

Xprotect setup procedure Guide for Media Gateway (VMS Plus)

◀

Soliton Systems K.K

table of contents

1	Introduction	- 1 -
2	Xprotect installation	- 2 -
2.1	Download Xprotect VMS Products	- 2 -
2.2	Xprotect installation	- 3 -
2.2.1	Choose language	- 3 -
2.2.2	License Agreement	- 4 -
2.2.3	Select license file	- 5 -
2.2.4	Select installation type	- 7 -
2.2.5	Components to be installed	- 8 -
2.2.6	Specify recording server settings	- 9 -
2.2.7	Select file location and product language	- 10 -
2.2.8	The installation is complete	- 12 -
2.2.9	Enter user names and passwords for hardware	- 13 -
2.2.10	Select the hardware to add to the system	- 14 -
2.2.11	Add users	- 15 -
2.2.12	The configuration is complete	- 16 -
3	Register Media Gateway	- 17 -
3.1	Start Xprotect Management Client	- 17 -
3.2	Add hardware	- 18 -
3.2.1	Additional method	- 19 -
3.2.2	Specify user name and password	- 20 -
3.2.3	Select driver	- 21 -
3.2.4	Addition of hardware information	- 22 -
3.2.5	Enable device	- 24 -
3.2.6	Select default group	- 25 -
4	For Viewing on Smart Client	- 27 -
4.1	Start Smart Client	- 27 -
4.2	Add View	- 28 -
4.3	Arrange the Camera	- 29 -

1 Introduction

This document explains the procedure for building Xprotect.

If you already have XProtect connection environment, refer to Chapter 3 "Register Media Gateway" on p.17.

You can check the procedure to distribute video from Media Gateway to XProtect.



2 Xprotect installation

Download the installer and install Xprotect.

Note: Media Gateway is tested with Xprotect 2018R3

2.1 Download Xprotect VMS Products

Access to the following URL to specify the following items and Download Xprotect VMS Products.

<https://www.milestonesys.com/support/resources/download-software/>

Download location Europe

Product Xprotect Essential +

The screenshot shows the Milestone website's 'Download software' page. The page has a navigation bar with links for SOLUTIONS, COMMUNITY, SUPPORT, EVENTS, and NEWS. Below the navigation bar, there is a section titled 'Download software' with a welcome message. A 'Download location' dropdown menu is set to 'Europe'. Below this, there are four dropdown menus for 'Product' (set to 'XProtect Essential+'), 'Type' (set to 'Software'), 'Version' (set to '2018 R3'), and 'Language' (set to 'English'). A 'Filter' button is located to the right of these dropdowns. Below the filters, there is a table with columns for 'Name', 'Version', and 'Size'. The table lists several items, including 'XProtect VMS Products', which is highlighted with a red box. Other items include 'Milestone EULA', 'XProtect Smart Client 64-bit', 'XProtect Smart Client 32-bit', 'Server-Side XProtect Smart Client 64-bit', 'Server-Side XProtect Smart Client 32-bit', and 'Readme'.

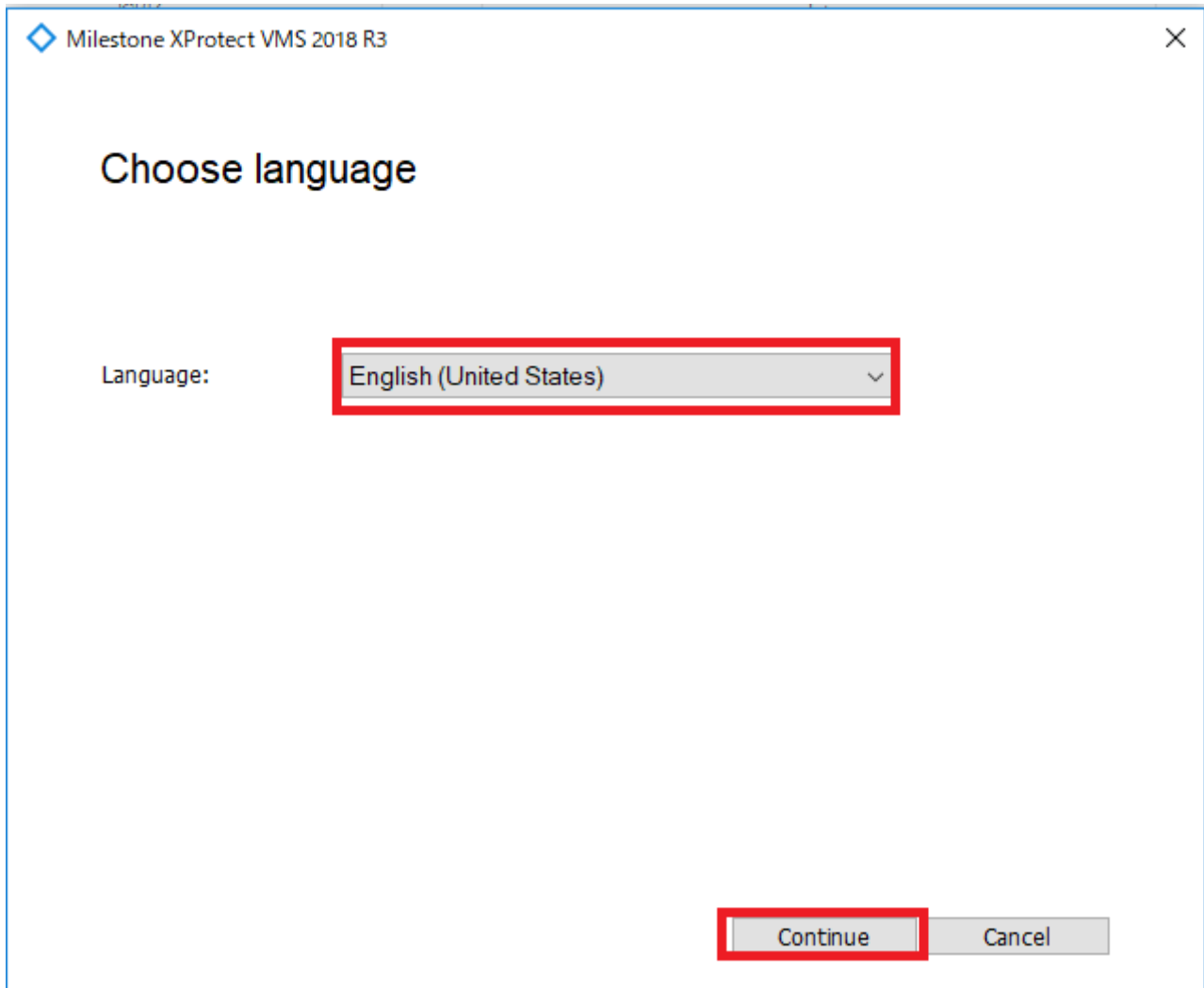
Name	Version	Size
XProtect Essential+		
Milestone EULA	20180820	96.42 KB
XProtect VMS Products	2018 R3 (12.3e)	1.76 GB
XProtect Smart Client 64-bit	2018 R3 (12.3e)	152.42 MB
XProtect Smart Client 32-bit	2018 R3 (12.3e)	94.38 MB
Server-Side XProtect Smart Client 64-bit	2018 R3 (12.3e)	152.45 MB
Server-Side XProtect Smart Client 32-bit	2018 R3 (12.3e)	94.42 MB
Readme	2018 R3 (12.3e)	4.26 KB

2.2 Xprotect installation

Run the downloaded installer.

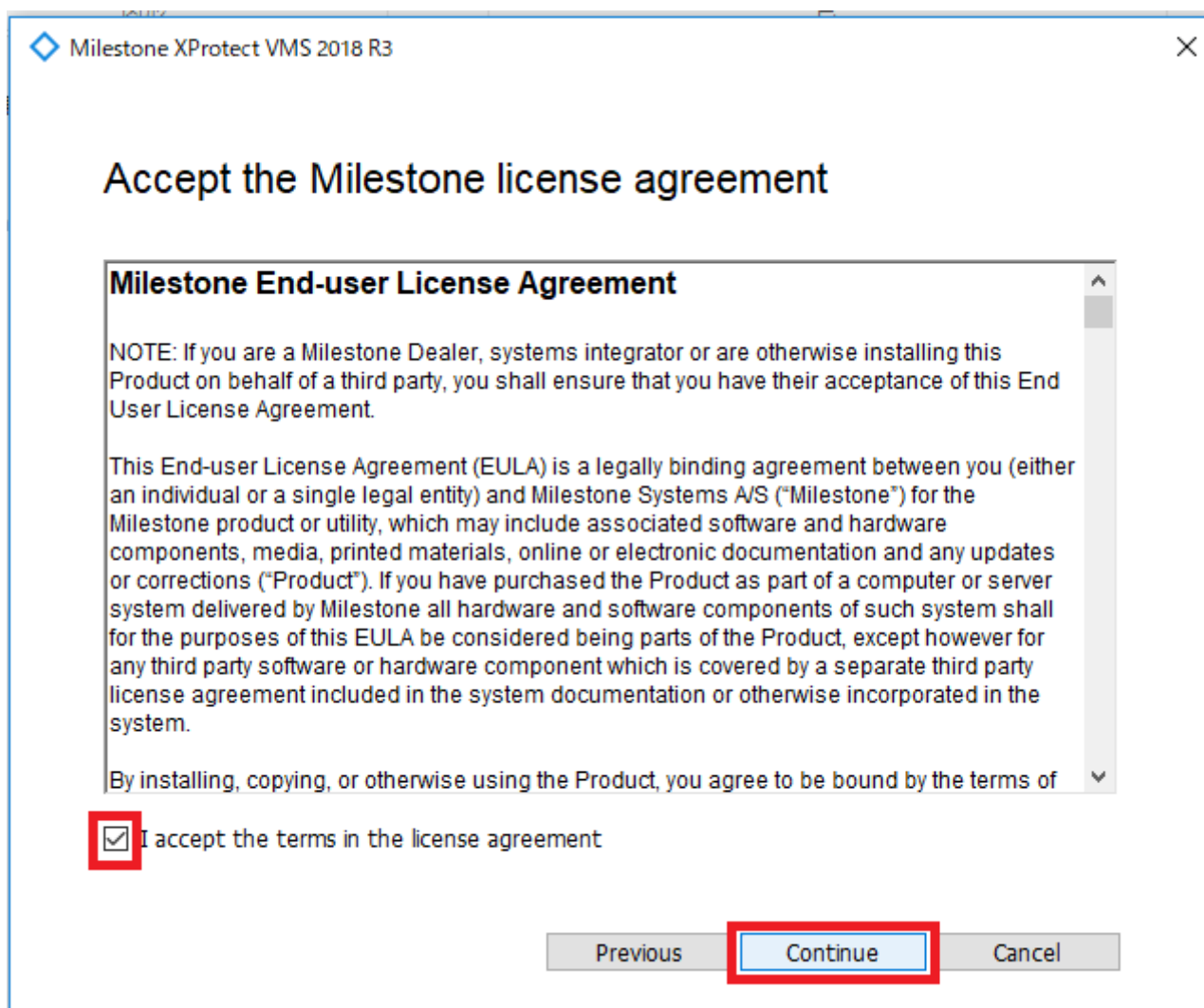
2.2.1 Choose language

Select the Continue to specify the language you want to install.



2.2.2 License Agreement


Read the terms of the license agreement, and then select the Continue put a check to agree.



2.2.3 Select license file

Select Download free Xprotect Essential+ license.

Since the download is complete license is automatically selected and choose Continue.

 Milestone XProtect VMS 2018 R3 ×

Select license file

Select a license file for XProtect that you have already purchased, or choose to install a free XProtect Essential+.

Select a valid license file. If you do not have a license file, contact your reseller.

Type or browse to the location of the license file:

Browse

XProtect Essential+ includes a free license that supports a limited number of cameras. You can download the free license here. Make sure your computer is connected to the Internet.

Download free XProtect Essential+ license

Previous

Continue

Cancel

Select license file

Select a license file for XProtect that you have already purchased, or choose to install a free XProtect Essential+.

Select a valid license file. If you do not have a license file, contact your reseller.

Type or browse to the location of the license file:

C:\Users\stc\Downloads\M01-C07-123-01-6C1150.lic

Browse

XProtect Essential+ includes a free license that supports a limited number of cameras. You can download the free license here. Make sure your computer is connected to the Internet.

Download free XProtect Essential+ license

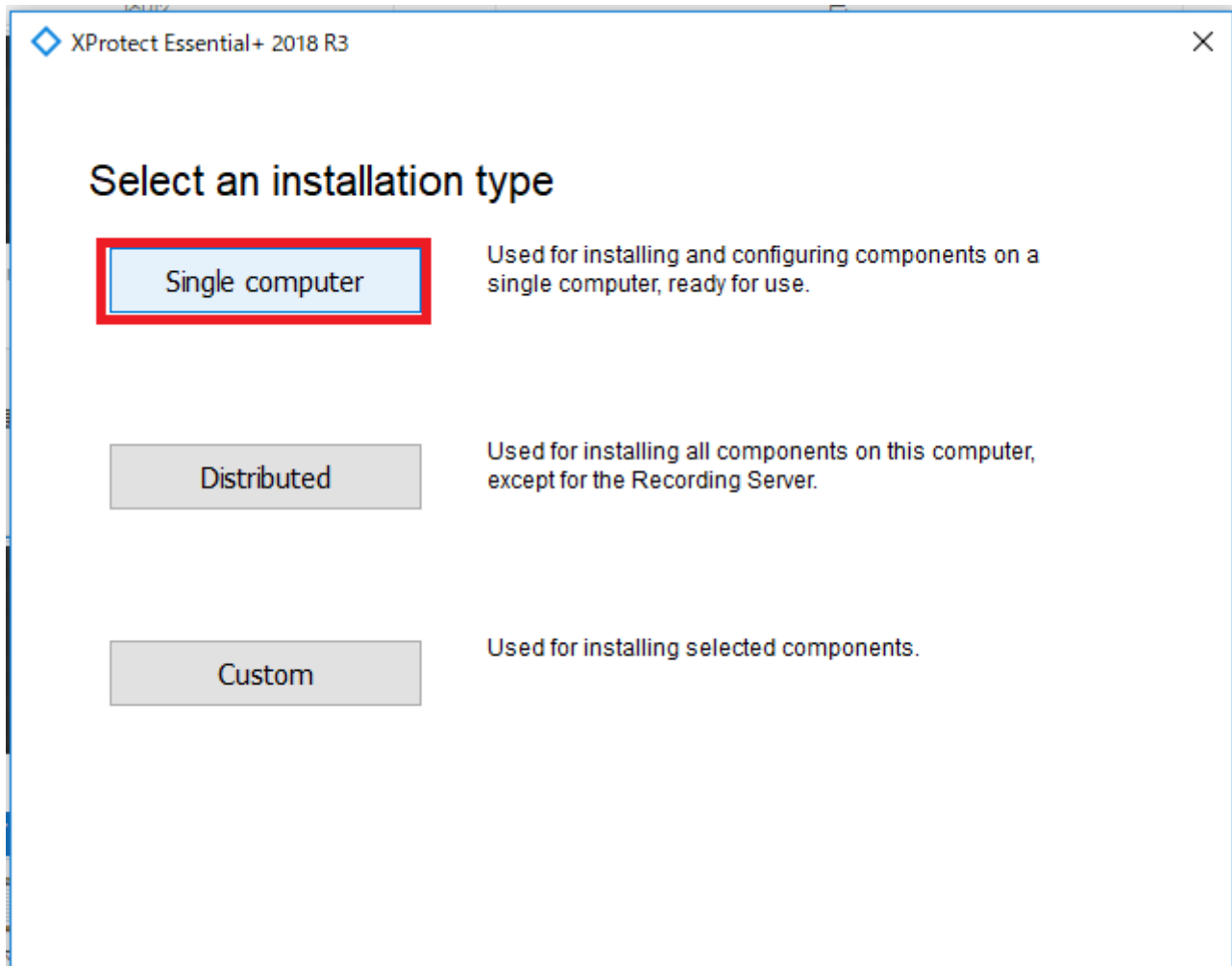
Previous

Continue

Cancel

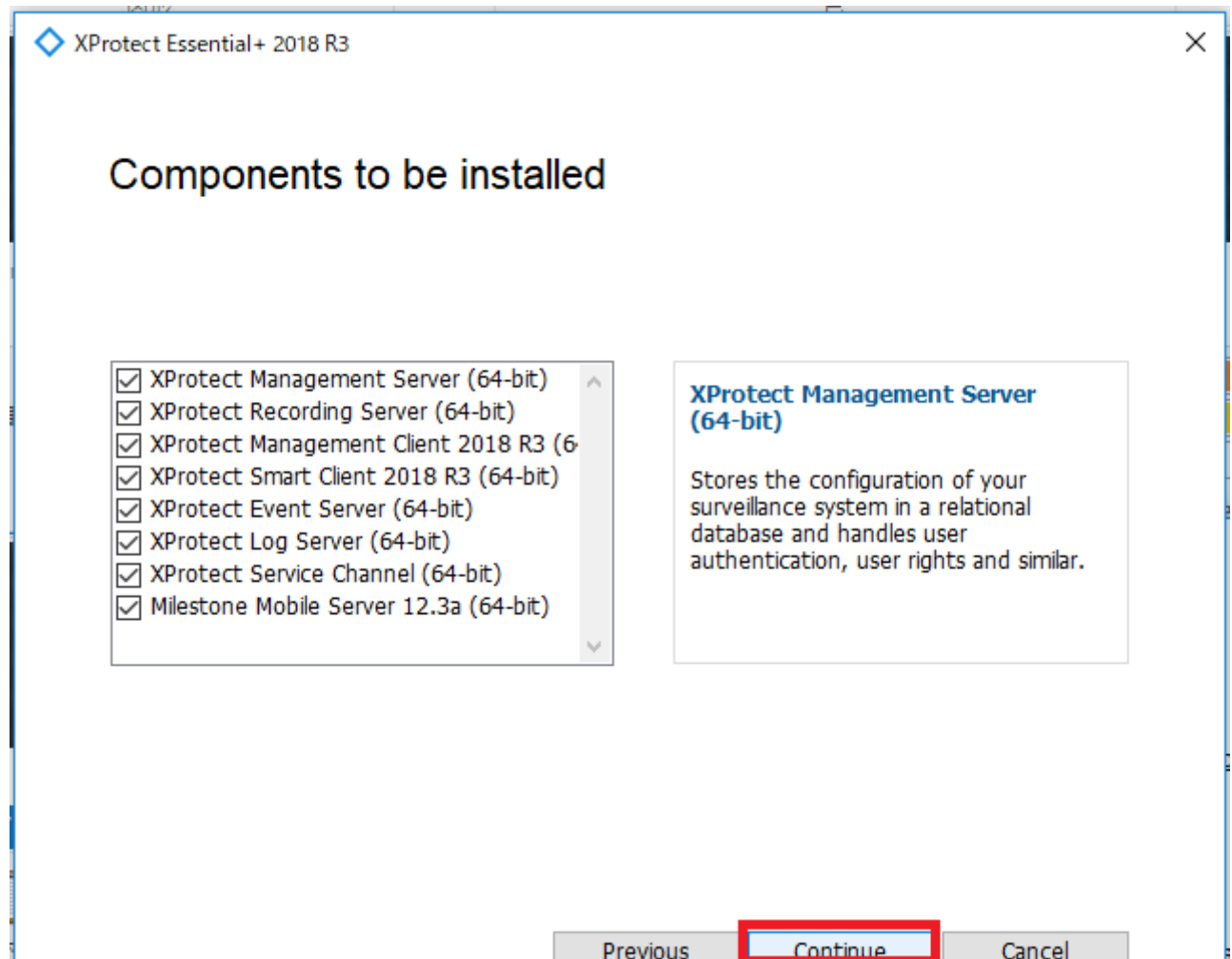
2.2.4 Select installation type

Select Single computer.



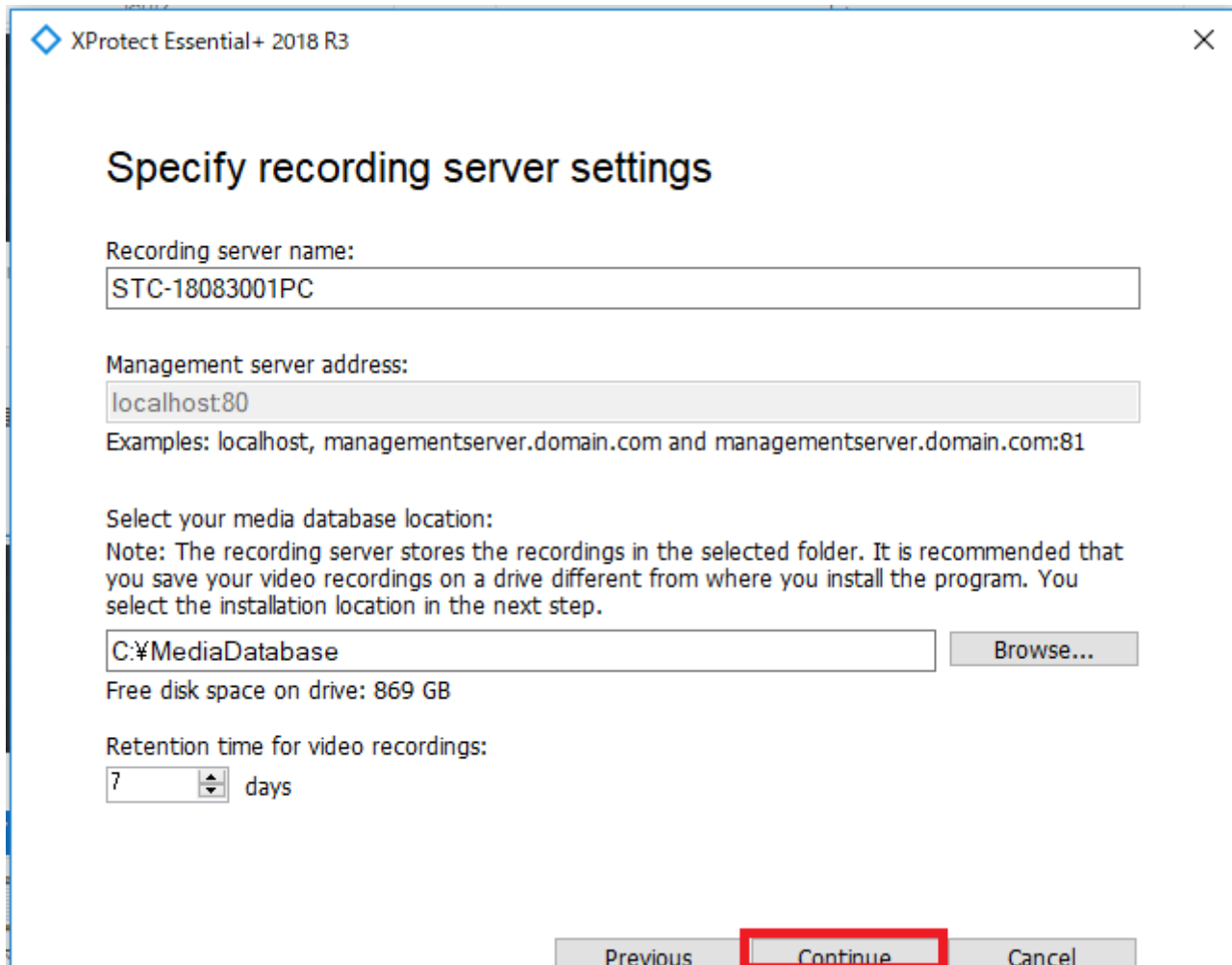
2.2.5 Components to be installed

Leave the default checking and select Continue.



2.2.6 Specify recording server settings

Leave the default and select Continue.



XProtect Essential+ 2018 R3

Specify recording server settings

Recording server name:
STC-18083001PC

Management server address:
localhost:80
Examples: localhost, managementserver.domain.com and managementserver.domain.com:81

Select your media database location:
Note: The recording server stores the recordings in the selected folder. It is recommended that you save your video recordings on a drive different from where you install the program. You select the installation location in the next step.

C:\MediaDatabase Browse...

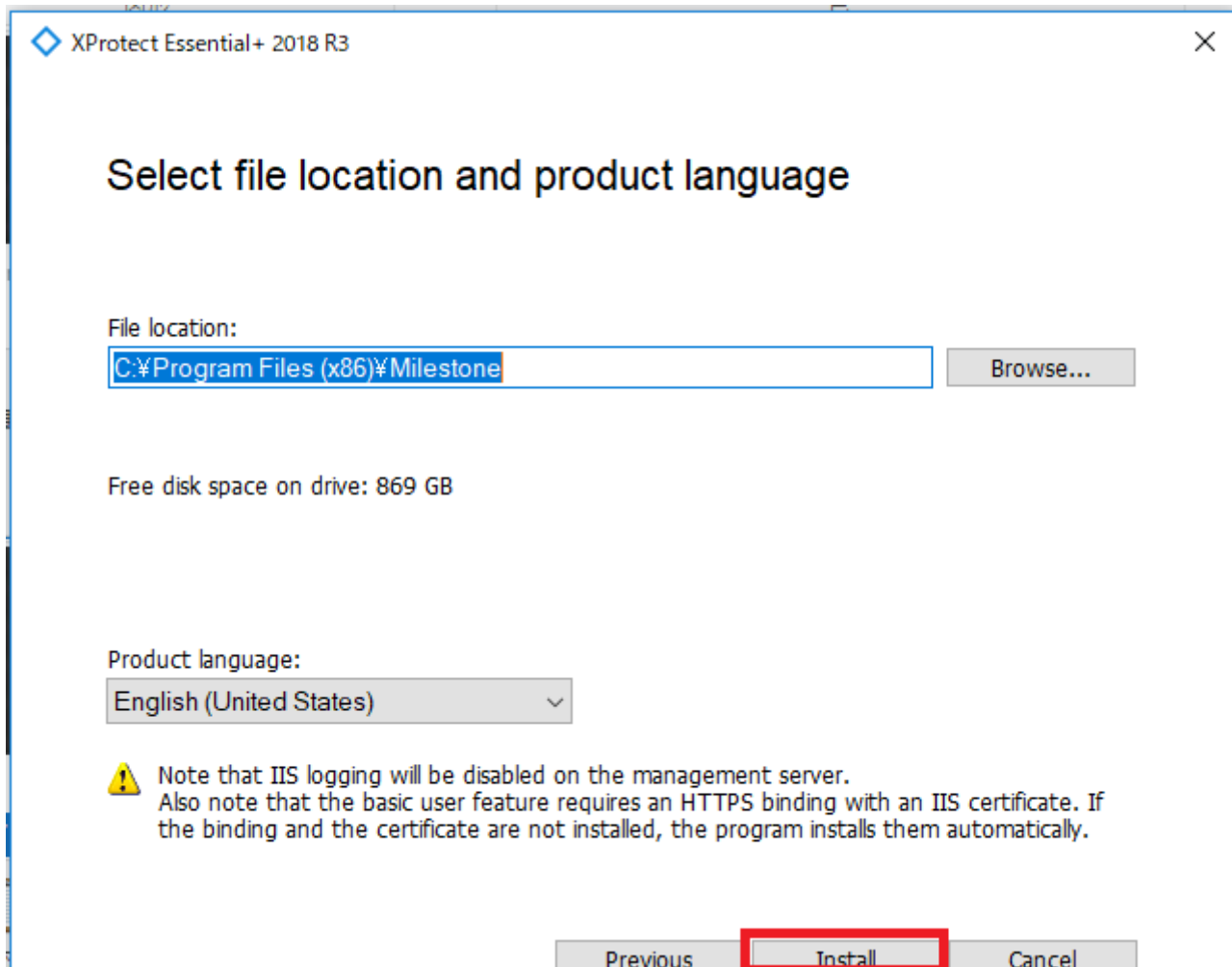
Free disk space on drive: 869 GB

Retention time for video recordings:
7 days

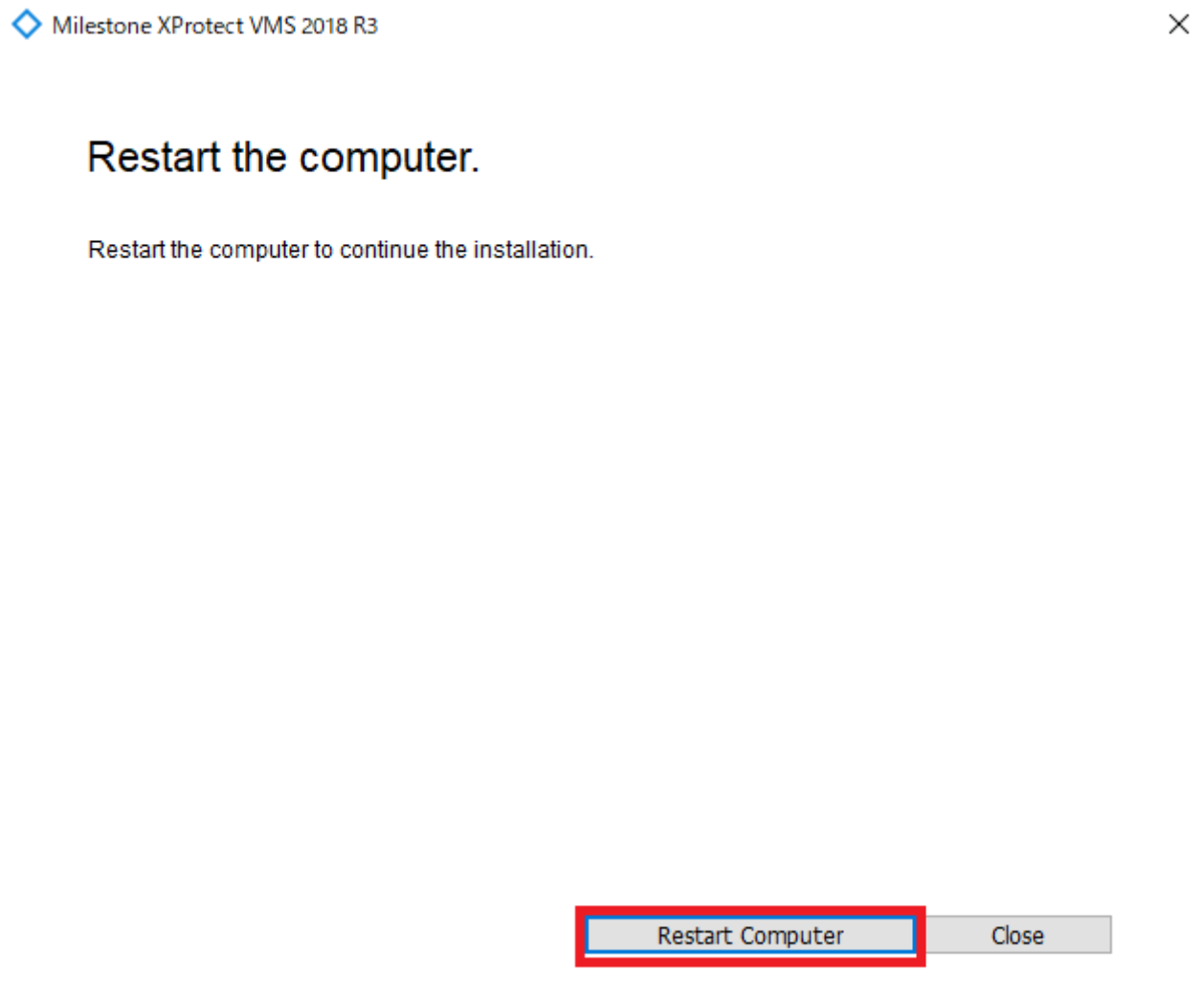
Previous Continue Cancel

2.2.7 Select file location and product language

Leave the default and select Install.



After installation is complete select Restart Computer.

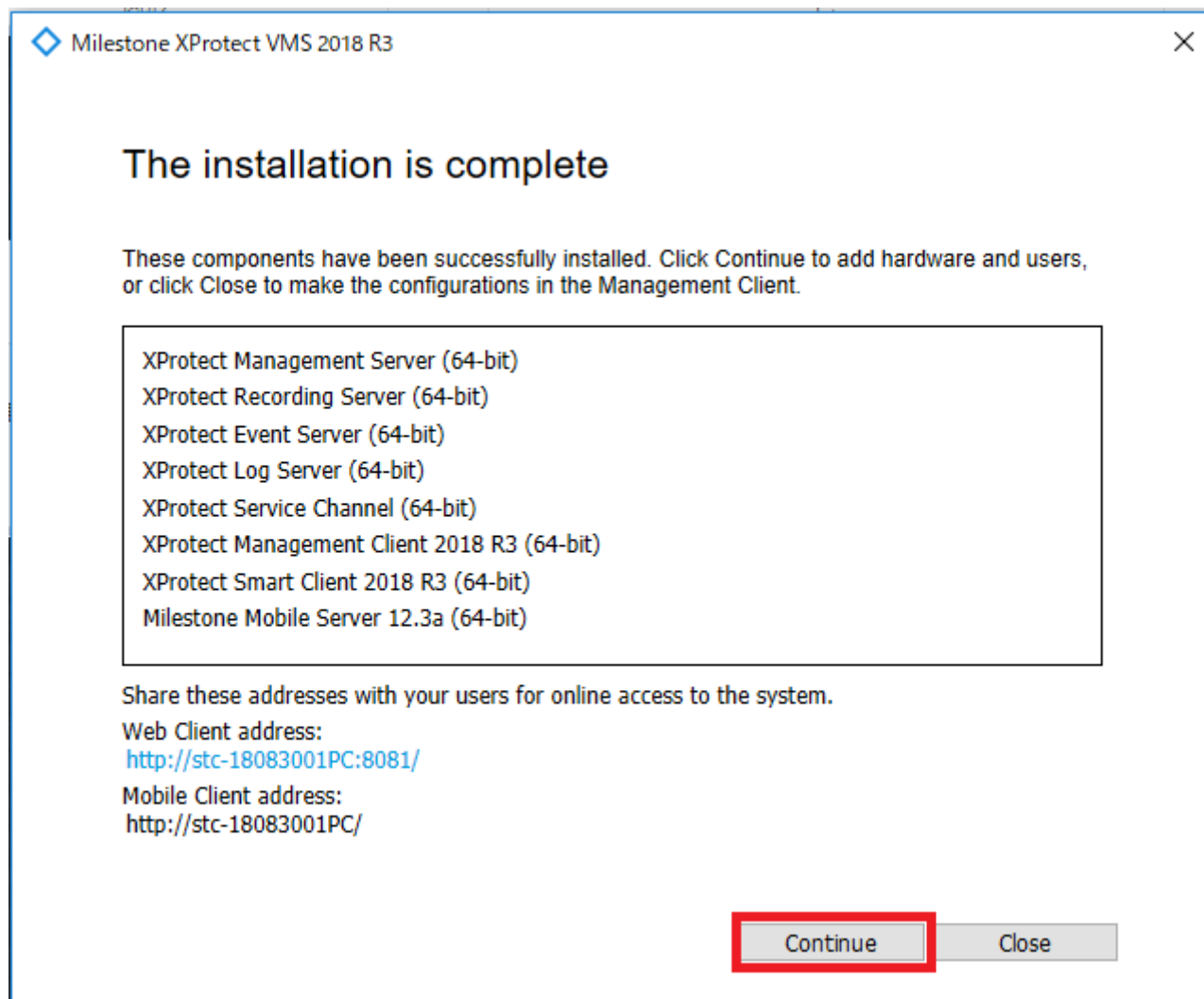


Installation restarts after rebooting.

When installation is over, you will be prompted to restart again so select Restart computer.

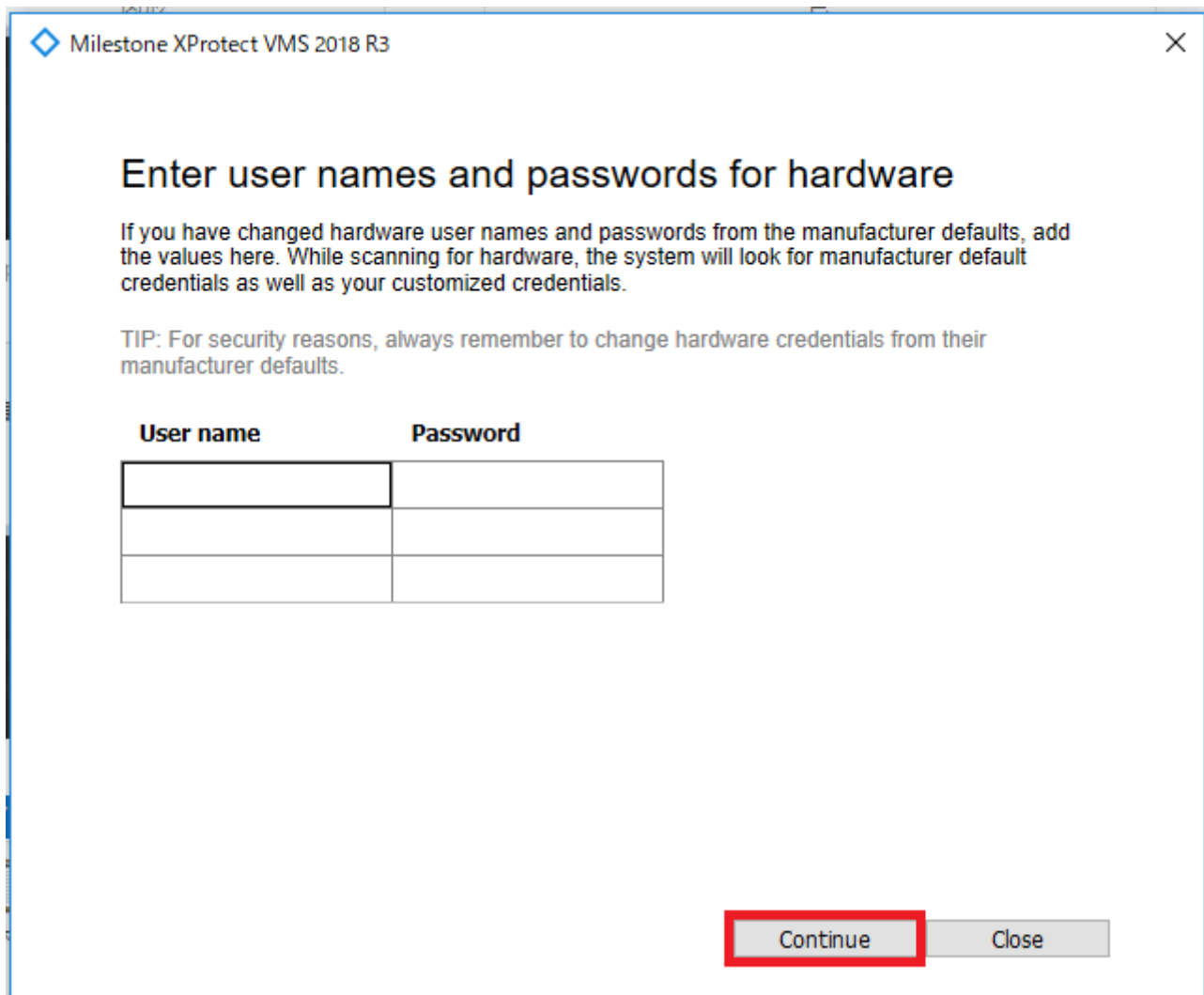
2.2.8 The installation is complete

Select Continue.



2.2.9 Enter user names and passwords for hardware

Leave blank and select Continue.



Milestone XProtect VMS 2018 R3

Enter user names and passwords for hardware

If you have changed hardware user names and passwords from the manufacturer defaults, add the values here. While scanning for hardware, the system will look for manufacturer default credentials as well as your customized credentials.

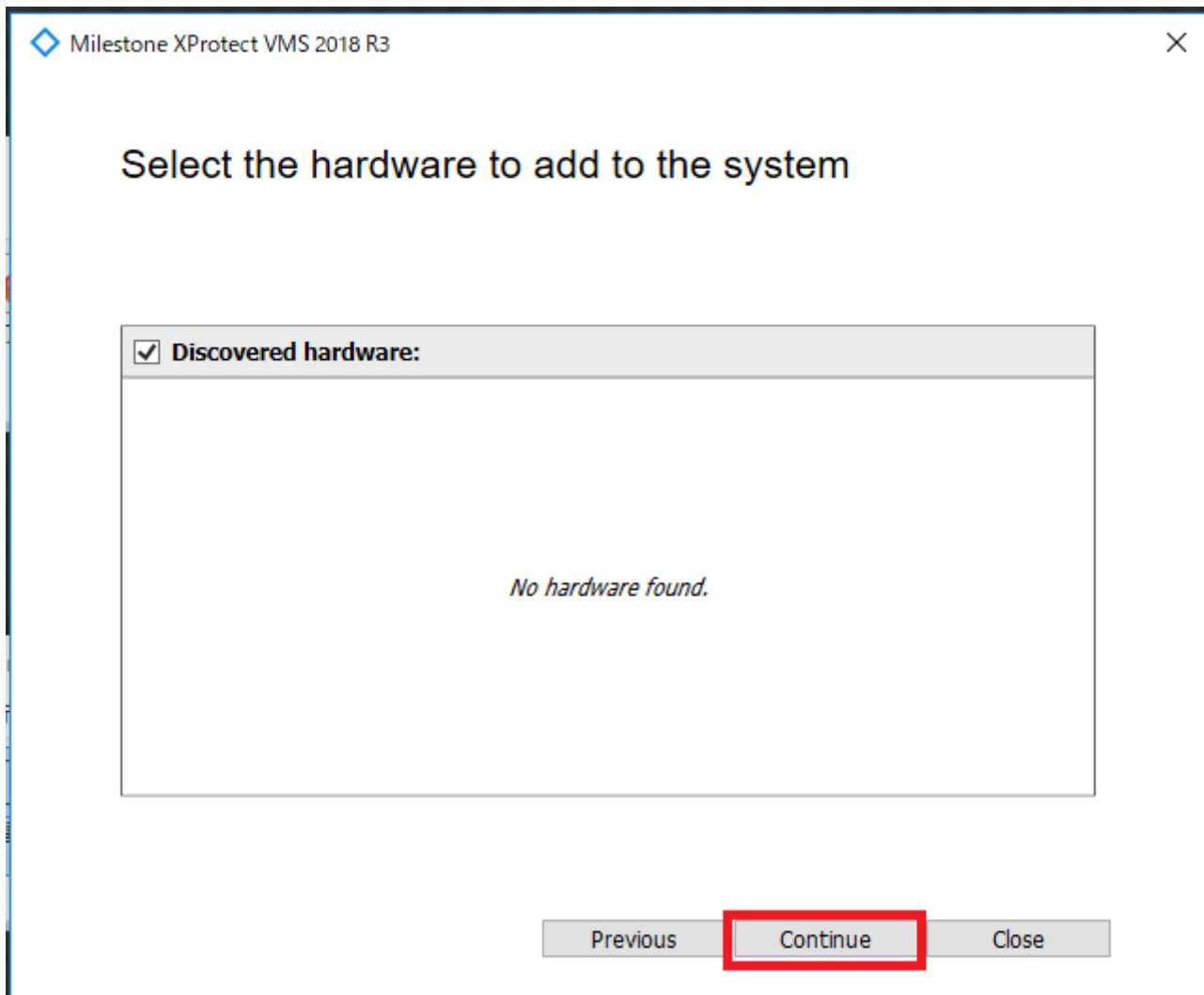
TIP: For security reasons, always remember to change hardware credentials from their manufacturer defaults.

User name	Password

Continue **Close**

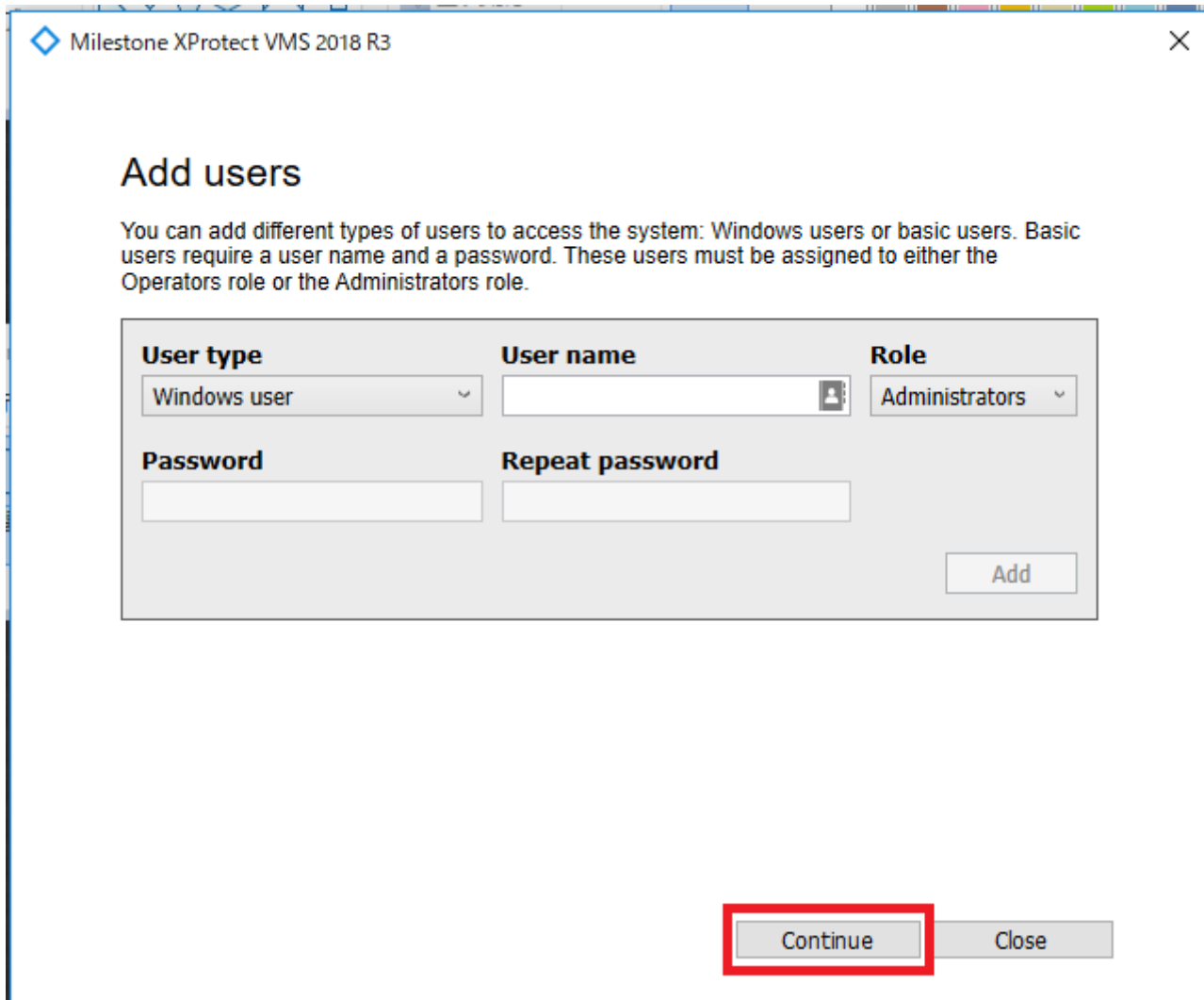
2.2.10 Select the hardware to add to the system

Select Continue.



2.2.11 Add users

Leave the default and select Continue.



Milestone XProtect VMS 2018 R3

Add users

You can add different types of users to access the system: Windows users or basic users. Basic users require a user name and a password. These users must be assigned to either the Operators role or the Administrators role.

User type	User name	Role
Windows user		Administrators

Password	Repeat password

Add

Continue Close

2.2.12 The configuration is complete
Select Close.



3 Register Media Gateway

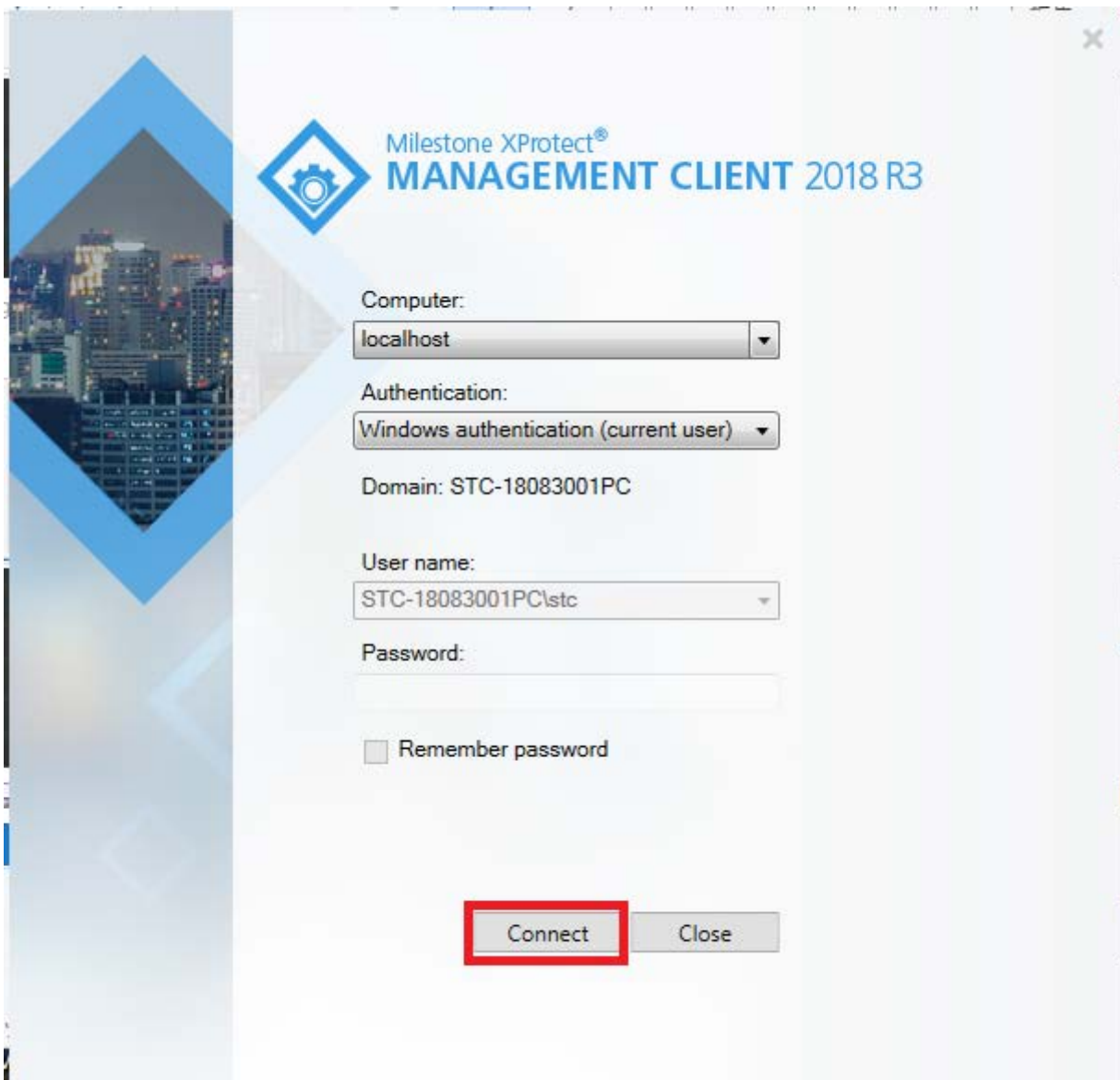
Register the Media Gateway to the Xprotect Management Client.

Note: Media Gateway must be activated for registration.

3.1 Start Xprotect Management Client

Click the shortcut Xprotect Management Client 2018 R3 created on the desktop to start the Xprotect Management Client.

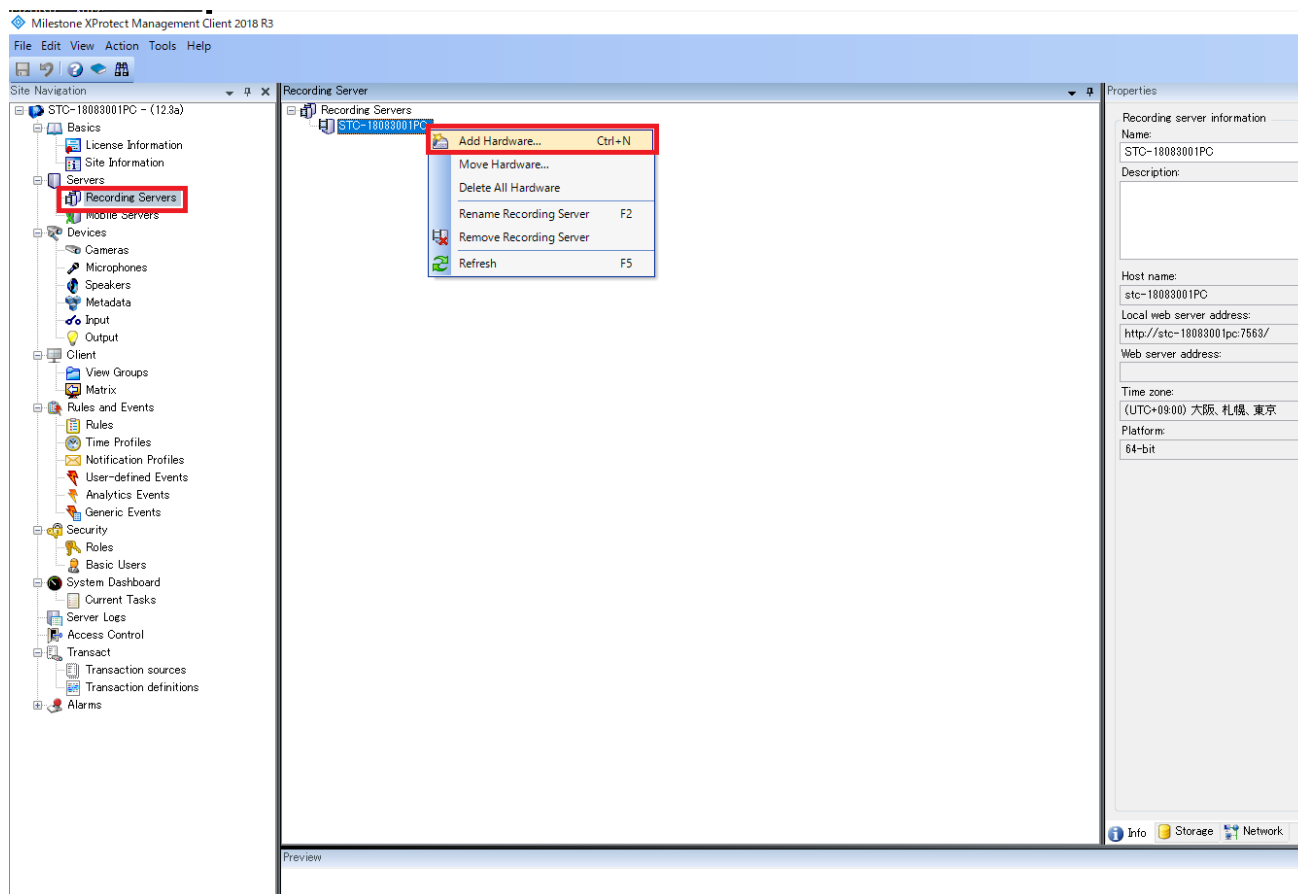
Select Connect after startup.



3.2 Add hardware

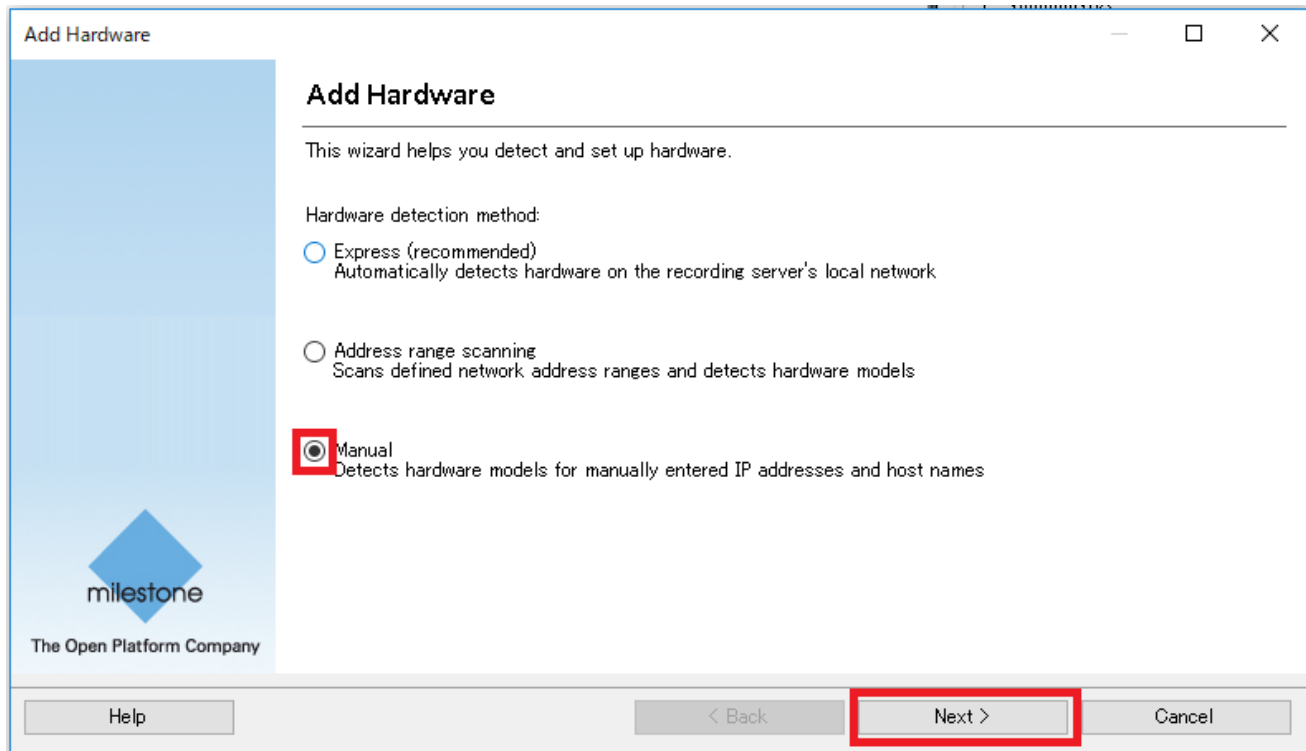
Select Site Navigation-> Servers-> Recording Servers.

Right-click Recording Server - > Recording Servers -> Server and select Add Hardware.



3.2.1 Additional method

Specify Manual and select Next>.



Add Hardware

This wizard helps you detect and set up hardware.

Hardware detection method:

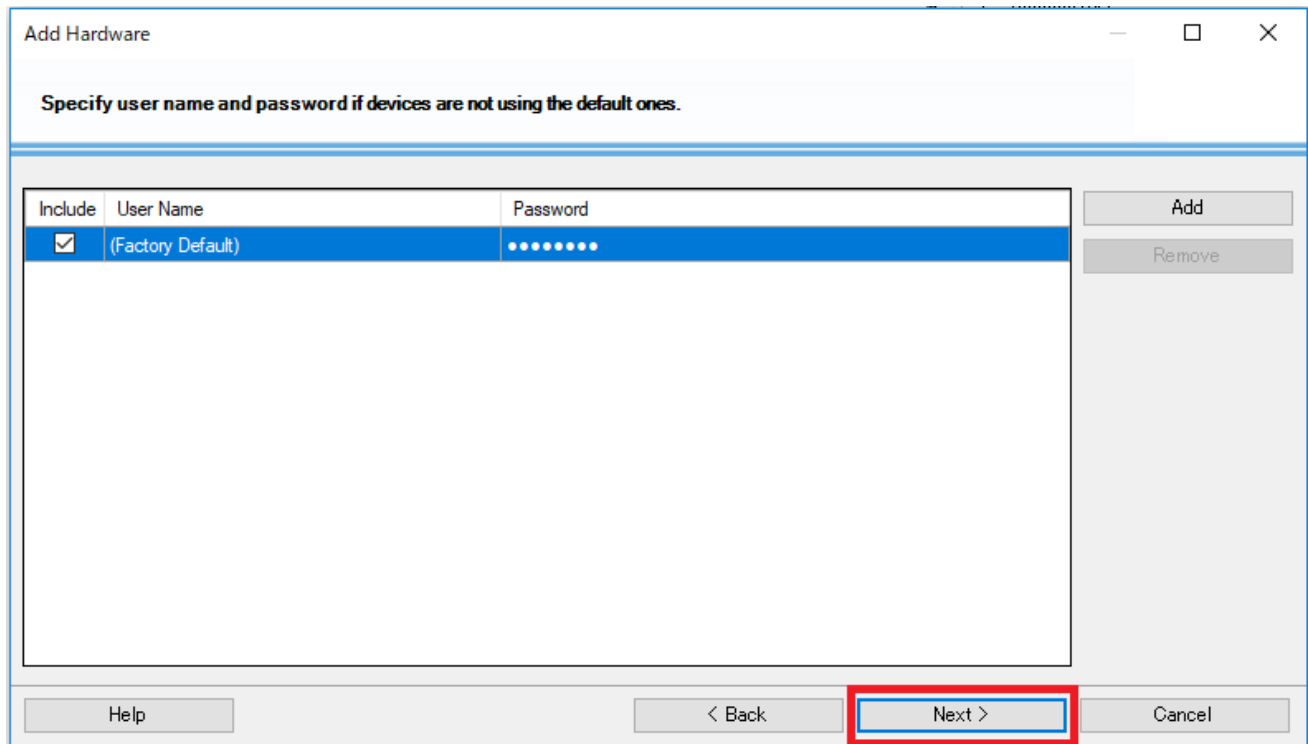
- ☐ Express (recommended)
Automatically detects hardware on the recording server's local network
- ☐ Address range scanning
Scans defined network address ranges and detects hardware models
- ☒ **Manual**
Detects hardware models for manually entered IP addresses and host names

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The Open Platform Company

Help < Back **Next >** Cancel

3.2.2 Specify user name and password

Leave the default and select Next>.



The screenshot shows a window titled "Add Hardware" with a close button (X) in the top right corner. Below the title bar, there is a text instruction: "Specify user name and password if devices are not using the default ones." Below this instruction is a table with three columns: "Include", "User Name", and "Password". The first row of the table is highlighted in blue and contains a checked checkbox, "(Factory Default)", and a password field represented by eight dots. To the right of the table are two buttons: "Add" and "Remove". At the bottom of the window, there are four buttons: "Help", "< Back", "Next >", and "Cancel". The "Next >" button is highlighted with a red rectangular box.

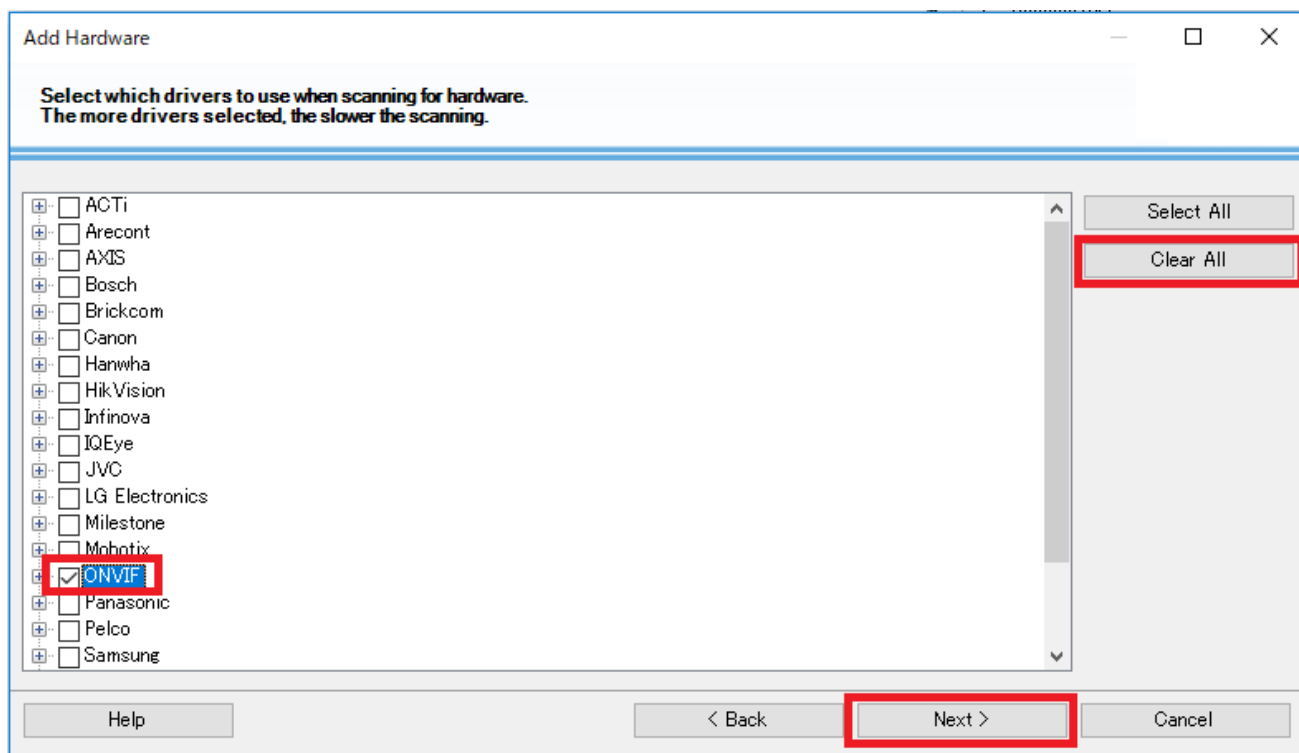
Include	User Name	Password
<input checked="" type="checkbox"/>	(Factory Default)	••••••••

Buttons: Add, Remove, Help, < Back, **Next >**, Cancel

3.2.3 Select driver

Since the default is checked for all the items and remove all of them (Clear All).

Check only ONVIF and select Next>.



3.2.4 Addition of hardware information

Enter the IP address of the PC running the Media Gateway in the Address field.

In the Port field, specify the port to receive.

Add Hardware

Enter information for hardware you want to add.
Optionally, select driver type to speed up detection.

Address	Port	Hardware model
13.115.125.187	40011	(Auto-detect)

Add Remove

Help < Back Next > Cancel

Note: Please specify 40011-40121 as the port.

Each port of 40011-40121 corresponds to the Endpoint Port to be set up in Zao Web Management by the following relationship.

20010→40011

20020→40021

20030→40031

20040→40041

20050→40051


...

Please refer to the Zao Web Management Manual for details about port.

If the registration is successful it will see a Success in Status. Select Next>.

Add Hardware

Wait while your hardware is being detected.
Once detection has completed, select which hardware to add.

 Stop

Detected hardware:

Add	Address	Port	Hardware model	Status
<input checked="" type="checkbox"/>	13.115.125.187	40011	Soliton System IP Camera (ONVIF)	<input checked="" type="checkbox"/> Success


☒ Show hardware running on other recording servers

Help < Back **Next >** Cancel

Continue to select the Next>.

Add Hardware

Wait while the system connects to each hardware and collects device specific information.
Successfully collected hardware will be added.

 Stop

Collected hardware information:

Address	Port	Hardware model	Status
13.115.125.187	40011	Soliton System IP Camera (ONVIF)	<input checked="" type="checkbox"/> Success

Help < Back **Next >** Cancel

3.2.5 Enable device

Check Hardware, Camera port 1, Microphone port 1, Speaker port 1 and select Next>.

Add Hardware

Hardware and cameras are enabled per default. Manually enable additional devices to be used.
The hardware and its devices will be assigned auto-generated names. Alternatively, enter names manually.

Hardware name template: Default Device name template: Default

Hardware to Add	Enabled	Name
Soliton System IP Camera - 13.115.125.187		
Hardware:	<input checked="" type="checkbox"/>	Soliton System IP Camera (13.115.125.187)
Camera port 1:	<input checked="" type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Camera 1
Microphone port 1:	<input checked="" type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Microphone 1
Speaker port 1:	<input checked="" type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Speaker 1
Metadata port 1:	<input type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Metadata 1
Input port 1:	<input type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Input 1
Input port 2:	<input type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Input 2
Input port 3:	<input type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Input 3
Input port 4:	<input type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Input 4
Input port 5:	<input type="checkbox"/>	Soliton System IP Camera (13.115.125.187) - Input 5

Help < Back Next > Cancel

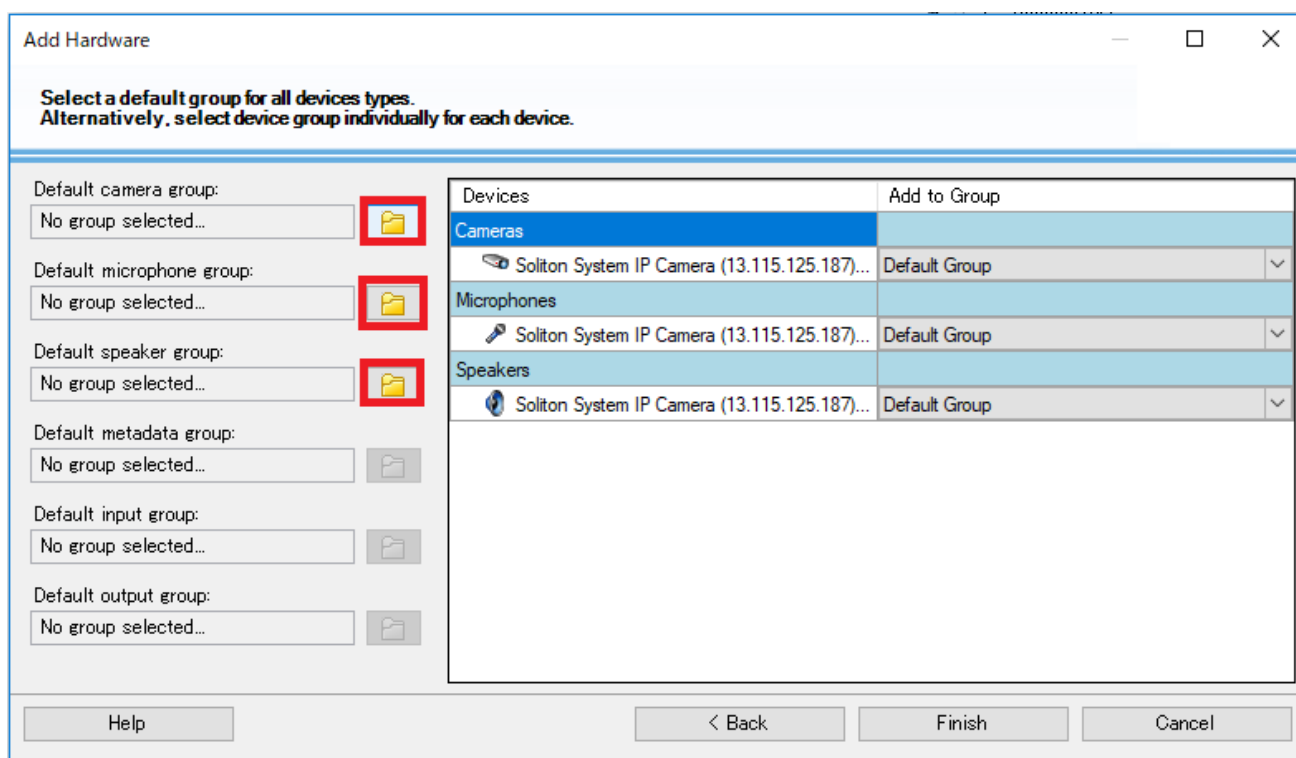
3.2.6 Select default group

Default camera group,

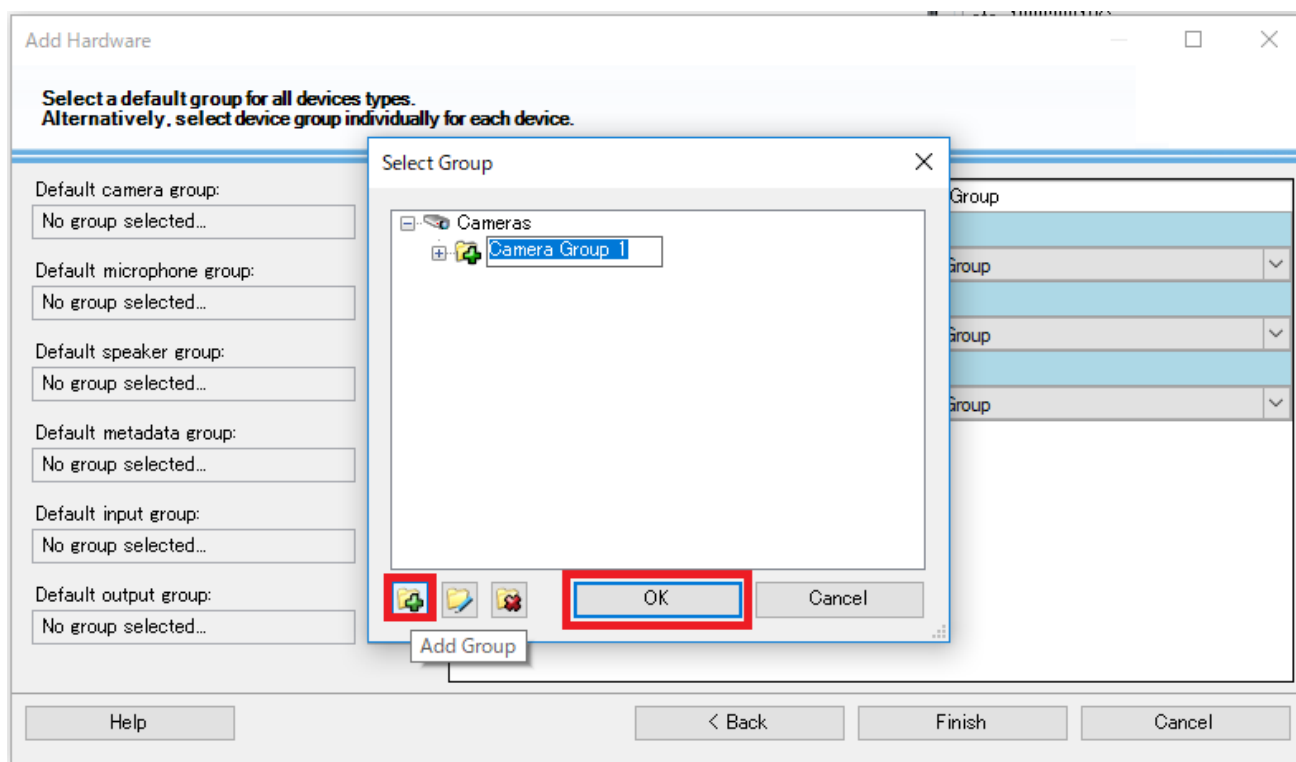
Default microphone group,

Default speaker group.

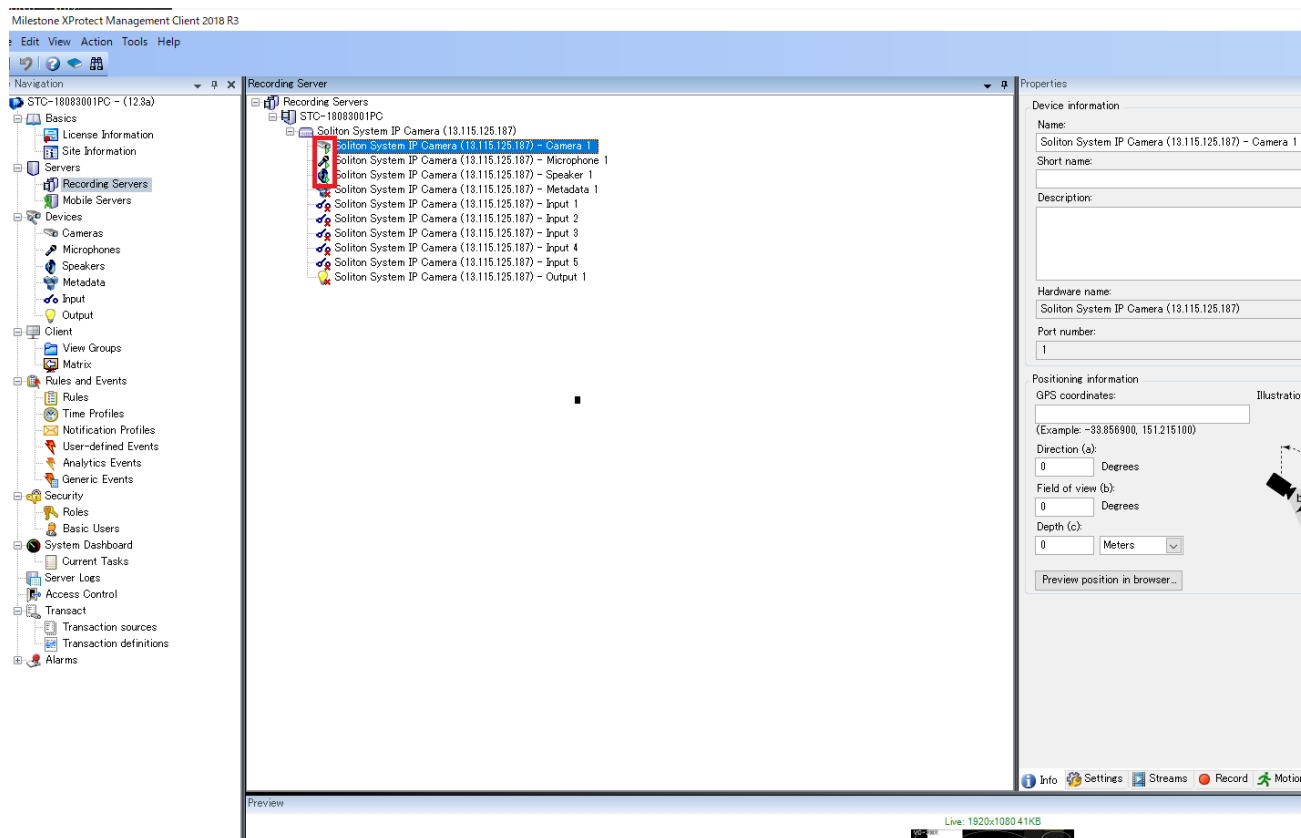
Create a group by selecting folder icons for each



Select Add Group and create a group, then choose OK. after creating groups to camera, microphone, speaker, select Finish.



When a green triangle mark is attached to the lower right of the icon, images are being received.

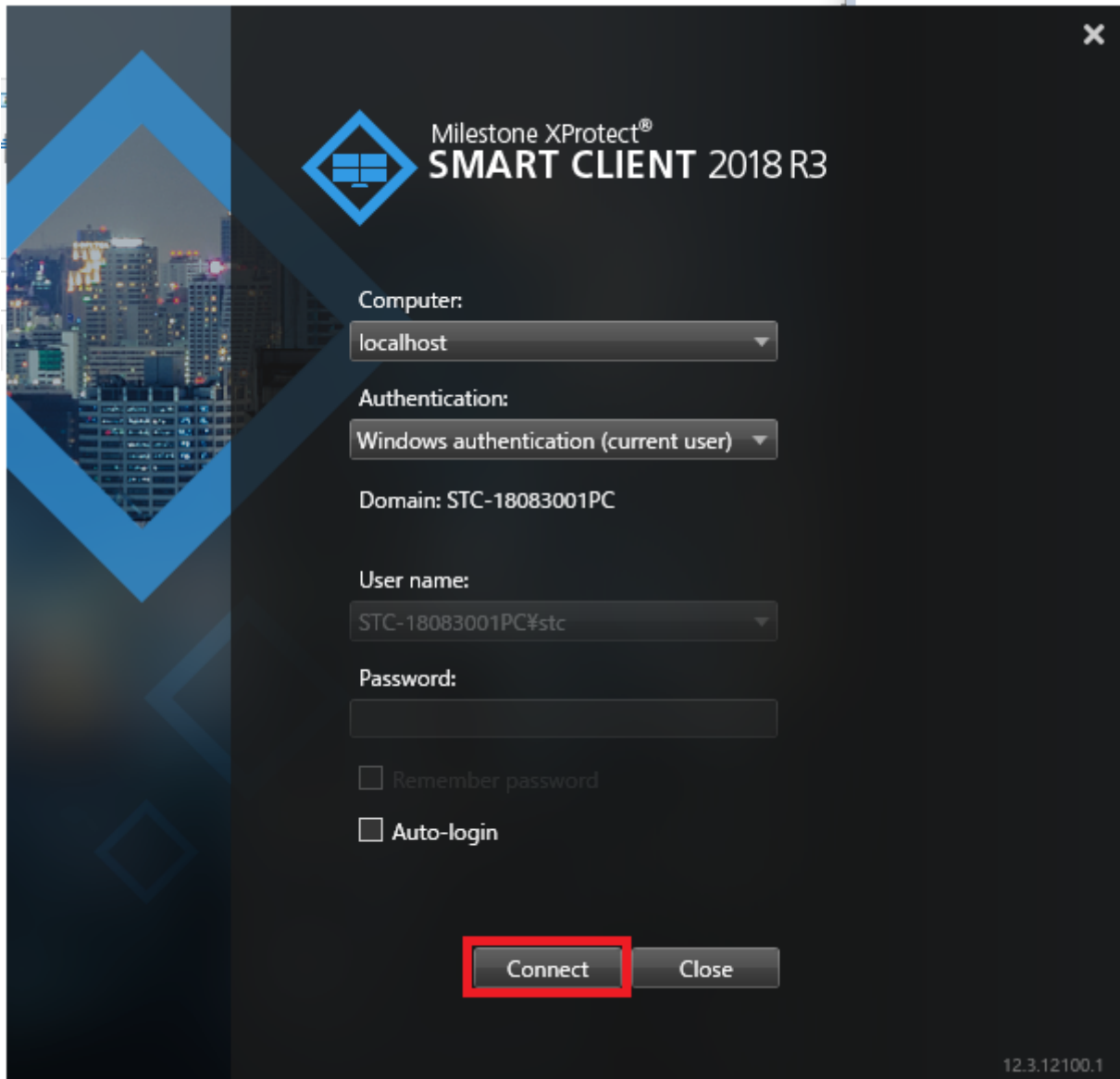


4 Four Viewing on Smart Client

We will watch the video of Media Gateway on Xprotect Smart Client.

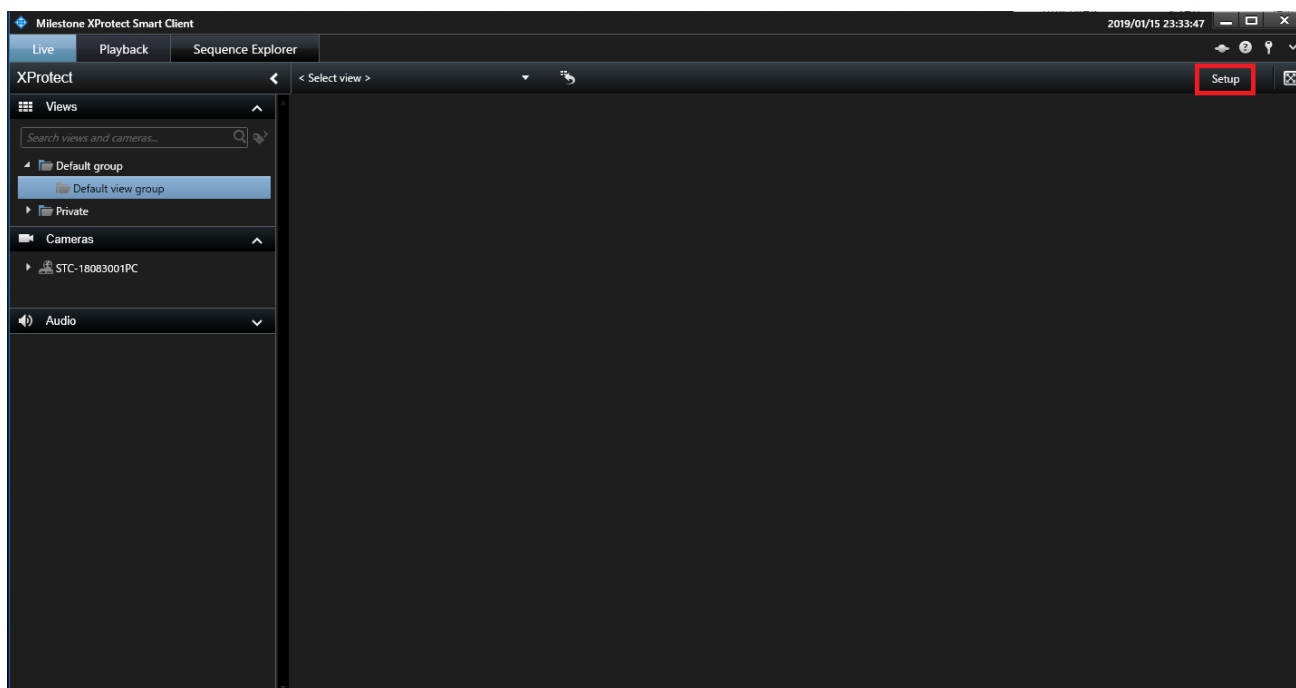
4.1 Start Smart Client

Click the shortcut Xprotect Smart Client R3 created on the desktop and start it. Select Connect after startup.

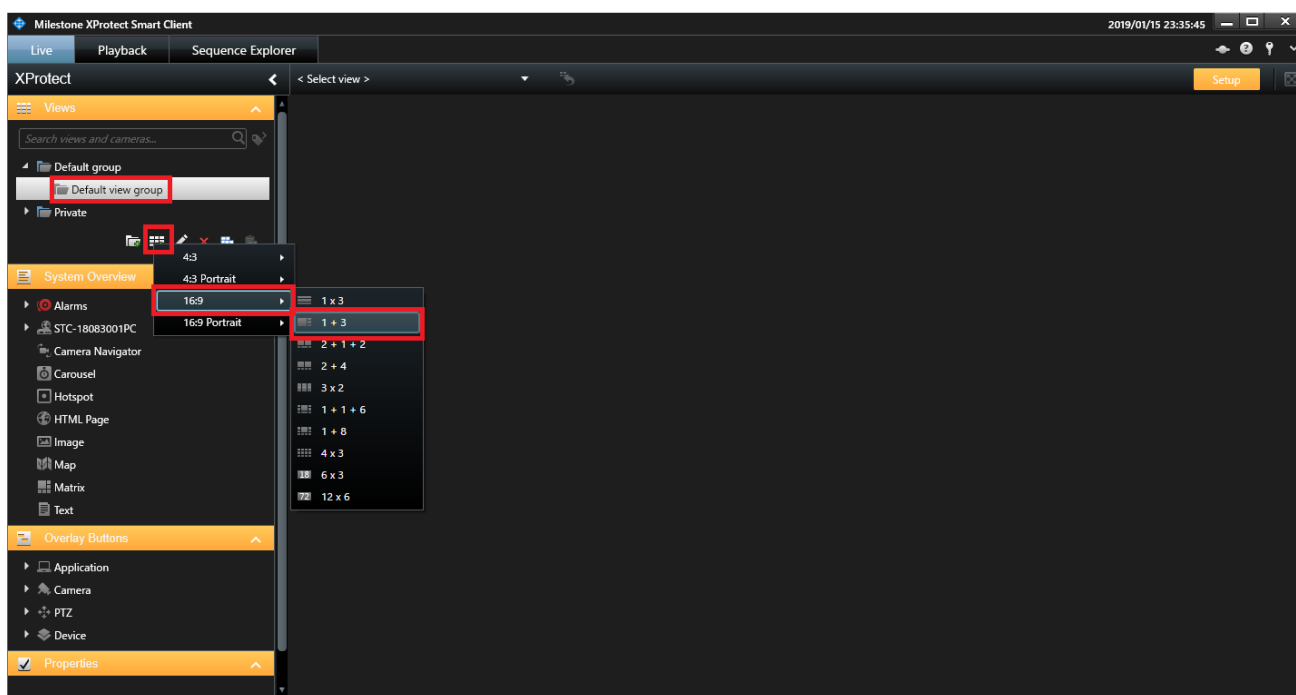


4.2 Add View

Select Setup and add View.



Select Views -> Default group -> Default view group -> Add View -> 16:9 -> 1+3 and select Setup to complete adding the View.



4.3 Arrange the Camera

If you drag and drop the Cameras-> Server-> Camera Group 1->camera onto View, video will be displayed.

