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System Configuration, BioStar 2, Milestone

How to utilize BioStar 2 integrating with Milestone

The summary of Procedure

- 1. Install BioStar 2.
- 2. Install one of Milestone XProtect VMS (with professional license or higher).
- 3. Install BioStar 2 Integration for Milestone XProject.
 - AC Plugin for BioStar2
 - 😰 WorkspacePluginforBioStar2
- 4. Add IP Camera in Milestone XProtect VMS.
- 5. Create new Access Control to connect Milestone to BioStar 2.
- 6. Utilize XProtect Smart Client.

Before you integrate Milestone with BioStar 2, check the Prerequisites below.

Prerequisites

- Must install the one of Milestone XProtect VMS.
 - XProtect Professional 2017 R2
 - XProtect Professional+ 2017 R2
 - XProtect Expert 2017 R2
 - XProtect Corporate 2017 R2
- Must install BioStar 2.4.1 or higher version.
- Must have a Milestone license for XProtect Professional or higer version.
- XProtect VMS and BioStar 2 must be installed first.
- All access control configuration settings of BioStar 2 must be completed.
- System requrements
 - CPU: 4GHz Quad Core
 - RAM: Minimum 10 GB
 - Hard disk space: Minimum 1 TB free hard disk space available
 - Operating system:

Microsoft® Windows® 10 Pro (64 bit)* Microsoft Windows 10 Enterprise (64 bit)* Microsoft Windows 8.1 Pro (64-bit) Microsoft Windows 8 Enterprise (64-bit) Microsoft Windows 8 Pro (64-bit) Microsoft Windows 7 Ultimate (64-bit) Microsoft Windows 7 Enterprise (64-bit) Microsoft Windows 7 Professional (64-bit) Microsoft Windows 2008 R2 (64bit): Standard

Other: Microsoft .NET 4.5.1 Framework

Step 1: Install BioStar 2

Refer to the below link if you do not know how to install BioStar 2. BioStar 2 Installation

If you use port number 443 and 9000 for BioStar 2, you should change it into other numbers. This is because the port number for BioStar 2 will have collided with the port number used when XProtect Management Client 2017 R3 is installed. When you set the port number 443 and 9000 for BioStar 2 and then try to install XProtect Management Client 2017 R3, you will get the below error.

When you set the port number 443 for BioStar 2 and then try to install XProtect Management Client 2017 R3, you will get the below error.

XProtect Professional + 2017 R3 Test

A system error has occurred

A system error has occurred during installation. Open the log file for details.

Error details: The IIS uses port 443, but this port is also used by the process "Idle" on this computer.

To continue the installation, you must first close the other application or change the port of the other application.

You can use the command-line tool netstat to identify the application if in doubt."

Therefore we recommend that you change the port number for HTTPS on BioStar 2 and 9000 port to avoid port conflict issues. Also, even if you changed HTTPS port for BioStar 2, the icon and configuration file do not be changed automatically. So, please update manually the icon and 'server_url.conf' file to the port number for BioStar 2's HTTPS.



Step 2: Install one of Milestone XProtect VMS (with professional license or higher)

You can download the installation file of Milestone XProtect VMS in the below link.

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

While you install the application, it is required to activate Milestone's license.

)

Step 3: Install BioStar 2 Integration for Milestone XProject

You should install two installation files below.

Please click the link to download the installation files.

(https://www.supremainc.com/en/solutions/suprema-integration-milestone.asp?sKIND TYPE=GD01501

- AC Plugin for BioStar2
- WorkspacePluginforBioStar2
- AC Plugin for BioStar2.exe is used to connect the access control system and XProtect VMS.
- WorkspacePluginforBioStar2.exe provides the functionality for using BioStar 2 in the XProtect Smart Client.

You can refer to BioStar2 Integration for Milestone XProtect Setup Guide to install them.

After succeeding in installation of two applications, start the Milestone XProtect Event Server manually. You can find it in the system tray and right-click on the below icon.



Step 4: Add IP Camera in Milestone XProtect VMS

When you run XProtect Management Client 2017 R3 and connect to your PC, you can see the below screen.

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Prepare IP camera. Go to Servers > Recording Servers. Right click one of Recording Servers and select Add Hardware.



Select Express (recommended) and then click Next button.

Add Hardware		_		×
	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 			
	O Manual Detects hardware models for manually entered IP addresses and host names			
milestone				
The Open Platform Company				
Help	< Back Next >	Can	cel	

Add new user and enter User Name & Password for IP camera. Then, click Next button.

Add Hard	ware				- 0	×
Speci	fy user name and password if devices are not using the defa	ult ones.				
						_
Include	User Name	Password			Add	
	(Factory Default)	•••••			Bernove	
	root	•••••			Tientove	
	1	•••••				
	Help		< Back	Next >	Cancel	

If you enter the information correctly, available camera will be found. To add IP camera, click **Next** button.

Add Hardware				- 0	×
Wait while the system connects to each hardware Successfully collected hardware will be added.	and collects device specific inf	ormation.			
Collected bardware information:				Stop	
Address	Port	Hardware model		Status	
192.168.14.200	80	Axis 214/215		Success	
Help		< Back	Next >	Cancel	

Click Next button.

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: V Default		~		
Hardware to Add	Enabled	Name				
Axis 215 Camera - 192.168.14.200						
Hardware:		Axis 215 Camera (192.168.14.200)				
Camera port 1:		Axis 215 Camera (192.168.14.200) - Camera 1				
P Microphone port 1:		Axis 215 Camera (192.168.14.200) - Microphone 1				
Ø Speaker port 1:		Axis 215 Camera (192.168.14.200) - Speaker 1				
d'o Input port 1:		Axis 215 Camera (192.168.14.200) - Input 1				
Cutput port 1:		Avis 215 Camera (192.168.14.200) - Output 1				
Help		< Back Next > 0	Cancel			

Click folder icon and select one default camera group. Then, click **Finish** button.

Add Hardware				_		×
Select a default group for all devices types. Alternatively, select device group individua	ally for each devi	De.				
Default camera group:	_	Devices	Add to Group			
No group selected	2	Cameras				
Default microphone group'	_	Axis 215 Camera (192.168.14.200) - Camera 1	Default Group			~
No group selected,	2					
Default speaker group:						
No group selected,	2					
Default metadata group:						
No group selected,	2					
Default input group:						
No group selected,	2					
Default output group:						
No group selected,	2					
Help		< Back	Finish	Can	cel	
						_

If you succeed in add IP camera, you can see your camera in the Recording Servers's tree.



Step 5: Create new Access Control to connect Milestone to BioStar 2

Right click Access Control and select Create new.



Enter all items.

- Name: Enter name of Access Control you want to use
- Integration plug-in: Select BioStar2 Server
- Address: Enter URL for access to BioStar 2 (including port number)
- User: Login ID for BioStar 2
- Password: Password for BioStar 2

Name the access contr	ol system integration, select the integration plug-in and enter the connection details.
lame:	BioStar 2
ntegration plug-in:	BioStar2 Server
Address:	https://192.168.14.17:456/
Jser:	admin
assword:	•••••
Jse HTTP encryption:	

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😭 BioStar Setting				
Service Status				
The	Core Web Server service	Running	Stop	
B52 The	BioStar 2 service has be	Running	Stop	
T&A The	T&A Web Server servic	e has been started.	Running	Stop
The	Video Server service ha	s been started.	Running	Stop
DB Type Host	Maria DB	Port 33	12	_
Host	127.0.0.1	Port 33	12	
	Database Name	Database User	Database Passy	word
AC	biostar2_ac	biostar2_ac_user	*****	(***
ТА	biostar_tna	biostartnauser	*******	****
Video	biostar_ve	biostarveuser	********	****
	Test Connection	Sav	e	

If you fail to connect to the access control system (BioStar 2 AC), you will get the below error. Please check if all settings are correct.

Connecting to the	e access control syst	em		
Collecting configuration d	ata			
Unable to receive configur	ration from the access control	system. Error message: E	rror fetching configuration.	

If you succeed in connection to the access control system (BioStar 2 AC), you can see below picture.

ollecting configuration data	from access control	system.	•	
Added:		-,		
Doors (1)				-
Units (4)				-
Servers (1)				-
Events (178)				•
Commands (6)				•
States (7)				•

If BioStar 2 connected to Milestone successfully, the below screen will appear.

After selecting IP camera you will use in the right panel, **drag the cameras to the access points** for each door in the left list.

Create Access Control System Integration	
Associate cameras	
Drag cameras to the access points for each do Client when access control events related to or	or in the list. The associated cameras are used in the XProtect Smart ne of the door's access points are triggered.
Doors:	Cameras:
All doors *	DESKTOP-62NLDSH
	Default camera group Avir 215 Camera (102 168 14 200) - Camera 1
Name Enabled License	••• Axis 215 Camera (192.100.14.200) - Camera 1
test door 🗹 Pending	
Access point: (입실 장치) BioStation A2 54	1531003
Drop camera here to associate it with the a	ccess poin
<	> ()
	Previous Next Cancel

If you succeeded in integrate Milestone with BioStar2 with IP camera, you can see below picture.

Create Access Control System Integration	
You have successfully completed the access control system integration	
Your XProtect Smart Client users can now monitor access control events. See the help system for how to optimize the XProtect Smart Client for access control system integration.	
You can edit the integration settings in the access control system properties, if you, for example, update the access control system.	
Clos	se

Once you succeed in integration between BioStar 2 and Milestone, you can add/edit the access control properties at any time.

To manage them, you need to select one of Access Control.

At the bottom, there are 5 tabs you can configure.

Allesters VB-start Management (East 2017 D2				_	×
Whitestone AProtect Management Client 2017 KS					^
File Edit View Action Tools Help					
🖶 🦻 🕝 🗢 🛍					
Site Navigation 🗸 🕂 🗙	Access Control 🚽 🗸	Access Control Information			₩ ₽
DESKTOP-62NLDSH - (11,3a)	E - E Access Control				
🖶 🛄 Basics	BioStar 2	General settings			
License Information		Enable:	7		
III Site Information		Name'			
🖨 🔲 Servers		Deservetion (
1 Recording Servers		Description.			
Mobile Servers					
B a Devices					
- Table Cameras					
Snoskarr					
Metadata		Integration plug-in:	BioStar2 Server (Version: 1.0, 1.0)		
		Last configuration refresh:	12/4/2017 6:16 PM		
- Output			Refresh Configuration		
Client					
Par View Groups		Address:	https://192.168.14.17:456/		
Smart Client Profiles		User:	admin		
- California Matrix		Password:	••••••		
Rules and Events		Event polling period (ms):	250		
- 📋 Rules		Use new captured image:	✓		
Time Profiles		Use HTTP encryption:			
Notification Profiles					
- Viser-defined Events					
Analytics Events					
Generic Events					
Balas					
Pagis Ligara					
Sustam Dashhnard					
Current Tasks					
Configuration Reports					
Server Logs					
System Log					
Audit Log					
Rule Log					
- R- Access Control					
CTEL Transact					
-E Transaction sources					
Transaction definitions					
🕀 🍠 Alarms					
		🚜 General Settings 👒 Do	ors and Associated Cameras 🍢 Access Control Events 🕡 Access Request Notifications 👤 Cardholders		
					_

- General Settings: You can update the access control system name, network settings and login information.
- Doors and Associated Cameras: You can associate the cameras with access points.
- Access Control Events: You can activate or deactivate the access control event from BioStar 2, also create and assign the user-defined categories.
- Access Request Notifications: You can create an access control action or command which is performed by the operator on the associated access points. For example, when a card holder requests the door open, XProtect display a notification and then operator sending a door open command.
- Cardholders: You can view or search the cardholder information. The cardholder information is synchronized with user information of BioStar 2. In BioStar 2, user information includes user name, access group, RFID card number, fingerprint template, face template and PIN.

Major Features

Feature 1: Access Control Events

This function is used for classifying Access Control Events into certain Event Category. In general, there are a variety of different events in each access control system. To manage them efficiently in Milestone, you should map all access control events to certain Event Category.

Access Cor	trol Information		•
Acces	s control events		
Select the	events you want to monitor in XProtect Smart Client. Use categories to simpli	u the use of triangering events	
Object and	referre you want to monitor in 74 rotect on art crient, ose categories to ampir	y de de or diggening evente,	
Enabled	Access Control Event	Source Type	Event Category
~	1:1 인증 성공 (ID + PIN)	Access Point	Access granted, Access Point
~	1:1 인증 성공 (ID + 얼굴 + PIN)	Access Point	Access granted, Access Point 🗸 🗸 🗸
✓	1:1 인증 성공 (ID + 얼굴)	Access Point	All categories
✓	1:1 인증 성공 (ID + 지문 + PIN)	Access Point	Access denied
✓	1:1 인증 성공 (ID + 지문)	Access Point	
✓	1:1 인증 성공 (액세스온카드 + PIN)	Access Point	✓ Access granted
✓	1:1 인증 성공 (액세스온카드 + 지문 + PIN)	Access Point	Access Point
✓	1:1 인증 성공 (액세스온카드 + 지문)	Access Point	
✓	1:1 인증 성공 (액세스온카드)	Access Point	
✓	1:1 인증 성공 (카드 + PIN)	Access Point	Alarm
✓	1:1 인증 성공 (카드 + 얼굴 + PIN)	Access Point	Device Related
✓	1:1 인증 성공 (카드 + 얼굴)	Access Point	
✓	1:1 인증 성공 (카드 + 지문 + PIN)	Access Point	└─ Door Related
✓	1:1 인증 성공 (카드 + 지문)	Access Point	Error
✓	1:1 인증 성공 (카드)	Access Point	
✓	1:1 인증 실패 (ID)	Access Point	
✓	1:1 인증 실패 (PIN)	Access Point	Test Event Category
✓	1:1 인증 실패 (액세스온카드 + PIN)	Access Point	□
✓	1:1 인증 실패 (액세스온카드 + 지문)	Access Point	Access denied, Access Point, Access request
✓	1:1 인증 실패 (얼굴)	Access Point	Access denied, Access Point, Access request
✓	1:1 인증 실패 (지문)	Access Point	Access denied, Access Point, Access request v
✓	1:1 인증 실패 (카드)	Access Point	Access denied, Access Point, Access request
✓	1:1 협박 지문 인증 (ID + PIN)	Access Point	Access granted, Access Point, Alarm, Warning v
✓	1:1 협박 지문 인증 (ID + 얼굴 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning 🛛 🗸 🗸
✓	1:1 협박 지문 인증 (ID + 얼굴)	Access Point	Access granted, Access Point, Alarm, Warning 🗸 🗸
✓	1:1 협박 지문 인증 (ID + 지문 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning v
✓	1:1 협박 지문 인증 (ID + 지문)	Access Point	Access granted, Access Point, Alarm, Warning 🛛 🗸 🗸
✓	1:1 협박 지문 인증 (액세스온카드 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning v
✓	1:1 협박 지문 민중 (액세스온카드 + 지문 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning 🛛 🗸
✓	1:1 협박 지문 인증 (액세스온카드 + 지문)	Access Point	Access granted, Access Point, Alarm, Warning Y
v	1:1 협박 지문 인증 (액세스온카드)	Access Point	Access granted, Access Point, Alarm, Warning v
✓	1:1 협박 지문 인증 (카드 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning v
v	1:1 협박 지문 인증 (카드 + 얼굴 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning
✓	1:1 협박 지문 인증 (카드 + 얼굴)	Access Point	Access granted, Access Point, Alarm, Warning
v	1:1 협박 지문 인증 (카드 + 지문 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning v
✓	1:1 협박 지문 인증 (카드 + 지문)	Access Point	Access granted, Access Point, Alarm, Warning v
-	1:1 협박 지문 인증 (카드)	Access Point	Access granted, Access Point, Alarm, Warning 🛛 🗸 🗸

User-defined Categories...

🍘 General Settings 👒 Doors and Associated Cameras 🍖 Access Control Events 🤴 Access Request Notifications 🤰 Cardholders

If you want to create customized Event Category, you can make it by clicking **User-defined Categories** button.

Access Control 🚽 🗸	Access Control Information		• 4
Access Control BioStar 2	Access control events		
Dioona c	Access control events		
	Select the events you want to monitor in XProtect Smart Client, I	ise categories to simplify the use of triggering events,	
	Enabled Access Control Event	Source Type	Event Category
	✓ 1:1 인증 실패 (D)	Access Point	Access denied, Access Point, Access request 🔹 🗠
	✓ 1:1 인증 실패 (PIN)	Access Point	Access denied, Access Point, Access request
	✓ 1:1 인증 실패 (액세스온카드 + PIN)	Access Point	Access denied, Access Point, Access request v
	I:1 인증 실패 (액세스온카드 + 지문)	Access Point	Access denied, Access Point, Access request v
	✓ 1:1 인증 실패 (얼굴)	Access Point	Access denied, Access Point, Access request *
	✓ 1:1 인증 실패 (지문)	er-defined Categories X	Access denied, Access Point, Access request
	✓ 1:1 인증 실패 (카드)		Access denied, Access Point, Access request v
	✓ 1:1 협박 지문 인증 (ID + PIN) Nar	Add Add	Access granted, Access Point, Alarm, Warning 🛛 👻
	✓ 1:1 협박 지문 인증 (ID + 얼굴 + PIN) Test	Event Category Remove	Access granted, Access Point, Alarm, Warning Y
	✓ 1:1 협박 지문 인증 (ID + 열률)		Access granted, Access Point, Alarm, Warning
	✓ 1:1 협박 지문 인증 (ID + 지문 + PIN)		Access granted, Access Point, Alarm, Warning
	✓ 1:1 협박 지문 인증 (ID + 지문)		Access granted, Access Point, Alarm, Warning Y
	✓ 1:1 협박 지문 인증 (액세스온카드 + PIN)		Access granted, Access Point, Alarm, Warning 🛛 👻
	✓ 1:1 협박 지문 인증 (액세스온카드 + 지문 + PIN)		Access granted, Access Point, Alarm, Warning 🗸 🗸
	I:1 협박 지문 인증 (액세스온카드 + 지문)		Access granted, Access Point, Alarm, Warning 🛛 🗸
	I:1 협박 지문 인증 (액세스온카드)		Access granted, Access Point, Alarm, Warning Y
	✓ 1:1 협박 지문 인증 (카드 + PIN)		Access granted, Access Point, Alarm, Warning v
	✓ 1:1 협박 지문 인증 (카드 + 열률 + PIN)	OK Cancel	Access granted, Access Point, Alarm, Warning 🛛 👻
	✓ 1:1 협박 지문 인증 (카드 + 얼굴)		Access granted, Access Point, Alarm, Warning 🗸 🗸
	✓ 1:1 협박 지문 인증 (카드 + 지문 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning 🗸 🗸
	✓ 1:1 협박 지문 인증 (카드 + 지문)	Access Point	Access granted, Access Point, Alarm, Warning v
	☑ 1:1 협박 지문 인증 (카드)	Access Point	Access granted, Access Point, Alarm, Warning Y
	✓ 1:N 인증 성공 (얼굴 + PIN)	Access Point	Access granted, Access Point v
	✓ 1:N 인증 성공 (얼굴)	Access Point	Access granted, Access Point
	✓ 1:N 인증 성공 (지문 + PIN)	Access Point	Access granted, Access Point v
	✓ 1:N 인증 성공 (지문)	Access Point	Access granted, Access Point Y
	✓ 1:N 인증 실패 (PIN)	Access Point	Access denied, Access Point, Access request
	✓ 1:N 인증 실패 (액세스온카드 + PIN)	Access Point	Access denied, Access Point, Access request v
	✓ 1:N 인증 실패 (액세스온카드 + 지문)	Access Point	Access denied, Access Point, Access request ~
	✓ 1:N 인증 실패 (얼굴)	Access Point	Access denied, Access Point, Access request v
	✓ 1:N 인증 실패 (지문)	Access Point	Access denied, Access Point, Access request v
	✓ 1:N 협박 지문 인증 성공 (얼굴 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning v
	✓ 1:N 협박 지문 인증 성공 (얼굴)	Access Point	Access granted, Access Point, Alarm, Warning
	✓ 1:N 협박 지문 인증 성공 (지문 + PIN)	Access Point	Access granted, Access Point, Alarm, Warning 🗸 🗸
	✓ 1:N 협박 지문 인증 성공 (지문)	Access Point	Access granted, Access Point, Alarm, Warning 🛛 👻
	✓ AC Power 성공		¥
	✓ AC Power 실패	BioStar2 Terminal	Alarm, Device Related 🔹 🗸 🗸
	User-defined Categories		
	👸 General Settings 🧠 Doors and Associated Cameras 🍖 A	ccess Control Events 🤴 Access Request Notifications 🤱	Cardholders

Feature 2: Cardholders

The user who is enrolled in BioStar 2 is synchronized with the cardholder in Milestone.

List of all Users

BioStar 2:

BioStar	2 ③	Setting 🕧 About	() Help									Administrator
DASH BOARD	<u>م</u> ک	DD USER	All u	Jsers					/1 F [50 rows 🔻		- Go
8	User	Status										•••
USER	🚊 All Users	6		ID	Name	Email	Group	Access Group	8	•		Status
DEVICE				1	Administrator	-	All Users	AG3	0	0	0	
•				2	hailey		All Users	AG3	1	0	1	
DOOR				3	kate		All Users	AG3	1	0	0	
₽				4	tim		All Users	AG3	1	0	0	
ELEVATOR				5	уј		All Users	AG3	1	0	0	
0				6	ethan		All Users	AG3	1	0	0	
ZONE												
÷												

Milestone:

Access Control -	a Access Control Information		
Access Control	Cardholders		
	Search for cardholders to view Search cardholder	v a picture of the cardholder. The cardholder p	picture is used in the XProtect Smart Client, when an access control event has been registered,
	Nama	Tupe	
	Administrator	AG3	
	athon	463	
	halley	463	
	kato	A63	
	tim	AG2	
	um	AG2	
	99	AG3	
	👸 General Settings 👒 Doors	s and Associated Cameras 🍖 Access Cor	ntrol Events 🤴 Access Request Notifications 👖 Cardholders
	_		

User Details

BioStar 2:

✓ kate						3/6 4 +
Information						
	• Name	kate	• Email			
	• ID		Telephone			
	• Group	All Users	v • Status	C Active		
	Period	2001/01/01 00:00 ~ 2030/12/31 23:59				
	Operator Level	User	* Access Group	A63		Ŧ
	+ Login ID	kate				
	+ Password					
Credential						
• 🖾 PIN	•••••					
Auth Mode	Device Default					
Credential	+ Fingerprint 🛞	+ Face 🐵 + Card 🖬				
1:1 Security Level	•	Device Default				
	Туре	Card Data Format	5	ummany	•	and History
	Fingerprint			1	/1	
					Apply	Cancel

Milestone:

Access Control	a Access Control Information			
BioStar 2	Cardholders Search for cardholders to view a p Search cardholder Q	icture of the cardholder. The card	tholder picture is used in the	e XProtect Smart Client, when an access control event has been registered.
	Name	Туре	kate	e
	Administrator	AG3	AG3	
	ethan	AG3		
	halley	AG3		
	Icate	AG3		
	tim	AG3		
	Я	AG3		
			사용지	RFID: 3
			사용자	자 그를: All Users
			비활성	설: false
			시작 1	날자: 2001-01-01 오전 12:00:00
			만료 5	날짜: 2030-12-31 오후 11:59:00
			PIN:	true
			지문:	1
			얼굴:	0
			715:	0
			12.	

Although the information on user/door/device is changed except for real-time events in BioStar 2, it will not be updated in Milestone automatically. In these cases, you should click **Refresh Configuration** button in Milestone (**Access Control** > **General Settings**). Otherwise, the user information between BioStar 2 and Milestone are different.



Step 6: Utilize XProtect Smart Client

If you succeed in integration with Milestone with BioStar2, you can monitor real-time video, identify the detected alarm from the door, access to BioStar 2 and check the event logs displayed in BioStar 2 by utilizing XProtect Smart Client.



- Live
- Alarm Manager
- BioStar2
- Access Control

Major Features

Feature 1: Live

In Milestone XProtect Smart Client, you can monitor real-time video recorded by IP camera. After you select the camera you associated in Milestone XProtect management, drag it into the right panel.

How to utilize BioStar 2 integrating with Milestone



Then, you can see the real-time video recorded by IP camera.



In addition, you can adjust direction or zoom in/out by clicking the icon located in left-bottom side.

How to utilize BioStar 2 integrating with Milestone



You can customize the View in Live tab.

For example, if you want to monitor video and check the information on users who authenticate their identity with PIN/Fingerprint template at the same time, click **Setup** button.



Then, you can see various options you can configure. First of all, click **Create New View** icon.

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After that, you can select one option you want to customize in the view. By clicking the icon shaped pencil, you can modify the name. Then, Click **Set** button.

Milestone	XProtect Smart (Client					
Live	Playback	Sequence Explo	rer		Alarm Manager	()	BioSta
XProtect		<	N	lew	View (1 x 1)		
III Views		^	Г				
Count stars		0~					
Search views							
4 📄 Defaul	t group						
iiii De	fault view group	_					
	New View (1 + 1)						
	New View (1 x 1)						
Private	2						
	<u>ا</u> ية ه <u>ا</u>	A-3			1 = 1		
E System	Overview	4:3 Portrait			1+1		
E Oyatem	Overheit	16:9	. "	=	1+1*		
I (O Alarms	5	16:9 Portrait		_	1x2		
DESKT	OP-62NLDSH		1		2 x 1		
Access	Monitor			-	1+2		
BioSta	r2 View			=	1 + 2*		
Camer	a Navigator		1		1+1+2		
Carous	sel			4	2 x 2		
Hotspi	ot				4 x 1		
THIML	Page		1	1	1+1+4		
Image			1		1 + 5		
црң мар				=	2 x 3		
T Matrix			1		1+7		
□ lext				9	3 x 3		
Overlay	Buttons	~			2 + 8		
🕨 🗔 Applic	ation				1+11		
🕨 🉈 Camer	а				2 + 10		
► 🕂 PTZ					4 x 4		
🔸 🍣 Device				24	4 × 6		
Access	Control			25	5x5		
Properti	ies	^		36	6x6		
				49	7x7		
	No properties ava	ilable.		64	8 x 8		
				300	10 x 10		

Next, drag **Access Monitor** in **System Overview**. In the Access Monitor Settings, you should specify the settings for the Access Monitor and click **OK** button.



Once you click OK button, you can see the customized view. Please note that you should click Setup button again to escape the setting of View. If you see below screenshot, you can monitor video and the information on users who authenticate their identity to enter the door simultaneously.





If someone fails to authenticate their identity, the notification will be displayed in the rightbottom side and display the real-time video.



Feature 2: Alarm Manager

If an alarm occurs in BioStar 2, the alarm message will be generated in Milestone.

BioStar 2:

SH VRD	Dashboard		
R R	Overview		
Dee on Antor Nee	January 2017 ~ December 2017	Access denied (Blacklist) User 134205897 Device BioStation A2 541531003 (192.168.14.207) Alarm Access denied (Blacklist)	× SEP OCT
ESS ENDORING CORING CORING ECO	Usage User 7 Ver 7 Ver 7 Ver 7 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 8 Ver 9 Ver Ver 9 Ver Ver 9 Ver 9 Ver Ver 9 V V V V V V V V V V V V V V V V V V	Date 2017/12/07 11:18:30 Comment Acknowledge Ignore e/1309 1	tures of BioStar 2.5 ice supported from BioStar 2.5 ions supporting new features and det

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Milestone:

2024/09/07 18:15

Milestone XProtect Smart Clie	ent												12/7/2017 11	:17:58 AM -	. 0' ×	
Live Playback	Sequence Explorer Alam	n Manager 💋	BioStar2	Access Control										er 🔶 🛛	• 🗗	۴
														Setup	^ [3
125441 AM 🕘 Thank you for usin	ing this trial license to demonstrate or evalu	ate the XProtect video	management soft	ware. The trial license expires on 1	0/19/2018. To fully license the product, pl	iease co	ontact your reseller or find one on ww	w.milestonesys.com.								
👳 < > 😨 No map has been :	selected						Axis 215 Camera (192.1	68.14.200) - Cam	era 1 - 12/7/	2017 11:13:	39.933 AM					
										1. T. M.				Man Durnoi		1
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								at the second	10.00	The Real			1000			
							18:50 AM	11.00 AM		12/7/2017	11:13:40.159 AM	11 ⊫	1130 AM			
Quick Filters	Alarms New (Rer applied) Y	Clear filter				_							-	80		ſ
▼ New (2)	Time Priority	level State Level	State Name	Message	Source	Owner	r ID									ł
T in progress (0)	10.56.56 AM 12/7/20 1	1	New	홍입거부(봉택리스트)	(입설 장지) BioStation A2 5		5									
T On hold (0)	5:37:48 PM 12/6/2010 1	1	New	홍입 거부 (봉탁리스트)	(압설 장지) BioStation A2 5		4									
T Closed (0)																

In Milestone, Alarm Manager will judge if generated event should be dealt with alarm based on Access Control Events tab and Alarm Definitions.

[How to configure the alarm]

This setting is required to view or acknowledge the access control event alarms of BioStar 2 in XProtect Smart Client. The alarm can be set in Setting menu of BioStar 2 and if the event alarm happens, XProtect Smart Client displays the alarm in Alarm Manager.

- https://kb.supremainc.com/knowledge/

Go to Alarms in the Site Navigation and select **Alarm Definitions**. Then, right click **Alarm Definitions** and click **Add New**.



Enter Name in Alarm definition section.

Select Access Control Event Categories and one of Events you want to set in Trigger section. In below picture, I selected Alarm.

Selet one option for **Sources** in **Trigger** section. In below picture, I selected **All doors**.

Alarm Definitions 🚽	# Properties		
🖃 🧶 Alarm Definitions	Alarm definition		
- 🧶 Alarm Test	Enable:		
	Name:	Alarm Test	
	Instructions:		^
			×
	Trigger		
	Triggering event:	Access Control Event Categories	×
		Alarm	×
	Sources:	All doors	×
	Activation period		
	Time profile:	Always	×
	O Event based:	Start:	Select
		Stop:	Select
	Operator action required		
	Time limit:	1 minute	~ ~
	Events triggered:		Select
	Other		
	Related cameras:		Select
	Related map:		×
	Initial alarm owner:		×
	Initial alarm priority:	High	×
	Initial alarm category:		×
	Events triggered by alarm:		Select
	Auto-close alarm:		
4			

At this point, please check Access Control Events which **Alarm** event is allocated. You can map Alarm event to certain Access Control Events. In below picture, I set Alarm event for the Access Control Event, **"Access denied (Blacklist)"**.

5	Select the events you want to monitor in XProtect Smart Client, Use cat Enabled Access Control Event	egories to simplify the use of triggering events, Source Type Access Point, Door Access Point, Door BioStar2 Terminal Bi	Event Category Access denied, Access Point, Access request, Zone Related Access denied, Access Point, Access request, Zone Related Device Related Device Related Device Related Device Related
	Enabled Access Control Event	Source Type Access Point, Door Access Point, Door Access Point, Door BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal	Event Category Access denied, Access Point, Access request, Zone Related Access denied, Access Point, Access request, Zone Related Access denied, Access Point, Access request, Zone Related Device Related Device Related Device Related Device Related
	····································	Access Point, Door Access Point, Door Access Point, Door BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal	Access denied, Access Point, Access request, Zone Related Access denied, Access Point, Access request, Zone Related Access denied, Access Point, Access request, Zone Related Device Related Device Related Device Related Device Related
	교 신종 실패 (설명된 신종 오드) ····································	Access Point, Door Access Point, Door BioStav2 Terminal BioStav2 Terminal BioStav2 Terminal BioStav2 Terminal	Access denied, Access Point, Access request, Zone Related Access denied, Access Point, Access request, Zone Related Device Related Device Related Device Related Device Related
	교 신용 실패 (설명된 크리텍실) ダ 입력 감지 ダ 입력 감지 ダ 입치 시간 성명 ダ 장치 시각 ダ 장치 관금 ダ 장치 감금 ダ 장치 감금	Access Point, Door BioStaz Terminal BioStaz Terminal BioStaz Terminal BioStaz Terminal	Access denied, Access Point, Access request, Zone Related Device Related Device Related Device Related Device Related
-	교 입력 감지 교 암치 시간 성명 교 암치 시간 성명 교 암치 시간 성명 교 암치 사감 교 암치 사감 교 암치 사감 교 암치 참금 교 암치 참금 모 관치 참금	BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal	Device Related Device Related Device Related Device Related
-	· ·	BioStar2 Terminal BioStar2 Terminal BioStar2 Terminal	Device Related Device Related Device Related Device Related
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-	☑ 장치 장금 ☑ 장치 장금 ☑ 장치 장금 해제	BioStar2 Terminal	Davies Related
	· · · · · · · · · · · · · · · · · · ·		
		HioStar2 Terroinal	Device Related
	✔ ☆지 새씁성	BioStar2 Terminal	Device Related
	·····································	BioStar2 Terminal	Device Related
	✓ 장치연결해제 감지	BioStar2 Terminal	Alarm, Device Related
	☑ 출입 거부 (기간 만료)	Access Point, Door	Access Point, Alarm, Zone Related
	☑ 출입 거부 (블랙리스트)	Access Point, Door	Access Point, Alarm, Zone Related
	III 물입 거무 (비율겸 사용사)	Access Point, Door	All catanonias
	✓ 출입 거부 (소프트 시간 지정 안티패스벽)	Access Point, Door	Mi caregories
	✓ 출입 거부 (소프트 안티패스벽)	Access Point, Door	Access denied
	✓ 출입 거부 (스케를 잠금)	Access Point, Door	Access granted
	✓ 출입 거부 (시간 지정 안티패스벽)	Access Point, Door	Annua Dalat
	☑ 출입 거부 (얼굴 경출 실패)	Access Point, Door	Access Point
	☑ 출입 거부 (잘못된 출입 그룹)	Access Point, Door	Access request
	✓ 출입 거부 (촬영 실패)	Access Point, Door	Alam .
	☑ 총입 거부 (하드 안티패스백)	Access Point, Door	
	☑ 출입문 강제 열림	Access Point, Door	U Device Helafed Alarm
	✓ 총입문 강제 열림 알람	Access Point, Door	Door Related
	☑ 출입문 강제 열림 알람 해제	Access Point, Door	Emor
	☑ 솔입문 개방	Access Point, Door	
	☑ 출입문 닫힌	Access Point, Door	Lift Related
	✓ 출입문 안티패스백 알람	Access Point, Door	Test Event Category
	☑ 출입문 안티패스백 알랑 해제	Access Point, Door	
	☑ 출입문 열림	Access Point, Door	Access Point, Door Related
	☑ 출입문 장금	Access Point, Door	Access Point, Door Related
	☑ 출입문 장시간 열림	Access Point, Door	Access Point, Alarm, Door Related
	✓ 출입문 장시간 열림 알람	Access Point, Door	Access Point, Alarm, Door Related
	☑ 출입문 장시간 열림 알람 해제	Access Point, Door	Access Point, Door Related
	✓ 침입 감지	Door	Alarm, Zone Related
	☑ 침입 경보 상태 해제	Door	Zone Related
	☑ 타입존 설정	BioStar2 Terminal	Device Related

Feature 3: BioStar2

In Milestone XProtect Smart Client, you can access to BioStar 2 and add/modify the data (e.g. User, Device, Door) in BioStar 2.

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Milestone)	XProtect Smart Client	Reflection Assess Control		12/6/2017 5:28:14 PM = 0 ×					
Live	Playback Sequence Explorer Alarm Manager	Biostar2 Access Control		setuo 🕅					
BioStar 2	2 🕲 Setting () About (?) Help			Administrator E topout					
C DASH BOARD	Dashboard								
A USER				Year Month Week					
R	January 2017 ~ December 2017								
	10 8 6			Trie 18					
	4 2 JAN FEB MAR	APR VAA RAA	JUL AUG SEP OCT	Access deried (Inc., 12 Derice Disconnecti., 4 Hidd door spend 1 Hotor DEC					
ACCESS CONTROL	Usage		Notice	Notice					
нокитояние а и со и со оча оча оча оча оча оча оча оч	User Figure for the face	Card Shore Parks Card Access	Group FW versions supporting new features and dev	lice					
ATTENDANCE	Alarm Monitor								
	Date			Alarm					
	2017/12/06 13:17	BioStation A2 541531003 (192.168.14.207)		Device Disconnection Detected					
	2017/12/05 17:57	BioStation A2 541531003 (192.168.14.207)		Device Disconnection Detected					
	2017/12/05 17:56	BioStation A2 541531003 (192.168.14.207)		Held door opened					

Feature 4: Access Control

You can check Events, Doors and Cardholders for BioStar 2 in Milestone.

Mileston	Milestone XProtect Smart Client								
Live	Playback	Sequence Explo	rer Alarm Manage	er 🔞 🛛 BioStar	2	Access Control			
10:54:41 AM	Thank yo	ou for using this trial license to r	demonstrate or evaluate the XPro	itect video manageme	nt softw	ware. The trial license expires	on 10/19/2018. To fully license the product, please contact your reseller or find one on www.milestonesys.com.		
Events	Doors C	Cardholders							
Search ca	urdholders	q	G						
Today 🔻	All events	✓ All doors ▼							
							Access report		
Time 👻		Event	Source	Cardholder					
12/7/2017 11	:18:30 AM	출입 거부 (블랙리스트)	(입실 장치) BioStation A2 5						
12/7/2017 10	:56:56 AM	출입 거부 (블랙리스트)	(입실 장치) BioStation A2 5						
12/7/2017 10	:55:28 AM	출입 거부 (블랙리스트)	(입실 장치) BioStation A2 5						
12/7/2017 10	:51:18 AM	장치연결해제 감지	Xpass 53129 (192.168.14.22						
12/7/2017 10	:21:58 AM	장치연결해제 감지	BioLiteNet 538101268 (192						
12/7/2017 9:3	0:48 AM	장치 시간 설정	BioLiteNet 538101268 (192						
12/7/2017 7:4	4:27 AM	Server connected	BioStar2 System						
(

You can also create the PDF report for Event records by clicking **Access report** button.

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Milestor	Milestone XProtect Smart Client											
Live	Playback	Sequence Explo	orer Alarm Manag	er 🔞	BioStar2	Access Control						
1:5529 PM 🕕 Thank you for using this trial license to demonstrate or evaluate the XProtect video management software. The trial license expires on 10/19/2018. To fully license the product, please contact your reseller or find one on www.milestonesys.com.												
Events Doors Cardholders Search cardholders Q Today * All events * All doors *								Arcess report				
Time 🚽		Event	Source	Cardho	lder							
12/7/2017 1:	44:00 PM	출입문 잠금	test door									
12/7/2017 1:	43:57 PM	출입문 개방	test door									
12/7/2017 1:	43:57 PM	1:N 인증 성공 (지문)	(입실 장치) BioStation A2 5	i∕ kate								
12/7/2017 1:	26:28 PM	Server connected	BioStar2 System									

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