

TDS Access Control Plugin

Installation and Configuration Guide



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Prerequisites

Software

TDS

- A functioning TDS Access Control installation with the WinGuard protocol activated.
- TDS Access Control Plugin for XProtect installer (“TDSPluginInstaller.exe”).



Milestone

- Server running Milestone XProtect version 2018R2 or later.
- Compatible XProtect product (see information below)

XProtect Access compatibility chart

XProtect Add-on	Add-on description	XProtect Essential+	XProtect Professional & Express series	XProtect Corporate & Expert	Husky M20 & M50	Husky M500 & M550
 XProtect Access	Unites access control and video for monitoring access events and controlling access points.		✓	✓	✓	✓

Note: Husky NVR units are compatible with XProtect Access Control Module, which has all major functionality of XProtect Access

Licensing

Finding license information (explained)

For XProtect Access, find license information in the:

- MIP Plug-ins section of the Management Application; or the
- license overview page of the Management Client.

For individual doors, find license information on the Door and Associated Cameras tab of the Access Control system integration properties.

Trial license

For XProtect Express+, XProtect Professional+, XProtect Corporate, and XProtect Expert products, XProtect Access offers a 30-day trial license for all newly added doors.

For XProtect Professional and XProtect Express products, XProtect Access offers a 30-day trial license for up to three doors.

Unlicensed doors

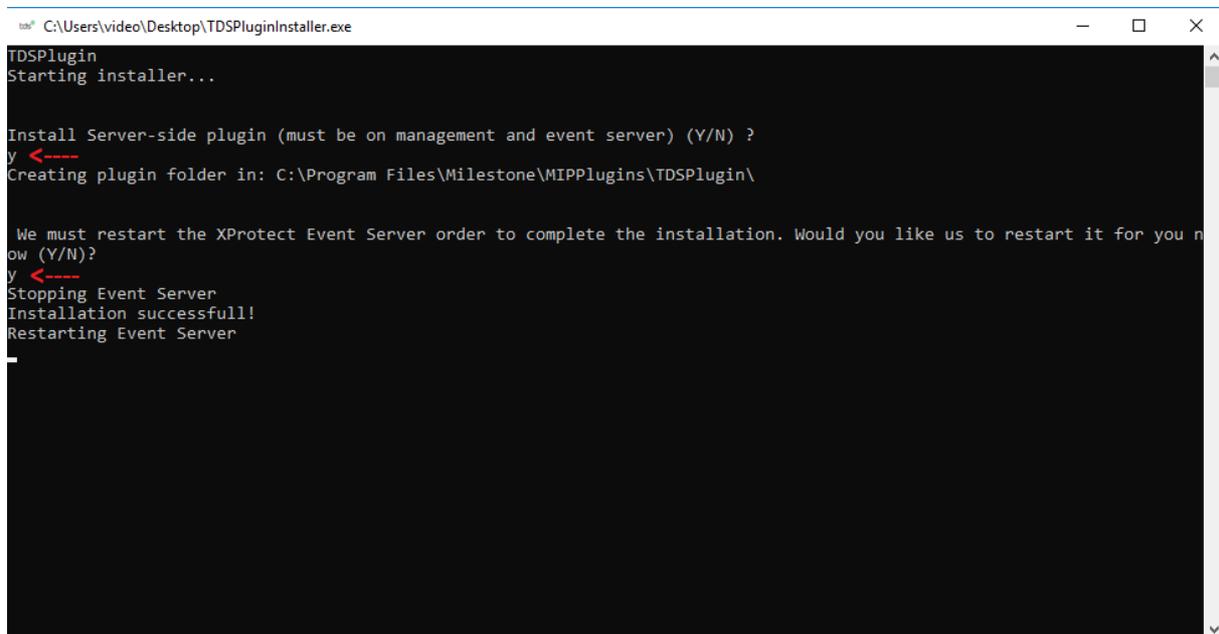
Unlicensed doors stay in your system, but you:

- will not see events and status from unlicensed doors;
- cannot lock, unlock, or perform other commands on unlicensed doors.

Installation

Installing the plugin

Run the provided installer “TDSPluginInstaller.exe” on the server hosting the Milestone Management server and Milestone Event Server. The installer will ask if you want to install the plugin, and if you want to automatically restart the event server. The files will not be installed if you do not select “yes” to both options.



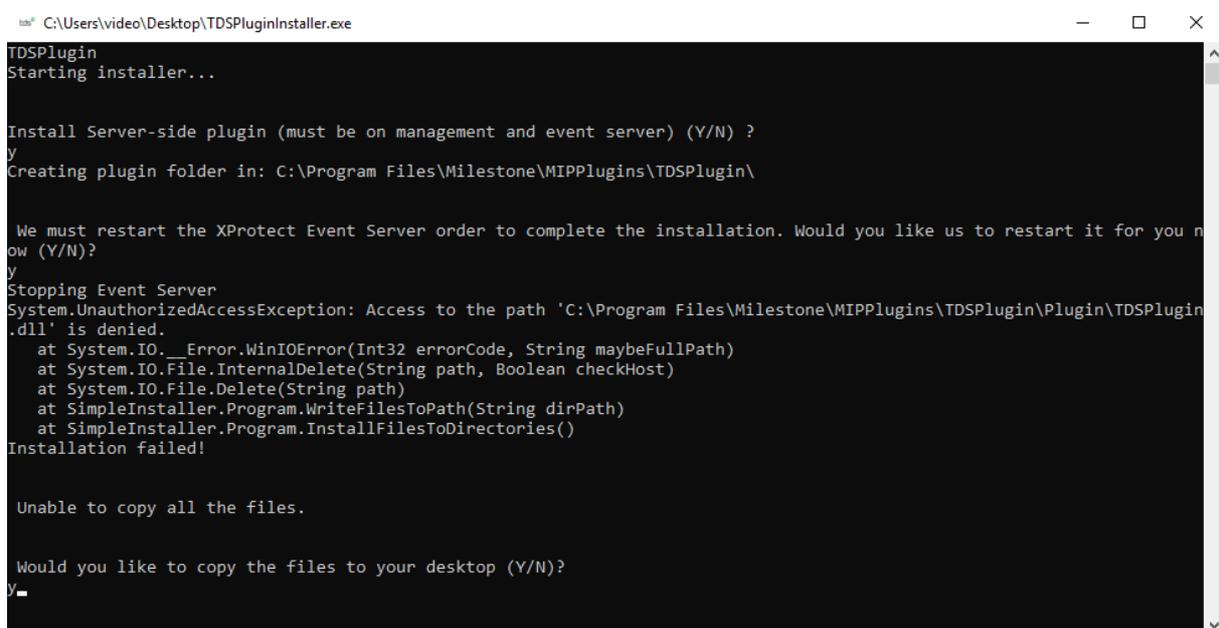
```
C:\Users\video\Desktop>TDSPluginInstaller.exe
TDSPlugin
Starting installer...

Install Server-side plugin (must be on management and event server) (Y/N) ?
y <-----
Creating plugin folder in: C:\Program Files\Milestone\MIPPlugins\TDSPlugin\

We must restart the XProtect Event Server order to complete the installation. Would you like us to restart it for you now (Y/N)?
y <-----
Stopping Event Server
Installation successfull!
Restarting Event Server
```

Troubleshooting the installation

If you are re-installing the plugin, a common error can happen where the installer is unable to overwrite the files because they are in use.



```
C:\Users\video\Desktop>TDSPluginInstaller.exe
TDSPlugin
Starting installer...

Install Server-side plugin (must be on management and event server) (Y/N) ?
y
Creating plugin folder in: C:\Program Files\Milestone\MIPPlugins\TDSPlugin\

We must restart the XProtect Event Server order to complete the installation. Would you like us to restart it for you now (Y/N)?
y
Stopping Event Server
System.UnauthorizedAccessException: Access to the path 'C:\Program Files\Milestone\MIPPlugins\TDSPlugin\Plugin\TDSPlugin.dll' is denied.
   at System.IO.__Error.WinIOError(Int32 errorCode, String maybeFullPath)
   at System.IO.File.InternalDelete(String path, Boolean checkHost)
   at System.IO.File.Delete(String path)
   at SimpleInstaller.Program.WriteFilesToPath(String dirPath)
   at SimpleInstaller.Program.InstallFilesToDirectories()
Installation failed!

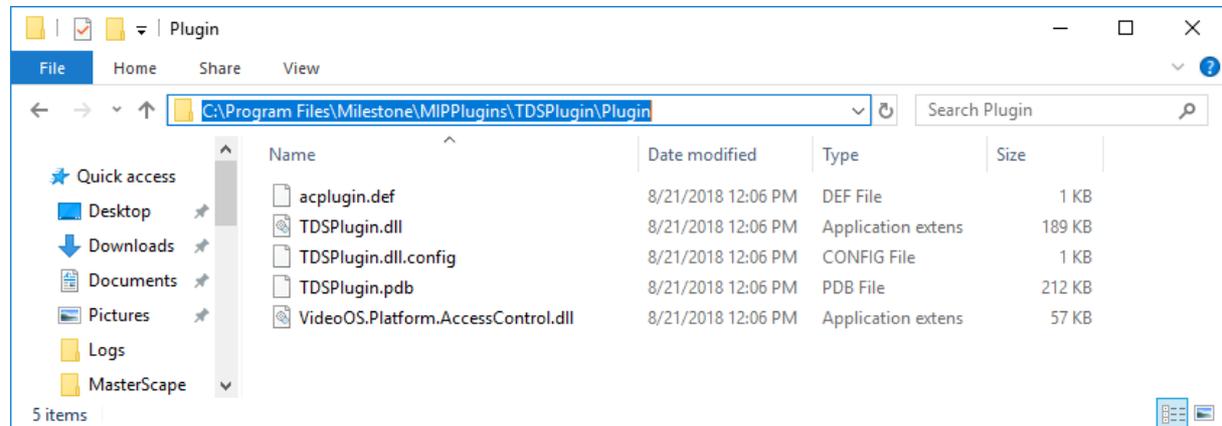
Unable to copy all the files.

Would you like to copy the files to your desktop (Y/N)?
y
```

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If this happens, the installer will ask to copy the files to desktop. The installation can be done manually by copying all the files to the following location (if the folders do not exist, create them):

“C:\Program Files\Milestone\MIPPlugins\TDSPlugin\”



Uninstalling the plugin

The plugin can be uninstalled by stopping the Milestone Event Server Service and deleting the root folder of the plugin located at “C:\Program Files\Milestone\MIPPlugins\TDSPlugin\”.

If you merely want to deactivate the plugin, simply rename the “acplugin.def” to “acplugin.def.off” and restart the Milestone Event Server Service.

Configuring the access control system in Milestone Management Client

First connection

Create Access Control System Integration ✕

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="TDS Access Control"/>
Integration plug-in:	<input type="text" value="Time Data Security Plugin"/>
Address:	<input type="text" value="TDS-ACCESS-SERVER-01"/> A
Port:	<input type="text" value="7979"/> B
User:	<input type="text" value="TDS"/> C
Password:	<input type="password" value="..."/> D

A. Address

- Hostname or IP address of the TDS access control server (Corinio)

B. Port

- The port used to connect to Corinio

C. User

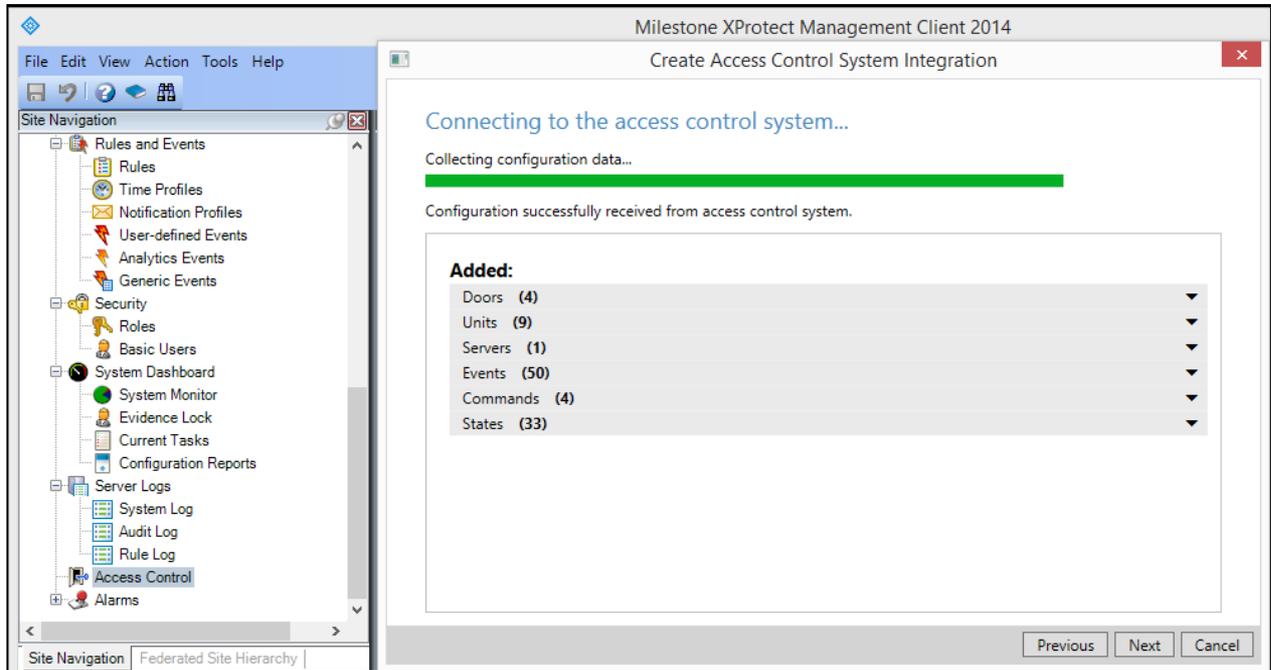
- The username used to connect to Corinio

D. Password

- The password used along with the username to connect to Corinio

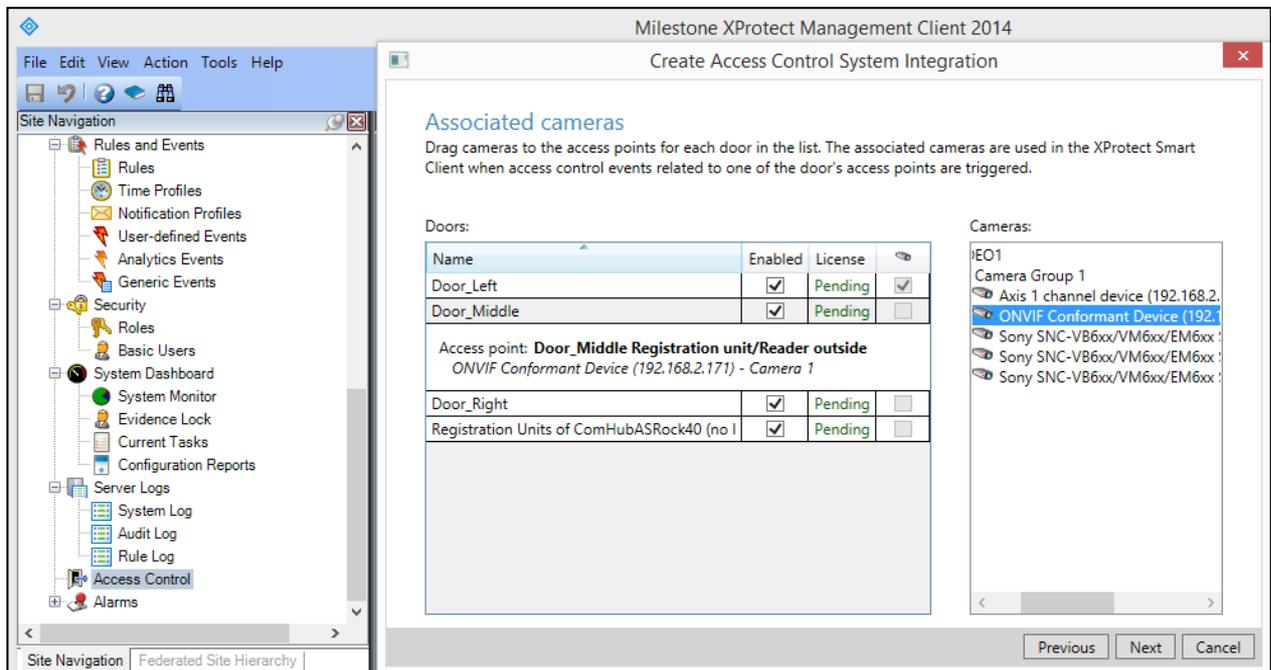
Configuration check

As soon as all the fields have been properly filled, you may click the “Next” button to start the plug-in. If the plugin can’t connect to TDS Access Control server, an error message will appear. If the configuration retrieval has succeeded, you will see a list showing all the doors and card readers used by the access control system.



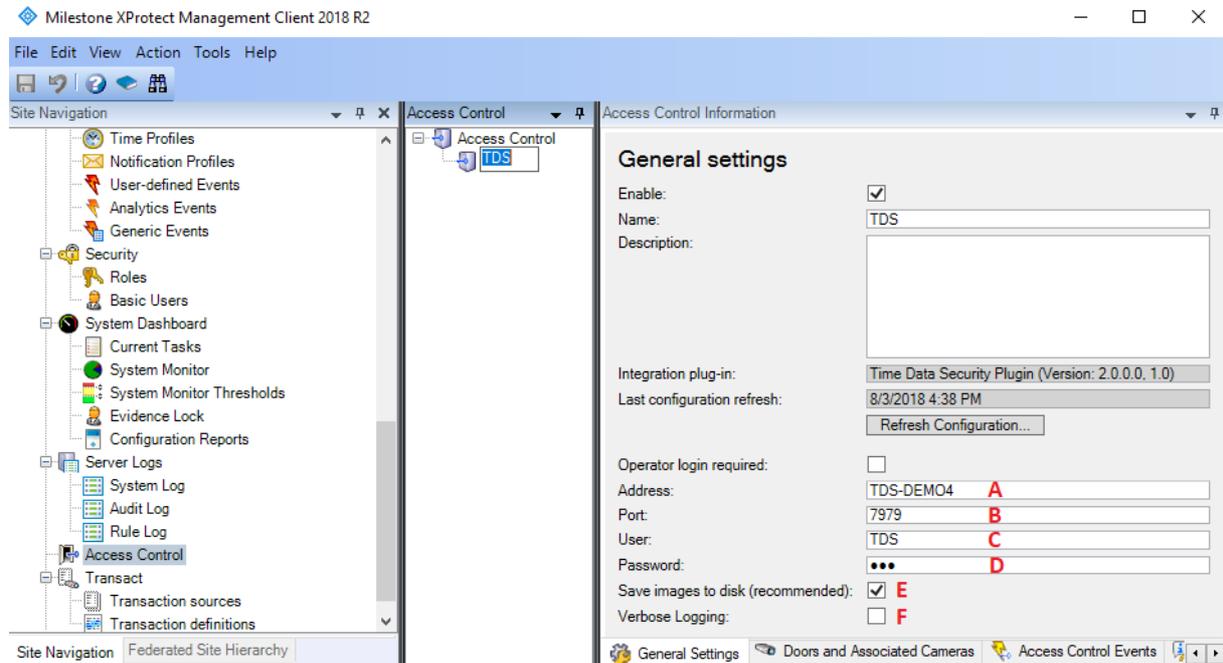
Associating cameras

This step allows you to associate cameras to the card readers of your access control system. You may also configure these setting later on.



General Settings

Once the plugin has been properly added, a few more options are available:



E. Save images to disk

This checkbox allows you to save all credential holder photos to the local disk. By default, these photos will be saved here:

“C:\Windows\ServiceProfiles\NetworkService\AppData\Local\TDSPlugin\Photos”

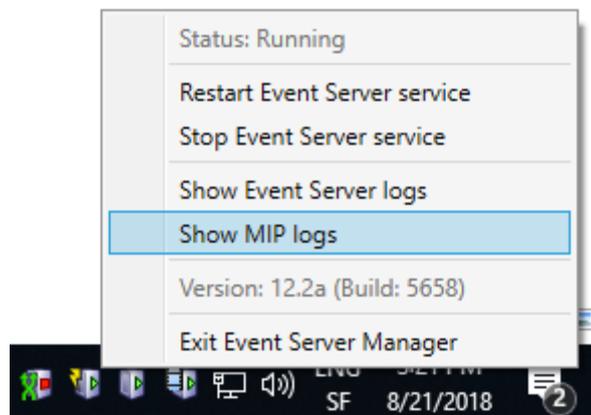
It is recommended to keep this checkbox checked so that TDS access control plugin does not need to request a picture every time a user swipes his card (**this causes massive lag on the system**).

If a credential holder has a new picture taken in Corinio, you must find and delete that picture so that the plugin will retrieve the new one.

F. Verbose Logging

Selecting this option will cause the logging engine to show every byte received from Corinio. These logs can be viewed by right-clicking on the Event Server Service tray icon and selecting “Show MIP Logs” or alternatively by navigating to the “C:\ProgramData\Milestone\XProtect Event Server\logs\MIPLogs” folder and opening the most recent log file.

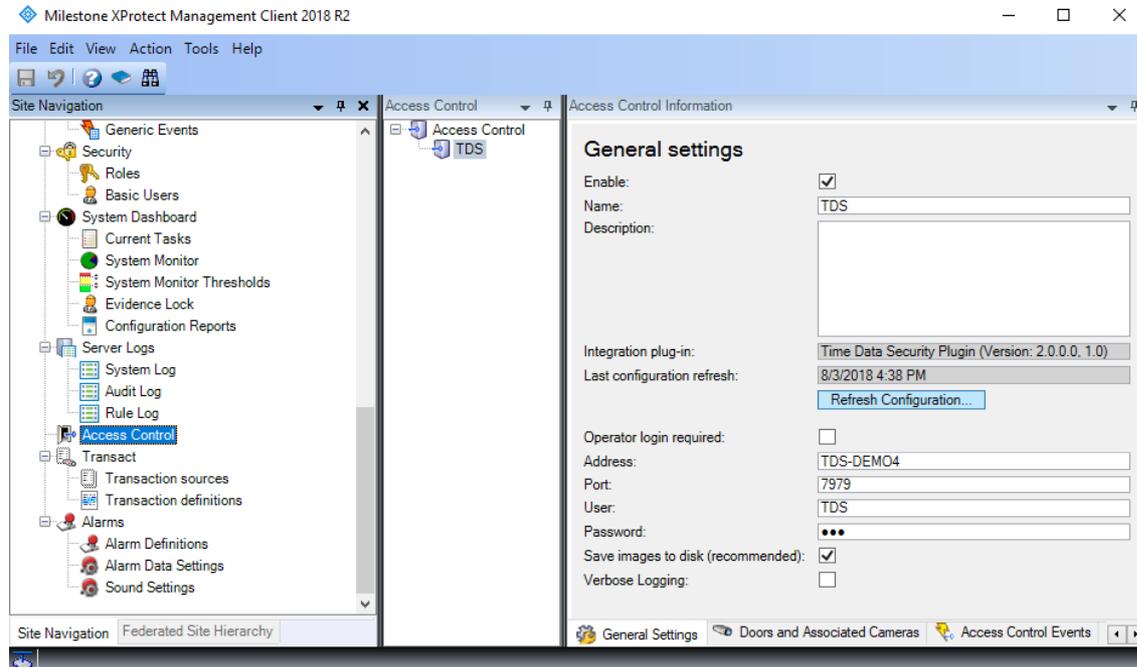
Selecting this option will create large log files only use it for troubleshooting.



Refreshing the configuration

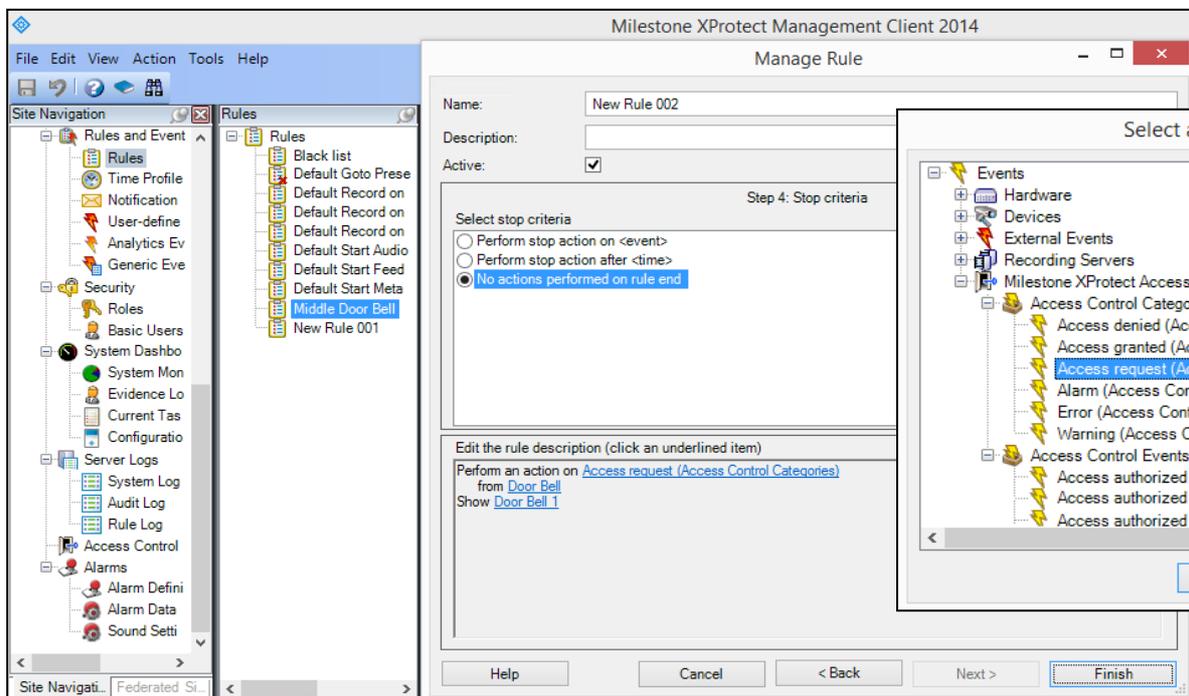
If you add or remove elements from the TDS access control system you must refresh the configuration in the management client for the changes to take effect. This is done by clicking the “Refresh Configuration” button in the General settings tab of the properties panel of the TDS plug-in.

Please note that refreshing the configuration can cause doors to go from licensed to unlicensed and vice-versa so the best practice is to review the “Doors and Associated Cameras” tab for changes.



Smart Client Popup notifications (Access Request Notifications)

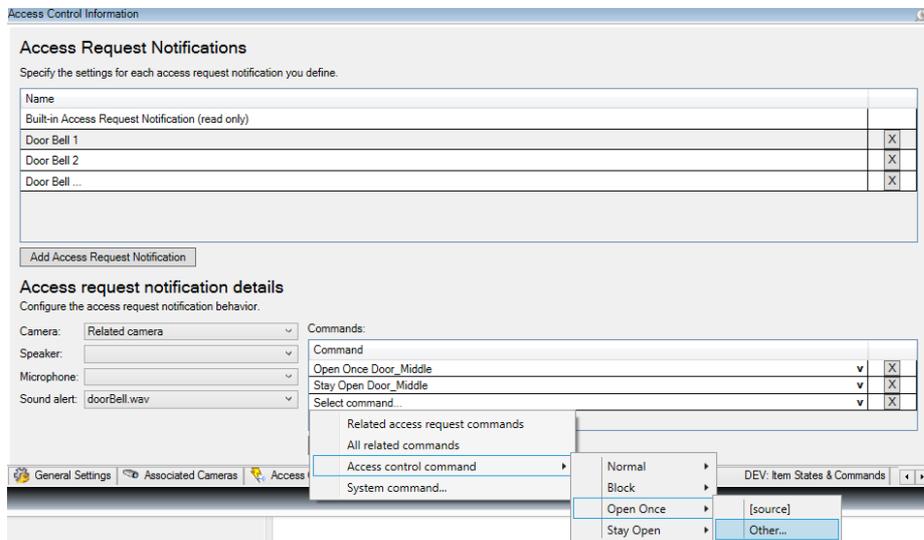
Milestone’s rule system allows you to create Access requests notifications when certain events are triggered. These triggers can be anything from user defined events to inputs. When an access request notification pops up, you can use it to remotely open a door or take specific actions on your access control system.



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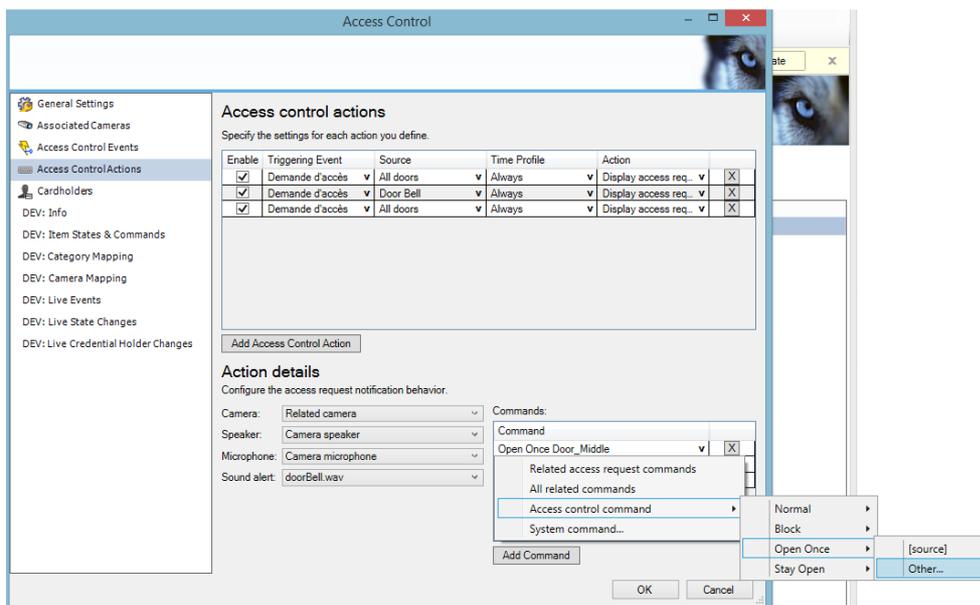
Configuring access request notifications on Milestone XProtect Corporate or Expert

Go in the “Access Request Notifications” tab inside the access control properties panel and add as many access request notifications as you like. Choose which command(s) you want to associate with each one of them and which door(s) they are linked to.



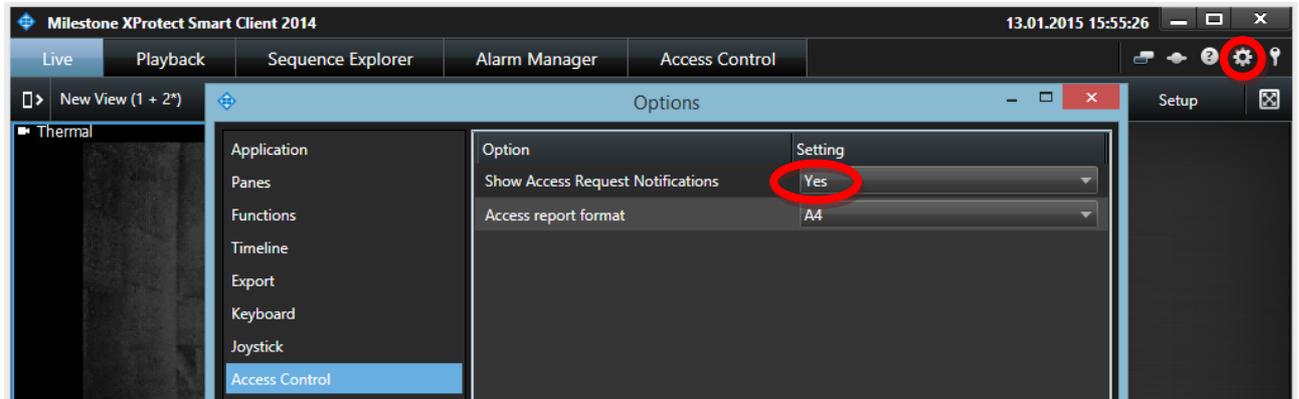
Configuring access request notifications on Milestone’s other XProtect products

Go in the “Access Request Notifications” tab inside the access control properties panel and add one access request notification per door bell. Choose which command(s) you want to associate to them and which doors they are linked to.



Testing the notifications

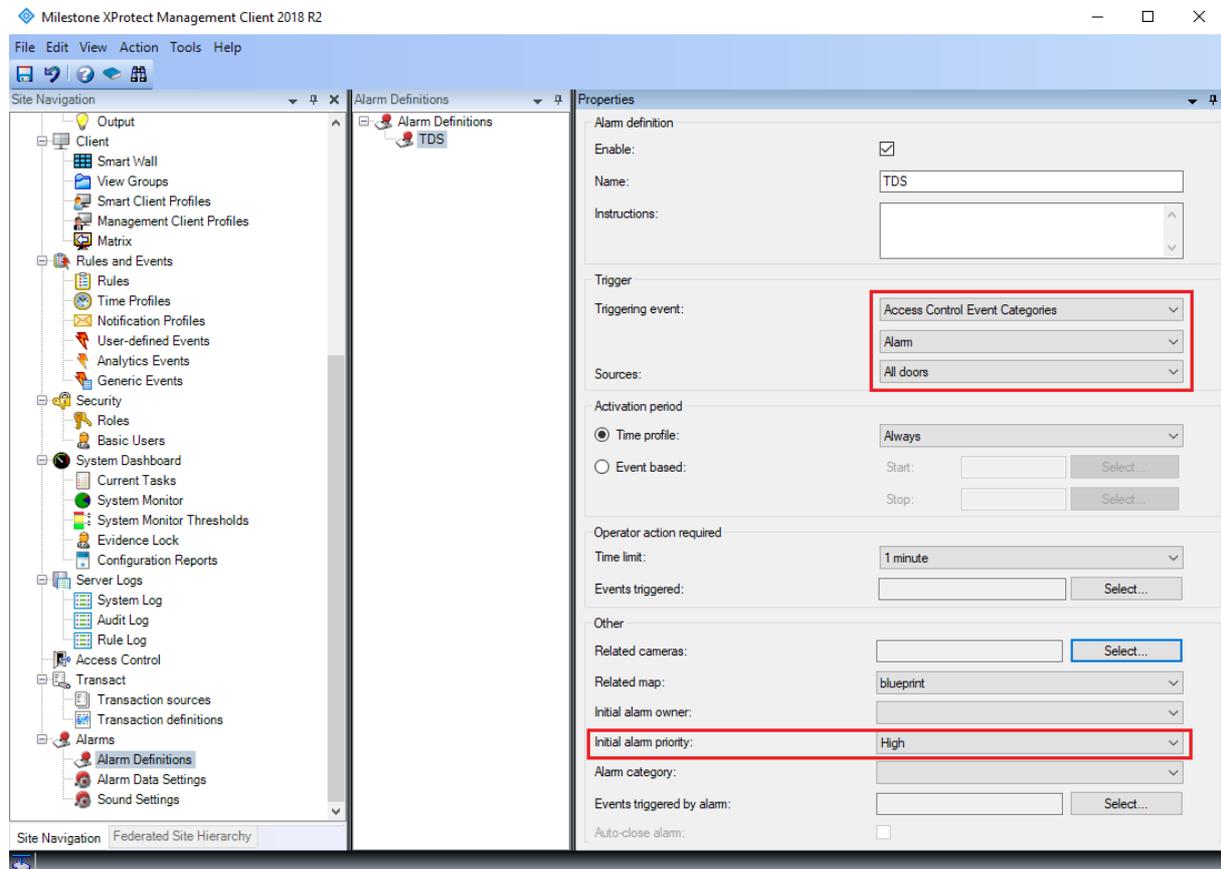
Before testing the access request notifications, make sure that the access requests are activated in all the Smart Clients that will be using them.



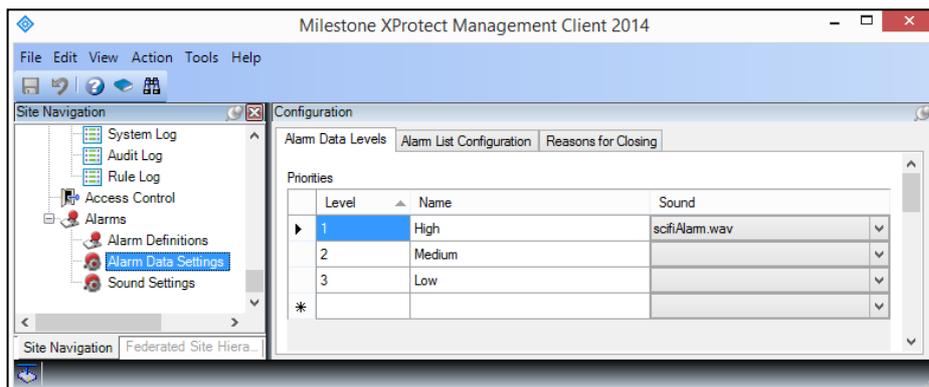
If your door bells have been configured properly, you will see an access request notification appear every time the door bell is pressed. You will also see all the chosen door commands.

Configuring the alarms

You must add an Alarm Definition to Milestone’s configuration in order to receive alarms inside the Smart Clients. It’s important to choose “Access Control Event Categories” and specify that alarms can be triggered by all doors. You should also choose the initial alarm priority and which map they are related to.



You can link sound notifications to different alarm priorities. Just make sure that the “Play sound notifications” checkbox is checked inside all of the Smart Client’s options that you want this feature enable in.



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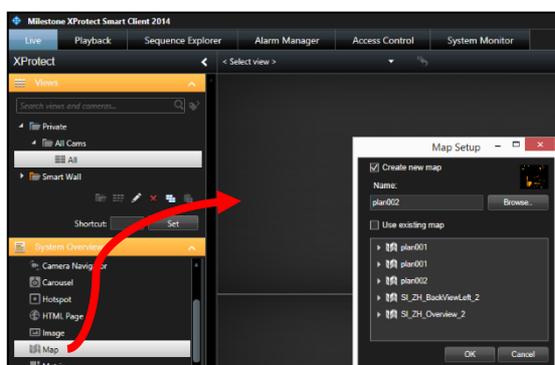
Alarm acknowledgement

When a door is in the alarm state, the door's icon will flash red. To acknowledge the alarm, simply right click on the door (make sure you click on the door and not a card reader that might have been put a little too close to the door) and then click the "Acknowledge Alarm" button. You can also do this from inside the Smart Client's "Alarm Manager" tab.

Priority Level	State Level	State Name	Message
1	Alarm	Door forced open!	Door forced open!
		Acknowledge	Door forced open!
		Set on hold	Door forced open!
		Close	Door forced open!
		Edit	Door forced open!
		Disable new alarms	Door forced open!
		Print	Door forced open!

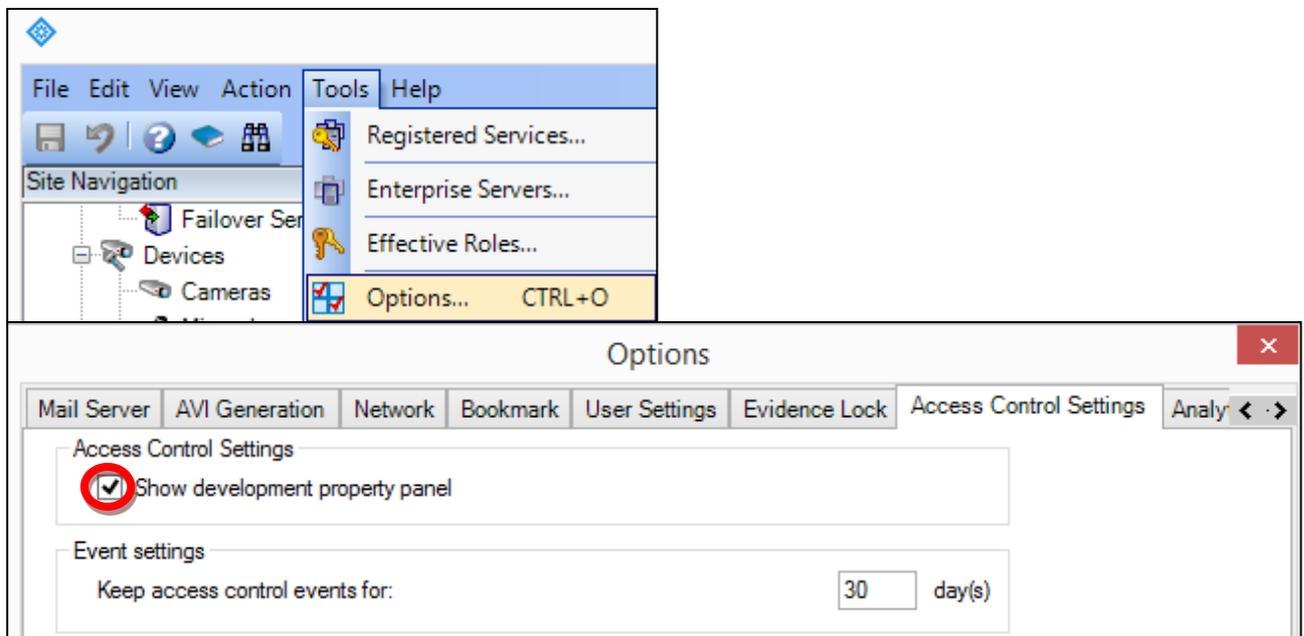
Surveillance map configuration

Milestone's Smart Client allows you to integrate all of your access control system's elements onto a surveillance map. Open the Smart Client, go to the "Live" section and click the configuration button. Drag & drop a "Map" element inside a view container and select an image for your map. You can add doors, door controllers, card readers, communication hubs and servers with the integrated tool.



Development property panel activation

You can activate the development property panel in the Milestone Management client's options. This panel allows extra features for the configuration of your TDS plug-in like viewing live events and seeing the states of all the connected devices.



Links

Additional training

https://www.youtube.com/results?search_query=milestone+xprotect+access+control

Support

<https://www.timedatasecurity.com/support>