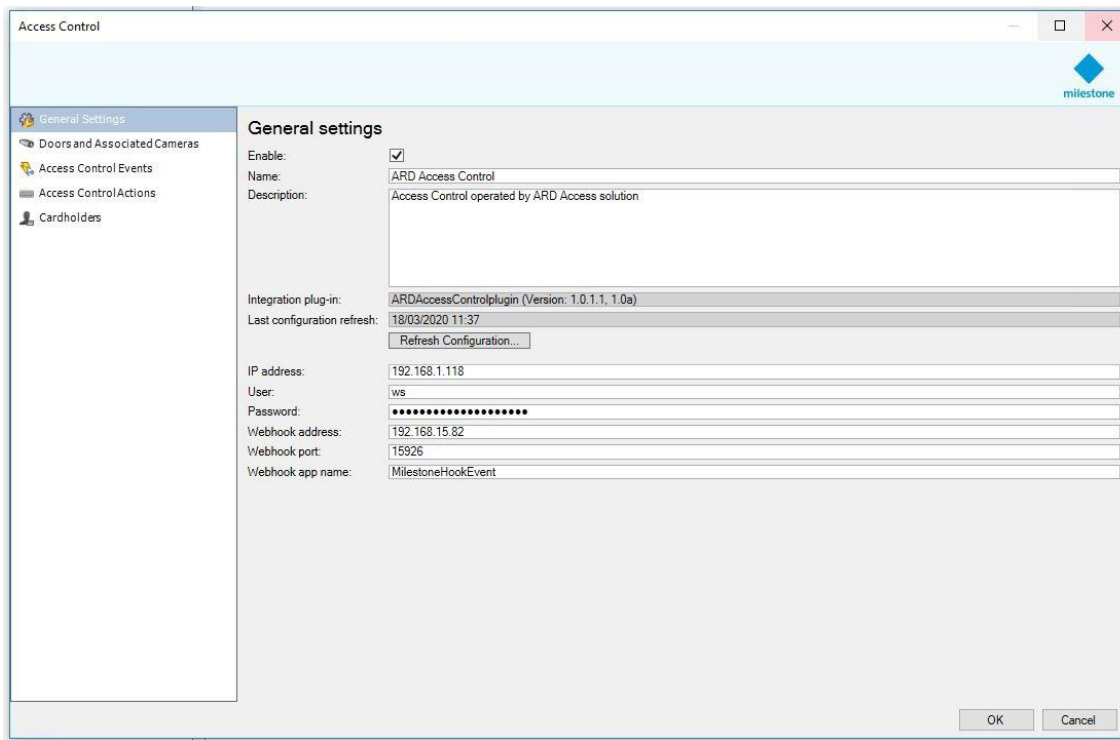
Previous Next Cancel

4 - Access Control editing

After adding a connection to ARD Access, you can still edit at any moment the configuration by double clicking on his name.

4 - 1 - General settings

The following windows lets you update all settings and refresh the configuration (with the button « Refresh Configuration »)



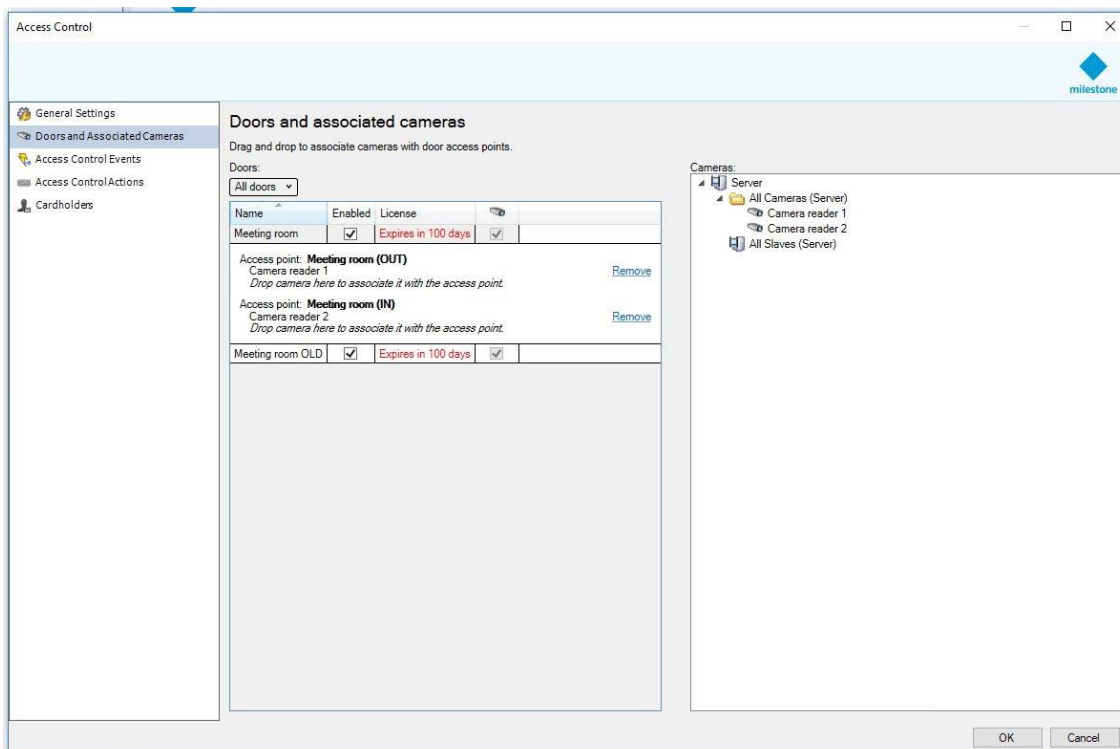
The screenshot shows the 'Access Control' window with the 'General settings' tab selected. The window has a sidebar on the left with options: General Settings, Doors and Associated Cameras, Access Control Events, Access Control Actions, and Cardholders. The main area contains the following fields:

- Enable:** ☒
- Name:** ARD Access Control
- Description:** Access Control operated by ARD Access solution
- Integration plug-in:** ARDAccessControlplugin (Version: 1.0.1.1, 1.0a)
- Last configuration refresh:** 18/03/2020 11:37
- Refresh Configuration...** button
- IP address:** 192.168.1.118
- User:** ws
- Password:** [masked]
- Webhook address:** 192.168.15.82
- Webhook port:** 15926
- Webhook app name:** MilestoneHookEvent

Buttons at the bottom right: OK, Cancel.

4 - 2 - Doors and Associated Cameras

The following window lets you change the cameras to doors associations and enable doors you want to watch.



The screenshot shows the 'Access Control' window with the 'Doors and associated cameras' tab selected. The window has a sidebar on the left with options: General Settings, Doors and Associated Cameras, Access Control Events, Access Control Actions, and Cardholders. The main area contains the following elements:

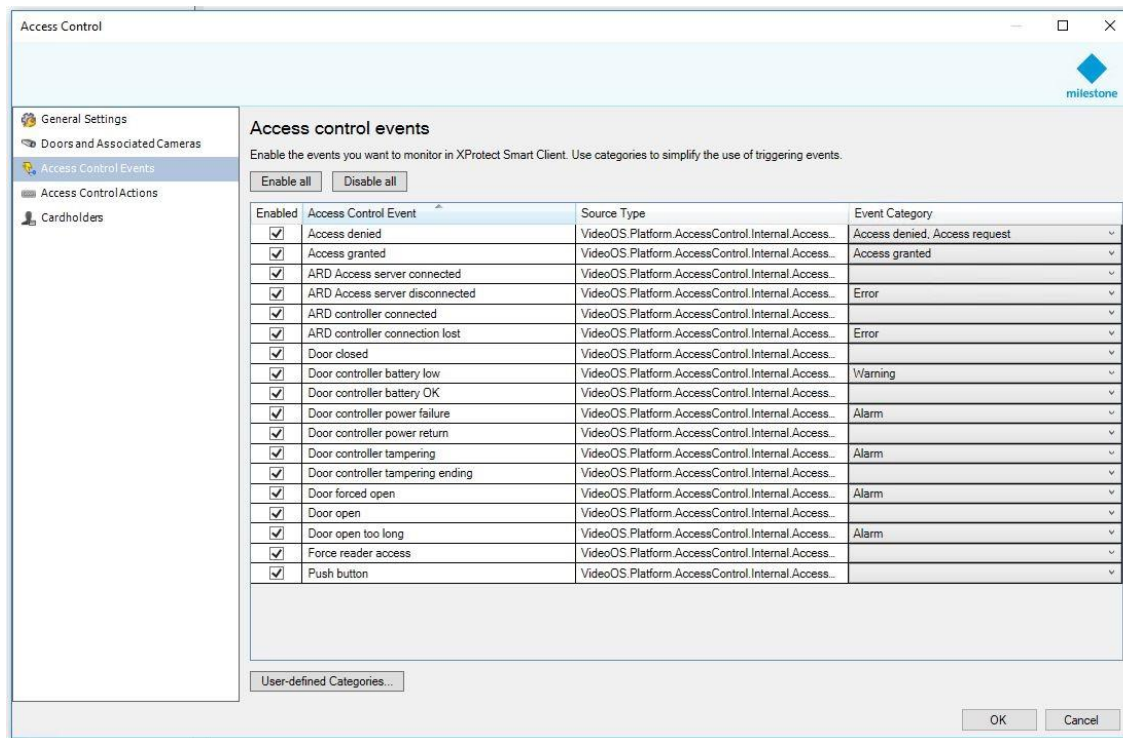
- Doors and associated cameras** header
- Drag and drop to associate cameras with door access points.** instruction
- Doors:** dropdown menu set to 'All doors'
- Table of doors:**

Name	Enabled	License	
Meeting room	☒	Expires in 100 days	☒
Access point: Meeting room (OUT)			
Camera reader 1	Drop camera here to associate it with the access point.		Remove
Access point: Meeting room (IN)			
Camera reader 2	Drop camera here to associate it with the access point.		Remove
Meeting room DLD	☒	Expires in 100 days	☒
- Cameras:** tree view showing:
 - Server
 - All Cameras (Server)
 - Camera reader 1
 - Camera reader 2
 - All Slaves (Server)

Buttons at the bottom right: OK, Cancel.

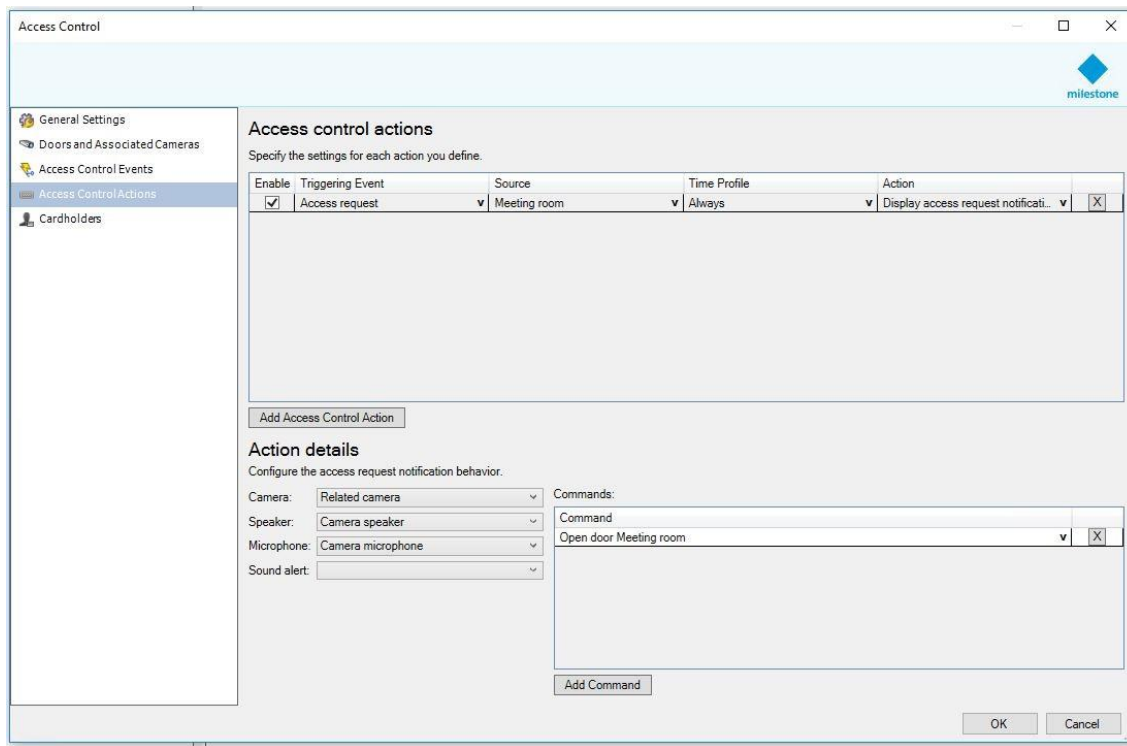
4 - 3 - Access Control Events

The following window lets you list all the types of events that are generated by the "ARD Access Control" plugin. You can activate or deactivate some event types and associate an event type to a category.



4 - 4 - Access Control Actions

The following window lets you specify the actions that will be triggered when a given event occurs. Refer to Milestone manual for more informations.



Access Control

Access control actions
Specify the settings for each action you define.

Enable	Triggering Event	Source	Time Profile	Action
☒	Access request	Meeting room	Always	Display access request notificati... ☐

Action details
Configure the access request notification behavior.

Camera: Related camera
Speaker: Camera speaker
Microphone: Camera microphone
Sound alert:

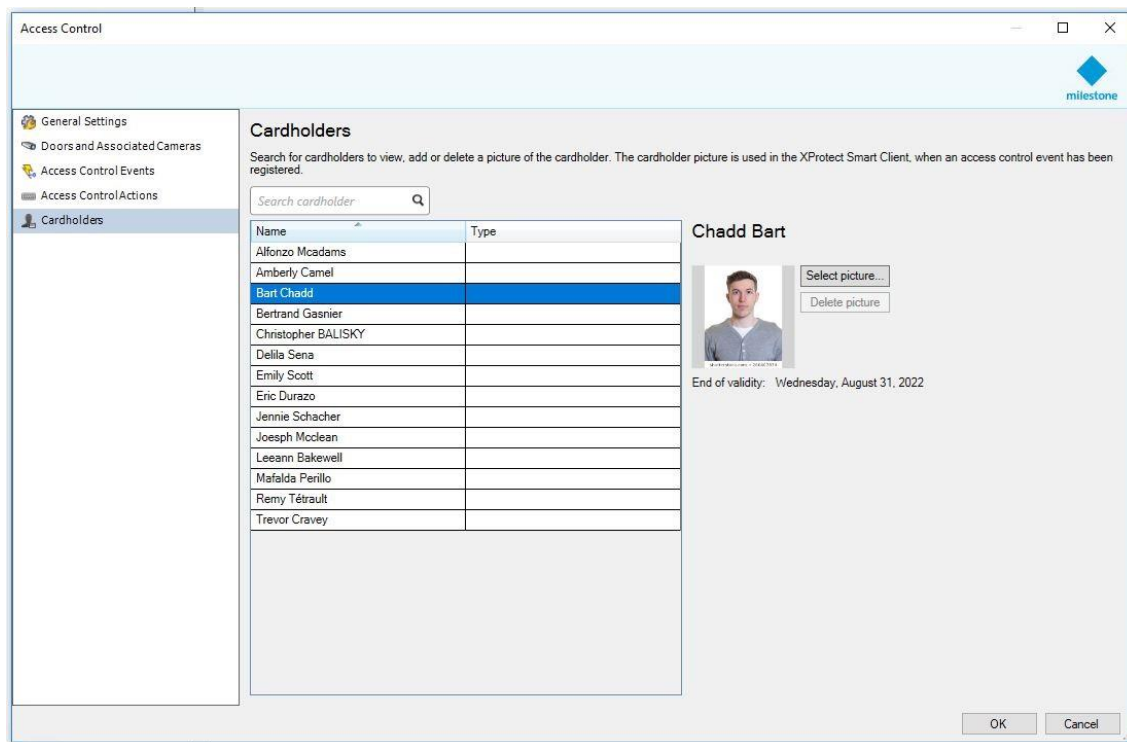
Commands:

Command
Open door Meeting room ☐

OK Cancel

4 - 5 - Cardholders

The following windows lets you visualize the cardholders list and do some research in it.



Access Control

Cardholders
Search for cardholders to view, add or delete a picture of the cardholder. The cardholder picture is used in the XProtect Smart Client, when an access control event has been registered.

Search cardholder

Name	Type
Alfonzo Mcadams	
Amberly Camel	
Bart Chadd	
Bertrand Gasnier	
Christopher BALISKY	
Delila Sena	
Emily Scott	
Eric Durazo	
Jennie Schacher	
Joseph Mclean	
Leeann Bakewell	
Mafalda Perillo	
Remy Tétraut	
Trevor Cravey	

Chadd Bart

Select picture...
Delete picture

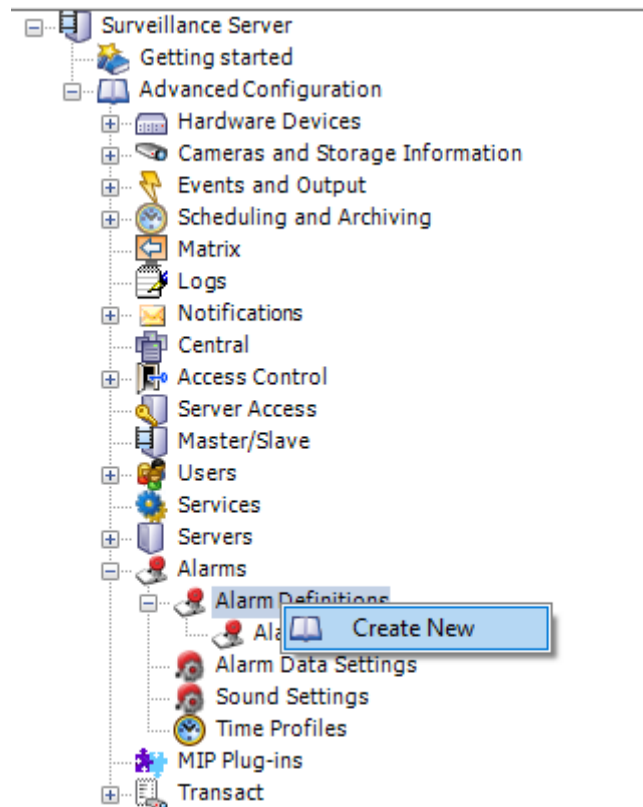
End of validity: Wednesday, August 31, 2022

OK Cancel

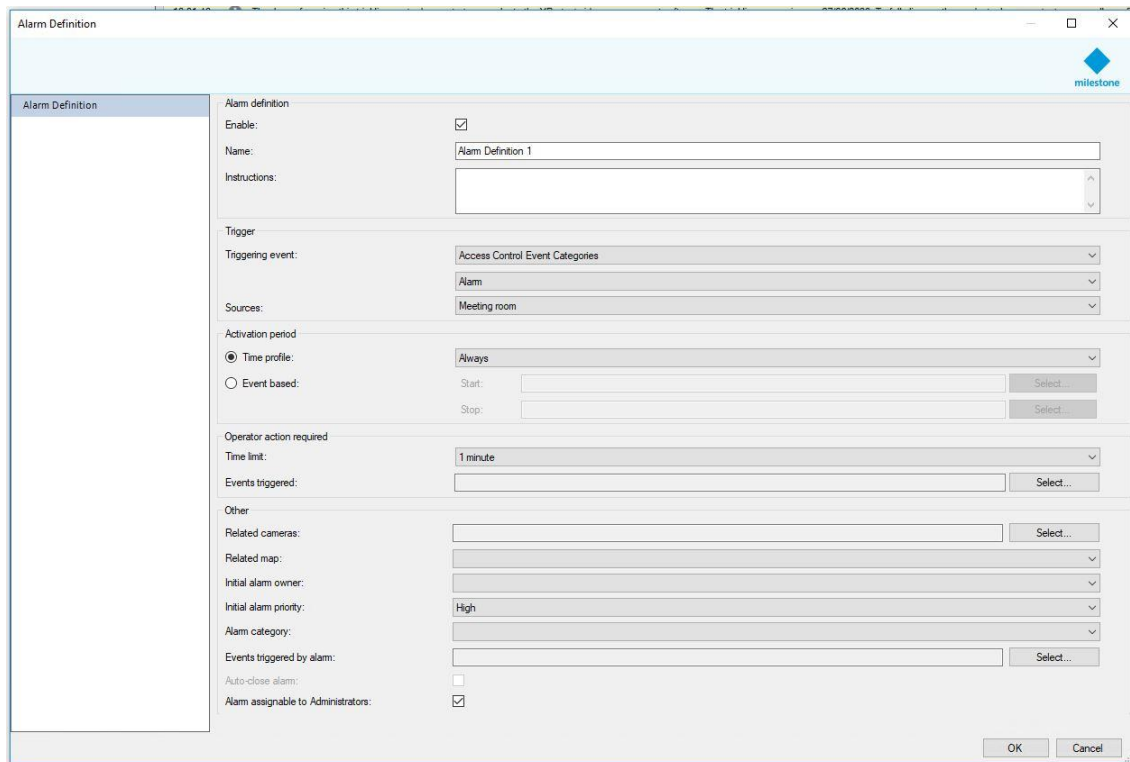
5 - Alarms management

Before operating with the Access Control system, you can configure the alarms definitions.

The following windows lets you create or edit alarm definitions.



Give a name and instructions to the alarm definition, then specify how the alarm is triggered.



The 'Alarm Definition' dialog box is used to configure an alarm. It includes the following sections:

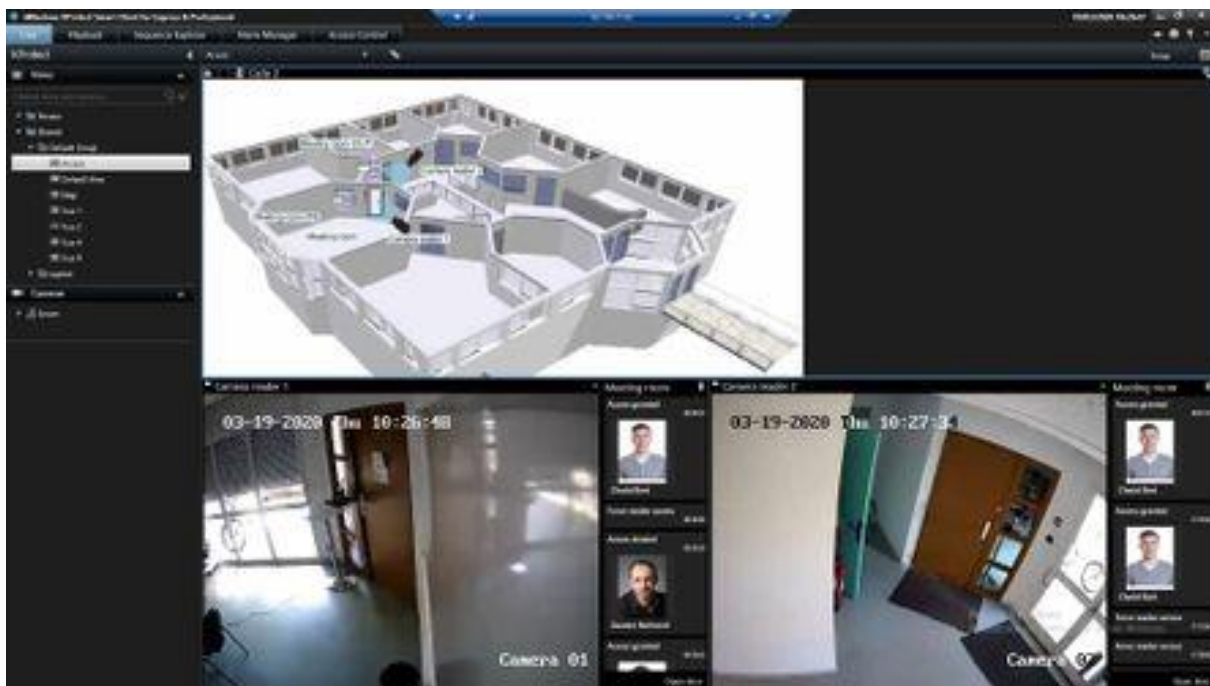
- Alarm definition:**
 - Enable: ☒
 - Name: Alarm Definition 1
 - Instructions: (empty text box)
- Trigger:**
 - Triggering event: Access Control Event Categories
 - Alarm: (dropdown menu)
 - Sources: Meeting room
- Activation period:**
 - Time profile: Always
 - Event based: (radio button, not selected)
 - Start: (empty text box)
 - Stop: (empty text box)
- Operator action required:**
 - Time limit: 1 minute
 - Events triggered: (empty text box)
- Other:**
 - Related cameras: (empty text box)
 - Related map: (empty text box)
 - Initial alarm owner: (empty text box)
 - Initial alarm priority: High
 - Alarm category: (empty text box)
 - Events triggered by alarm: (empty text box)
 - Auto-close alarm: ☐
 - Alarm assignable to Administrators: ☒

Buttons: OK, Cancel

Refer to the Milestone Xprotect user manual for more details on the alarm definitions.

6 - Operation

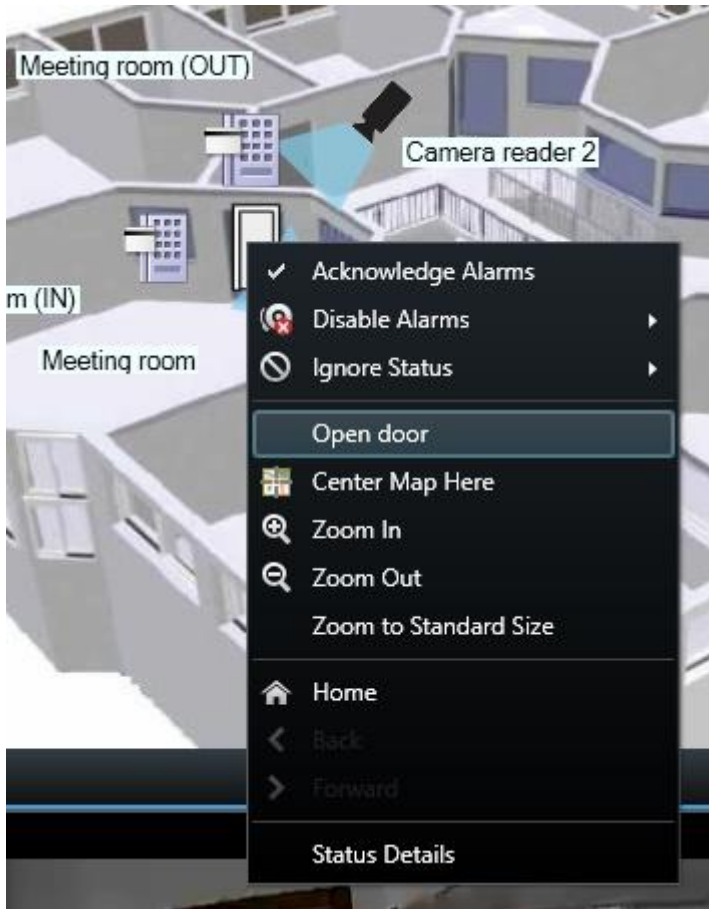
Open the Milestone XProtect Smart Client. You can create scenarios and maps in order to operate the Access Control.



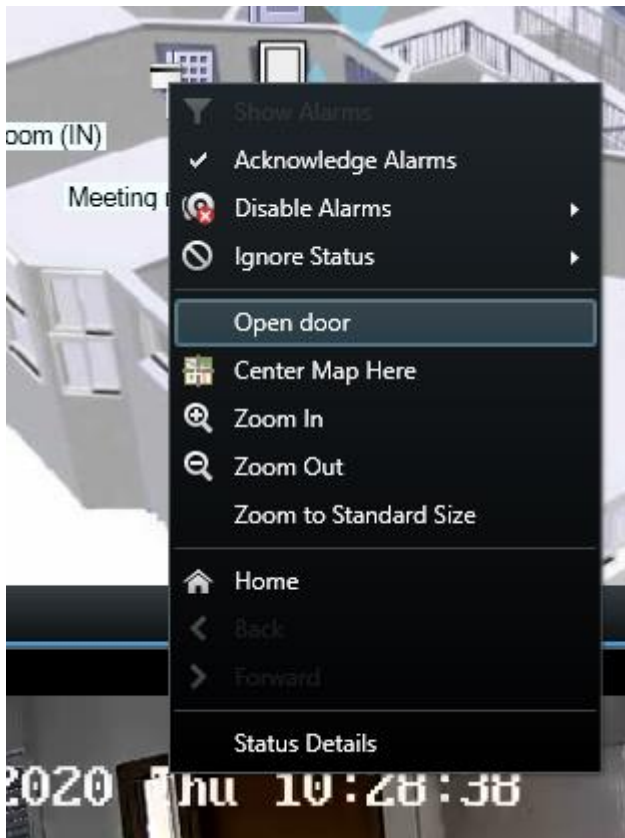
CLAUSE DE RESERVE DE PROPRIETE : En application de la loi 80-335 du 12 mai 1980, les marchandises restent la propriété du vendeur jusqu'au paiement intégral de leur prix. Les risques afférents aux dites marchandises sont transférés à l'acheteur dès la livraison.

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To open manually a door, right click on the Door on your map and select "Open door".

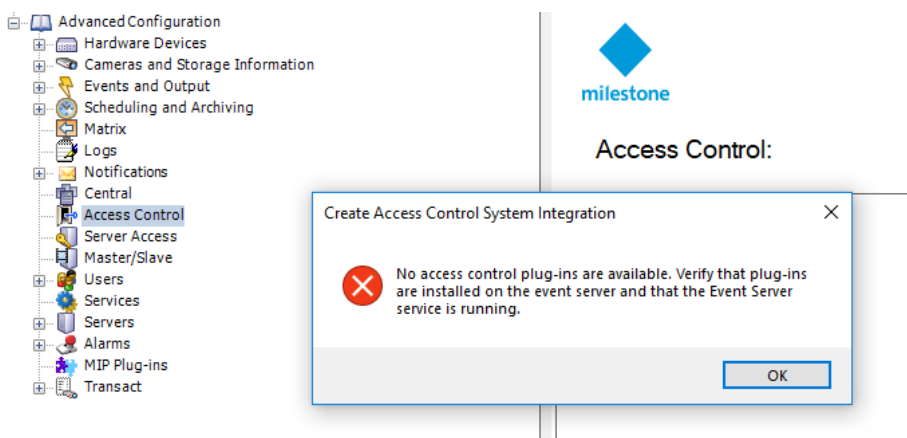


If you have placed the Readers on your map, you can also Or by right click on the Reader on your map and select "Open door".



7 - Troubleshooting

7 - 1 - "No access control plug-ins are available" error message



If you get this error when attempting to add a new "ARD Access Control" plugin, check the following points :

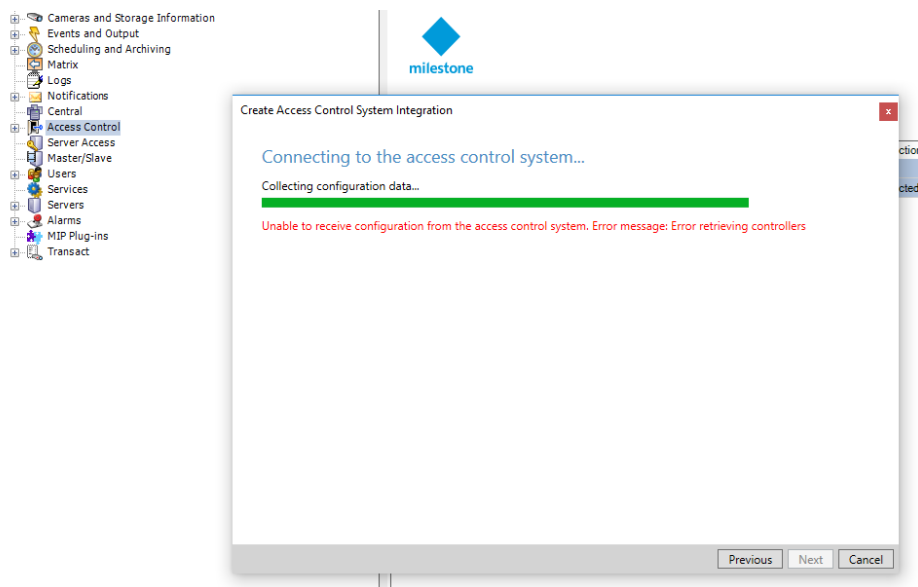
- Check that the plugin is installed;
- Check that the Event Server is running.

Note

CLAUSE DE RESERVE DE PROPRIETE : En application de la loi 80-335 du 12 mai 1980, les marchandises restent la propriété du vendeur jusqu'au paiement intégral de leur prix. Les risques afférents aux dites marchandises sont transférés à l'acheteur dès la livraison.

You may have to wait after starting the Event Server

7 - 2 - "Unable to receive configuration from the access control system" error message



If you get the following error, you may have an issue with the connection between Milestone and ARD Access. Check the following points:

- Ensure that Milestone can join ARD Access with a ping test (ping the ARD Access instance IP address);
- Ensure that ARD Access is running by trying to connect to ARD Access in a browser;
- Check that the user and the password are correct;
- In ARD Access, check that the MCM is running. You may need to restart it. Please refer to the ARD Access manual for more informations.

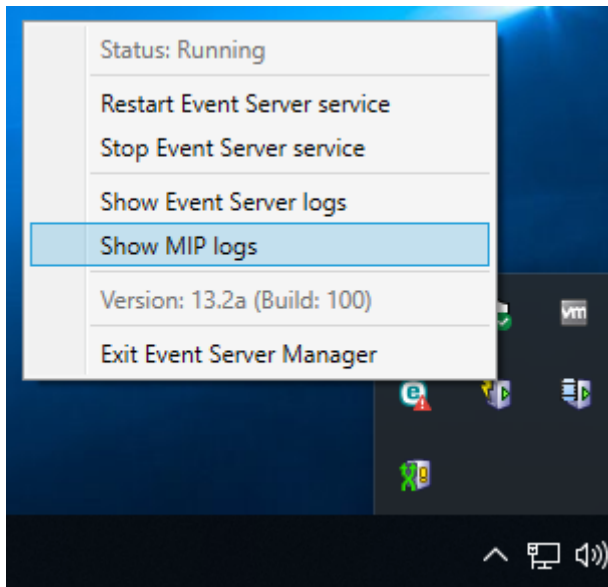
7 - 3 - Connection lost with ARD Access

If you lose the connection between Milestone XProtect and ARD Access, check the following points :

- Ensure that Milestone can join ARD Access with a ping test (ping the ARD Access instance IP address);
- Ensure that ARD Access is running by trying to connect to ARD Access in a browser;
- In ARD Access, check that the MCM is running. You may need to restart it. Please refer to the ARD Access manual for more informations.

7 - 4 - Logs for troubleshooting

You can access to the SDK logs in real time by right clicking on the Event Server icon and selecting « Show MIP logs »



Log files can also be found in the C:\ProgramData\Milestone\XProtect Event Server\logs\MIPLogs folder.