

# Milestone XProtect Integration Setup Guide



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# Milestone XProtect Integration Setup Guide

The integration with Milestone allows interoperability with the Doors.NET software and allows you to view live video streams within XProtect. In addition, it allows for control over the Doors.NET system hardware and to associate Doors.NET system events with captured live video recordings.

## 1.0 Main Features

- The Integration combines Doors.NET with Milestone's XProtect software.
- Supports access control systems of up to 5,000 doors.
- Supports up to 10,000 cardholders.
- Allows viewing of video in XProtect, hardware control and cardholder editing.
- The Integration allows you to control the doors on the system (i.e lock and unlock, from the X-Protect Smart Client).
- The access control tab of the XProtect provides a list of live system events coming in from the Doors.NET system. Time and date stamp, location, message type, cardholder name, door name are displayed as well as many other selectable event information. XProtect Access can process up to 600 access control events per second (per site).
- Doors and Cameras can be placed onto a map image - providing a geographical overview of the entire system.
- Alerts can be configured in the XProtect Smart Client. A sound alert will bring attention to the operator and the system alert will need to be confirmed.
- Pop-up alerts can also be configured for immediate confirmation of critical events.

## 2.0 Supported XProtect Versions

The integration with Doors.NET will work with all XProtect versions that support 'third-party integration'. This also includes all the '+' versions of the following versions.

- XProtect® Express
- XProtect® Professional
- XProtect® Expert
- XProtect® Corporate
- XProtect® Enterprise

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## 3.0 System Requirements

- Doors.NET v5.3.0.9 and newer versions
- Microsoft .NET Framework 4.8
- Microsoft Windows 10 Professional or newer Windows operating system
- Milestone video system with valid XProtect Access Base License and XProtect Access Door License

## 4.0 Licensing Requirements

### 4.1 Milestone Licensing

You must contact Milestone Systems to purchase required licenses before Milestone XProtect Access integration will work.

XProtect Access is licensed through the following licensing scheme:

1. XProtect Access Base License (XPABL) - unlocks all XProtect Access functions
2. XProtect Access Door License (XPADL) - enables a single physical door in XProtect Access

### 4.2 Licensing for Doors.NET Plugin Integration with Milestone XProtect Access

Your Keri Doors.NET Application Server license should have the following feature activated:

- **Video Integration Clients** – must be licensed for at least one Video Integration Client

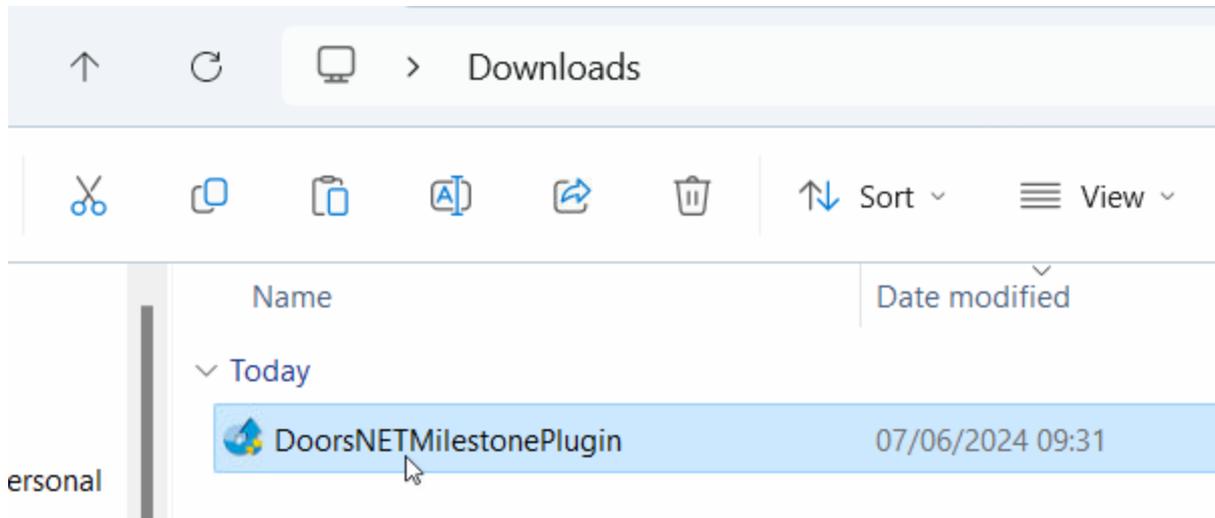
## 5.0 Install the Doors.NET Plugin

The next steps explain how to install the Plugin that provides the communication between Doors.NET and XProtect. This section assumes you have already installed one of the supported XProtect versions and have licensed both the XProtect software and Doors.NET. It also assumes that you have already added your IP cameras to the XProtect VMS and that the hardware is added and online in Doors.NET.

**Note:** You should run the Milestone Plugin installer on the same PC that has Milestone XProtect and Doors.NET installed.

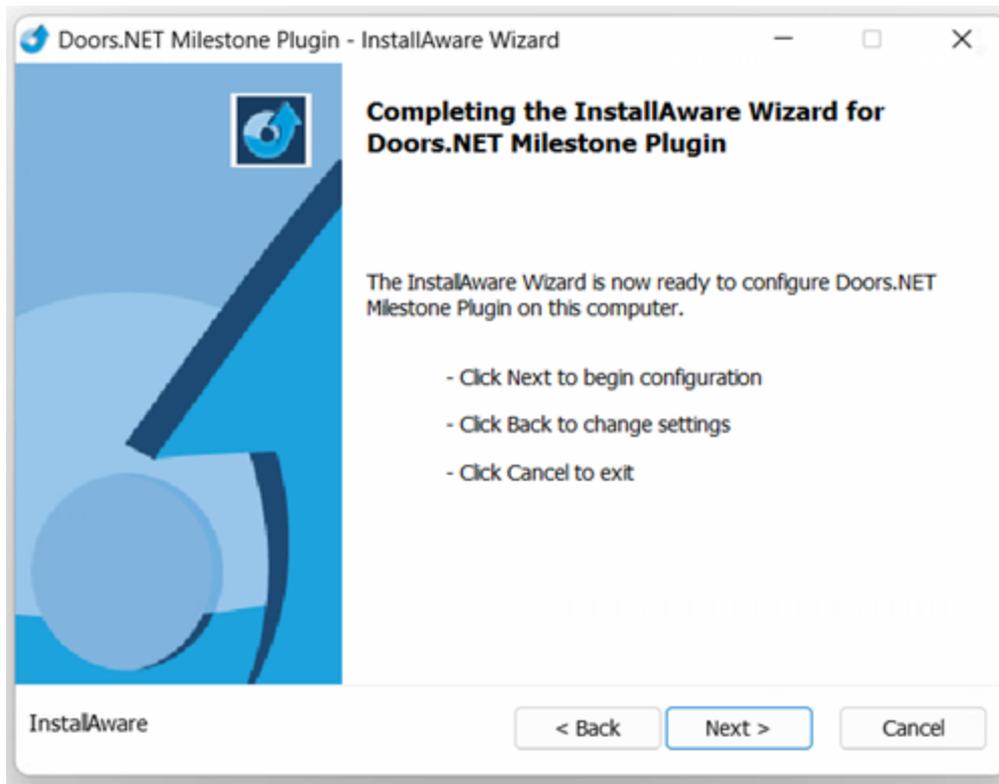
To install the Plugin:

1. Run the installer named: “DoorsNetMilestonePlugin.exe”.



**NOTE:** You may be prompted to stop the Milestone XProtect Event Server. Stop this Windows service. Click RETRY. Then resume the installation.

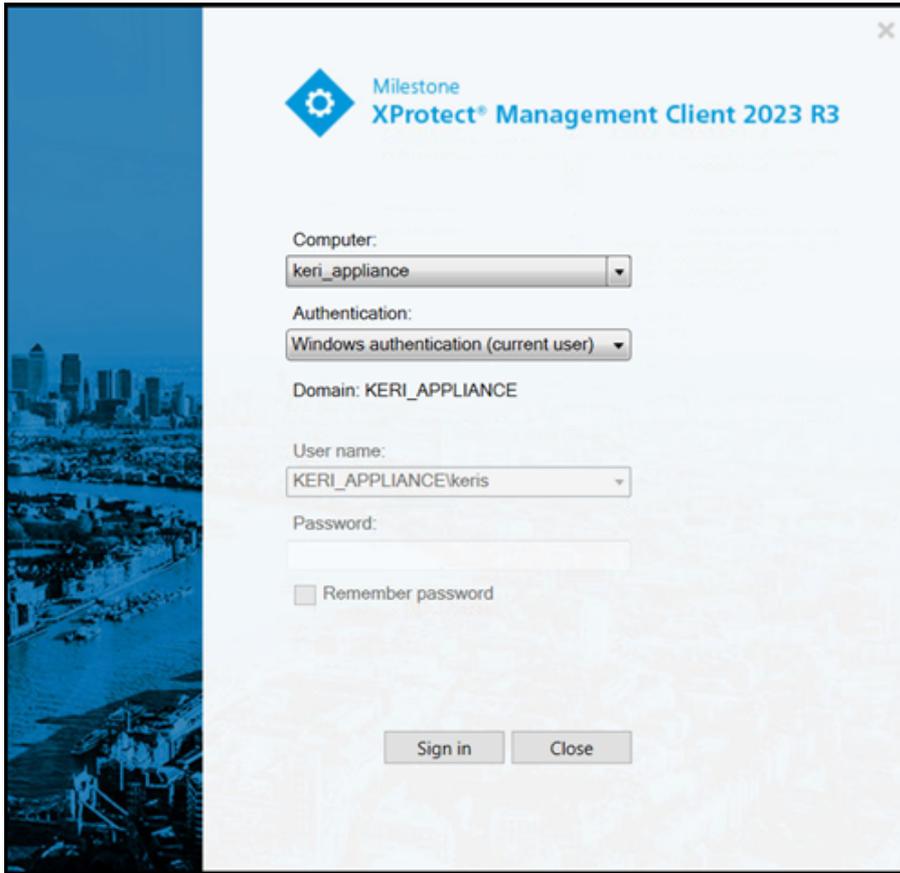
2. Click NEXT on the Welcome page.
3. Accept the terms and conditions of the End User License Agreement. Click NEXT.
4. Select the specific version of XProtect you have already installed. Click NEXT.
5. On the Destination Folder page **DO NOT** change the location of the destination folder. If you do change the destination then the XProtect system will not be able to find the Doors.NET Plugin DLL and thus, the plugin will not work. Accept the default location and click NEXT again.
6. Click NEXT to install the Doors.NET Plugin.



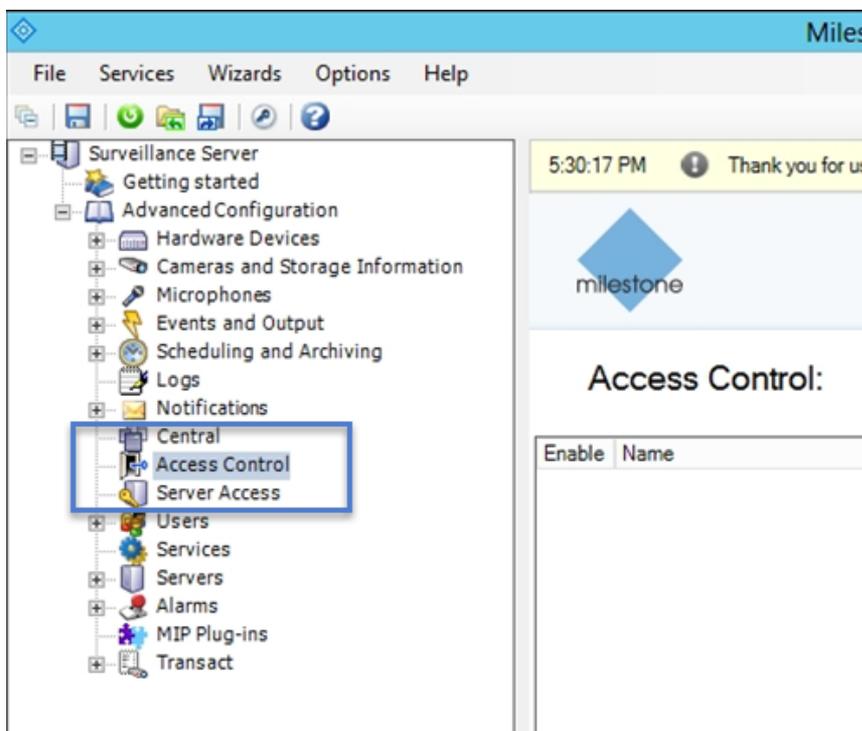
7. The Plugin will now be installed.

## 6.0 Create and Configure the Doors.NET Plugin Integration for Milestone XProtect Access

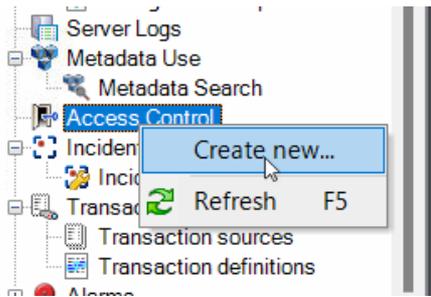
1. On the host workstation where Milestone XProtect VMS Server is installed:
2. Start Windows Service "Milestone XProtect Event Server"
3. Log into the Milestone XProtect Management Application.



4. Expand the tree in the left panel and select "Access Control".



5. Right-click on Access Control and select 'Create New...'



6. Enter a name for the access control system intergation.
7. From the Integration plugin drop-down menu, select the Keri Doors.NET integration plug. Additional fields will now be visible.
8. Enter the IP address for the host PC (the default IP address is 192.168.1.1).
9. The remaining fields should be left at the default values unless the Doors.NET admin password has been changed.

### Create access control system integration

Name the access control system integration, select the integration plug-in and enter the connection details.

Name:	<input type="text" value="San Jose HQ"/>
Integration plug-in:	<input type="text" value="Keri Doors.NET Milestone XProtect Integration"/>
Address:	<input type="text" value="192.168.1.1"/>
Port:	<input type="text" value="11000"/>
User name:	<input type="text" value="admin"/>
Password:	<input type="password" value="•••••"/>

- **Name** - refers to your Doors.NET Application Server location.
- **Integration Plugin** - From the dropdown list, select “Keri Doors.NET Milestone XProtect Integration”.
- **Address** - IP address of Doors.NET Application Server
- **Port** - TCP port of Doors.NET Application Server (the default is 11000).
- **User Name** - Doors.NET login user name (with Administrator permissions).
- **Password** - Doors.NET login password.

- The following screen will display the access control system connection status and configurable items. Click NEXT.

### Connecting to the access control system...

Collecting configuration data...



Configuration successfully received from access control system.

**Added:**

- Doors (12) ▼
- Units (39) ▼
- Servers (1) ▼
- Events (32) ▼
- Commands (3) ▼
- States (13) ▼

- The next page will display all the IP cameras which are added to the Milestone XProtect system. The doors will be displayed on the left and the available cameras will be displayed on the right.

### 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:

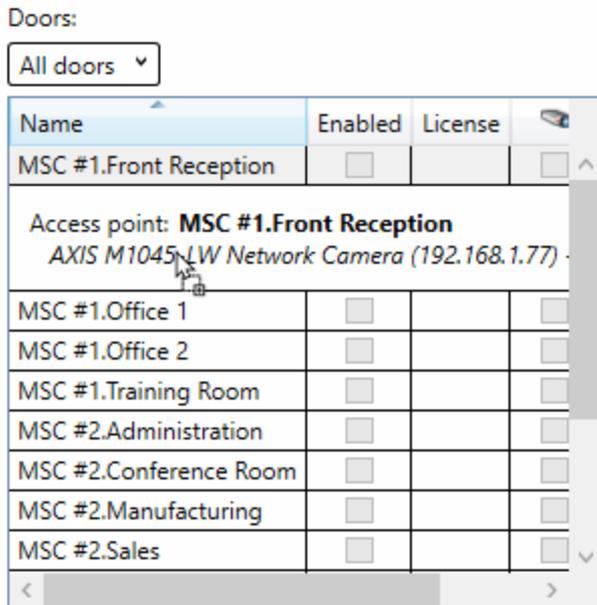
All doors ▼

Name	Enabled	License
S001.2-DoorPxIMaster.Reader 0.1	<input checked="" type="checkbox"/>	Pending
Access point: S001.2-DoorPxIMaster.Reader 0.1 Acc Front Hallway <i>Drop camera here to associate it with the access point</i>		
S001.2-DoorPxIMaster.Reader 0.2	<input checked="" type="checkbox"/>	Pending

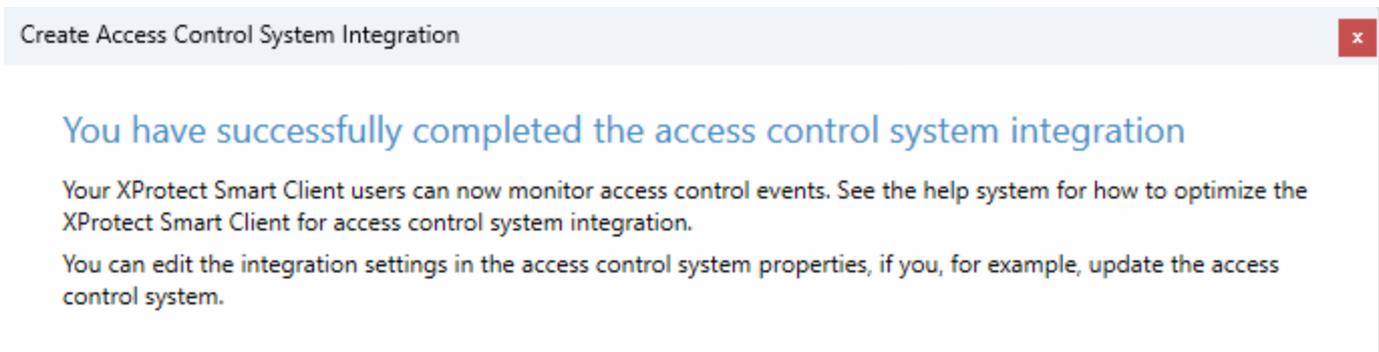
Cameras:

- Server
  - All Cameras (Server)
  - Back Hallway
  - Back Hallway 2
  - Conference Room
  - Front Hallway
  - Jeff Office Outside
  - LAB
  - Lobby 2
  - Outside
  - All Slaves (Server)

- Associate cameras with the doors by dragging the camera names onto the doors. The associated cameras are then used in the XProtect Smart Client when access control events are triggered by the door's access point events. Click NEXT.



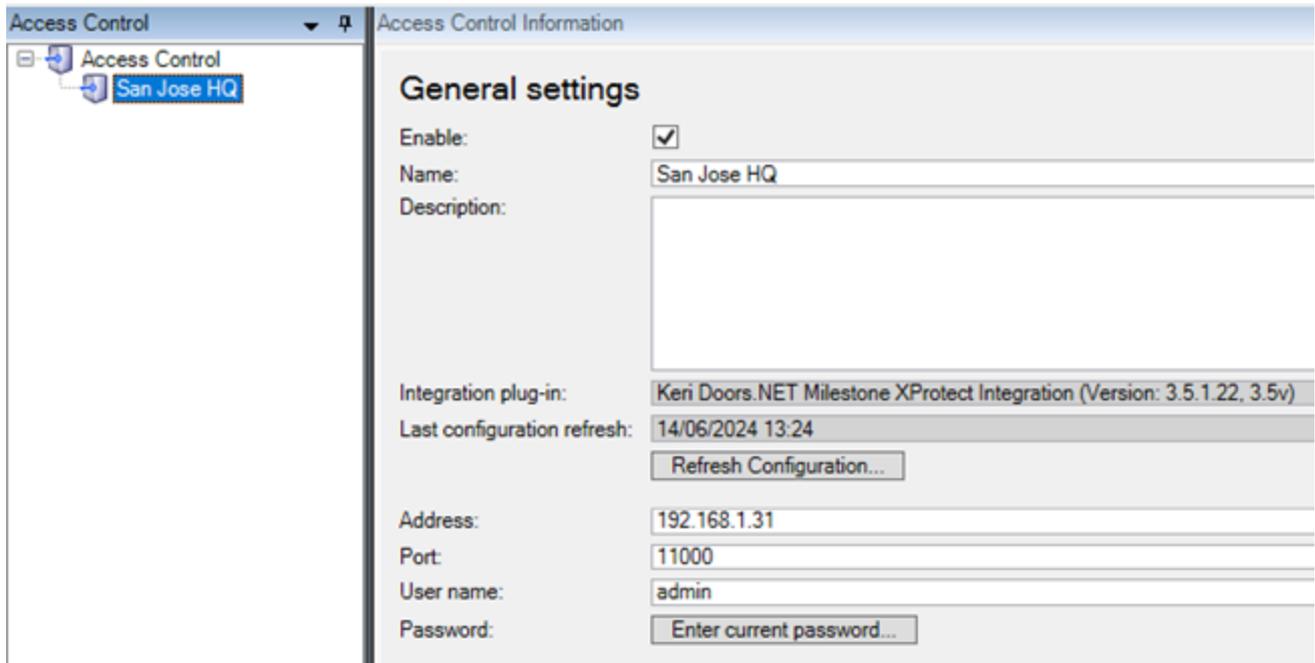
- The final screen confirms you have completed the access control system integration.



- Click CLOSE to return to the Milestone XProtect Management Application.

## 7.0 Configure the Access Control System Integration

1. Click on the Access Control menu option.
2. Then select the newly created integration.
3. The Access Control integration properties will appear.



4. Select “General Settings” in left panel to access and edit General Settings.

- **ENABLE** – to enable the Access Control integration, this must be CHECKED. If you wish to disable the integration, un-check the check box.
- **NAME** – refers to Doors.NET Application Server.
- **DESCRIPTION** – text that describes the Access Control integration.
- **INTEGRATION PLUG-IN** – name of Doors.NET plugin integration.
- **LAST CONFIGURATION REFRESH** – date and time of last configuration refresh.
- **REFRESH CONFIGURATION BUTTON** – click this button to refresh configuration after changes to Doors.NET hardware, such as adding / removing controllers and readers.
- **ADDRESS** – IP address of Doors.NET Application Server.
- **PORT** – TCP port of Doors.NET Application Server.
- **USER NAME** – Doors.NET login user name.
- **PASSWORD** – Doors.NET login password.

- Associate one or more cameras with each door by dragging and dropping camera(s) from the right panel to a specific Door. Click OK.

Doors:

All doors ▾

Name	Enabled
Accounting Area	<input checked="" type="checkbox"/>
Access point: <b>Accounting Area AccessPoint</b> Drop camera here to associate it with the access p	
Back Door	<input checked="" type="checkbox"/>
Executive Conference Room	<input checked="" type="checkbox"/>
Executive Offices	<input checked="" type="checkbox"/>
Front Door	<input checked="" type="checkbox"/>
IT Room	<input checked="" type="checkbox"/>
Janitorial Closet	<input checked="" type="checkbox"/>
Manufacturing Floor	<input checked="" type="checkbox"/>

Cameras:

- Server
  - All Cameras (Server)
    - Conference Room
    - Front Reception
    - IT Room
    - Main Car Park
    - Server Room
  - All Slaves (Server)

- Select the system events that you wish to monitor within the XProtect Smart Client application. You can also use categories to simplify the user of triggering events.

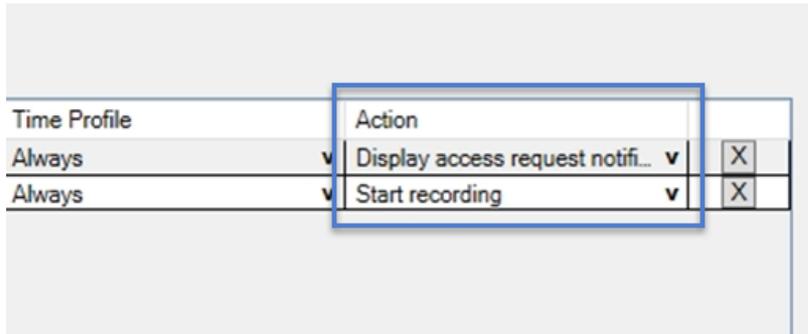
- General Settings
- Doors and Associated Cameras
- Access Control Events
- Access Control Actions
- Cardholders

### Access control events

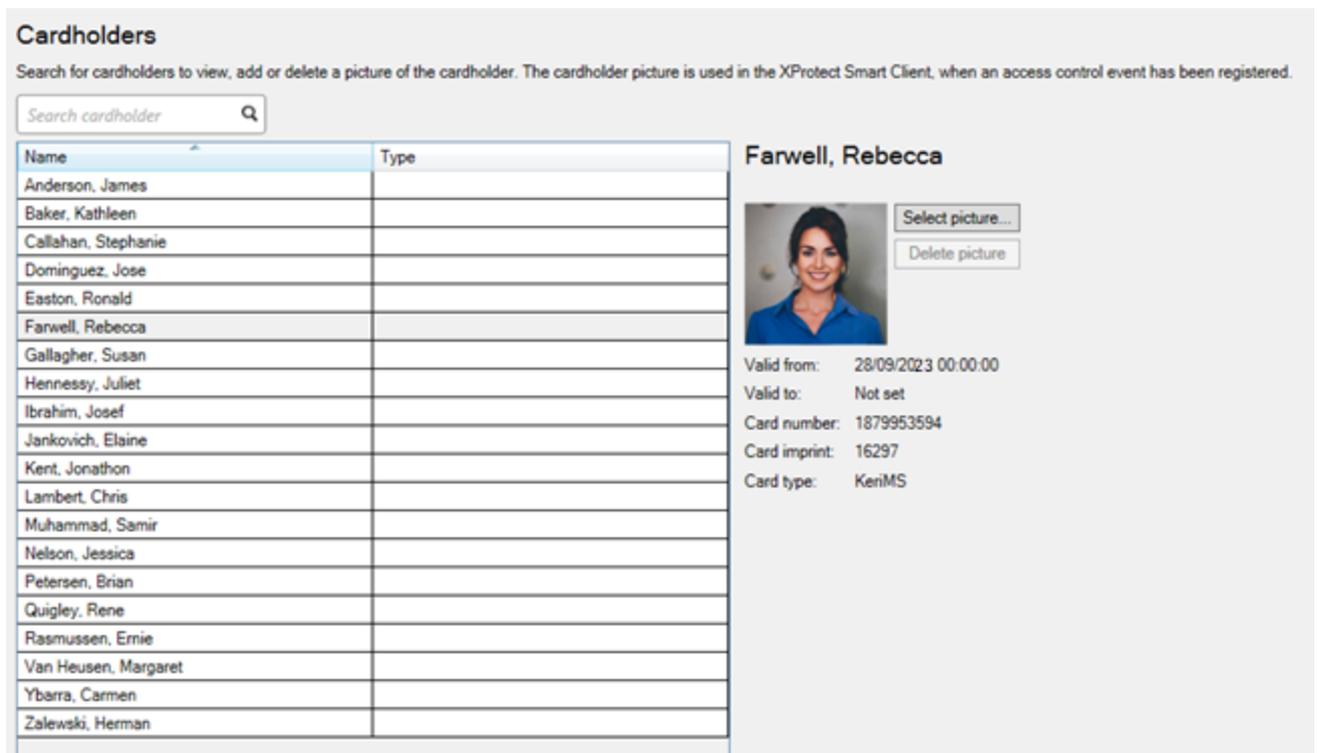
Select the events you want to monitor in XProtect Smart Client. Use categories to simplify the use of triggering events.

Select	Access Control Event	Source Type	Event Category
<input checked="" type="checkbox"/>	Access Denied (Credential Not Found)	Access point	
<input checked="" type="checkbox"/>	Access Denied (Credential)	Access point	Access denied
<input checked="" type="checkbox"/>	Access Granted (Credential)	Access point	Access granted
<input checked="" type="checkbox"/>	Access Granted (No Entry)	Access point	Access granted
<input checked="" type="checkbox"/>	Auto Unlock Restored	Door	
<input checked="" type="checkbox"/>	Auto Unlock Suspended	Door	
<input checked="" type="checkbox"/>	Closed	Door	
<input checked="" type="checkbox"/>	Controller Offline	Door Controller	
<input checked="" type="checkbox"/>	Controller Online	Door Controller	
<input checked="" type="checkbox"/>	Disabled	Access point	
<input checked="" type="checkbox"/>	Door Alarm Normalized	Door	
<input checked="" type="checkbox"/>	Door Forced Open Alarm	Door	
<input checked="" type="checkbox"/>	Door Forced Open And Open Too Long Alarm	Door	
<input checked="" type="checkbox"/>	Door Locked By Time Schedule	Door	
<input checked="" type="checkbox"/>	Door Open Too Long Alarm	Door	
<input checked="" type="checkbox"/>	Door Secured - Forced Open Is Masked	Door	
<input checked="" type="checkbox"/>	Door Secured - Held Open Is Masked	Door	
<input checked="" type="checkbox"/>	Door Secured (Previously Both Forced Open...	Door	
<input checked="" type="checkbox"/>	Door Secured (Previously Forced Open)	Door	
<input checked="" type="checkbox"/>	Door Secured (Previously Open Too Long)	Door	
<input checked="" type="checkbox"/>	Door Unlocked By Time Schedule	Door	

- Next, select 'Access Control Actions' then define the Source, Time Profile and Action for each chosen item. Click OK.



- Select 'Cardholders' to search, view, add or delete a picture of the cardholder. Cardholder pictures are used in XProtect Smart Client for access control events that are received by the Doors.NET Plugin Integration.



Cardholder pictures are used in XProtect Smart Client for access control events that are received by the Doors.NET Plugin Integration.

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## 8.0 Further Details

If you want further details about the Doors.NET integration with the XProtect software, or if you want to be introduced to this Solution Partner, please submit your information. You will be contacted by Milestone shortly.

### Contact Keri Systems

<b>Keri USA</b>	<b>Keri UK, Ireland, Europe</b>
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E-mail: <a href="mailto:sales@kerisys.com">sales@kerisys.com</a> <a href="mailto:techsupport@kerisys.com">techsupport@kerisys.com</a>	E-mail: <a href="mailto:eusales@kerisys.com">eusales@kerisys.com</a> <a href="mailto:eutech@kerisys.com">eutech@kerisys.com</a>

Borealis User Interface - [keri.aetheros.net](http://keri.aetheros.net)

Knowledge Base Website - [help.kerisys.com](http://help.kerisys.com)

Guided Support - <https://kerisys.com/guided-support>

YouTube Channel - [www.youtube.com/user/kerisystems](http://www.youtube.com/user/kerisystems)

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