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T.react CIP installation manual 09 - Milestone XProtect Corporate Single Server

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	Approved for T.react CIP revision F	С	2019-06-17
	Updated for T.react CIP revision J	D	See frontpage

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10	Authorize Recording serverError! Bookmark	not defined.

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1 Introduction

1.1 Purpose

This installation manual explains how to install the Milestone XProtect Corporate in a T.react CIP Single Server installation.

1.2 Scope

This manual is part of the overall T.react CIP system installation flow described in the main installation manual (see [INMMAIN] or [INMENTR] depending on the T.react CIP system to install).

This document describes the basic installation of Milestone XProtect Corporate 2020 R1 in a T.react CIP Single Server installation, where all Milestone XProtect Corporate components are installed on the same Windows Server. However, this manual can also be used if the Milestone Recording Server and Milestone Management Server are installed on separate machines.

The procedures described in this document apply to both virtual and physical server installations.

It is assumed that the reader has a basic knowledge of Windows Server operating systems and Milestone XProtect Corporate.

1.3 Application

This document is intended for T.react CIP installation personnel.

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2 References

Ref.	Doc. No.	Title
[INMMAIN]	751606-HI	T.react CIP Single-Server Installation Manual
[INMENTR]	1410438-HI	T.react CIP Entry-Level Installation Manual
[INM02]	1034663-HI	T.react CIP Installation Manual 02 - Windows Server
[MILE- INSTALLER]	1032498-004	Milestone XProtect Corporate 2020 R1 installer
[MILESTONE]	768221-QD	MilestoneXProtectCorporate_Administrators_Manual_en- US

3 Definitions

Term	Definition
AD	Active Directory (Microsoft)
CIP	Critical Infrastructure Protection
CPU	Central Processing Unit
FTP	File Transfer Protocol
GIT	Generic Installation Tool (Terma)
IP	Internet Protocol
SLC	Software License Code (Milestone)
SQL	Structured Query Language
VMS	Video Management System

4 Structures

All illustrations in this document are associated with the numbered bullet above the illustration.

The following writing styles are used in the document:

Text in program	Text found in program being described (typically shown on related illustration) – bold text
Button	Button in program being described (typically shown on related illustration) – bold + italic text
Key	Keyboard key to be entered – italic text
User entry	Text to entered by the operator – bold + Courier New text

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5 **Prerequisites**

- Windows Server installed and configured (see [INM02])
- Windows Server 2019 installation media
- Milestone XProtect VMS Products System Installer (see [MILE-INSTALLER])
- Microsoft .NET 4.7.2 framework offline installer (from Microsoft website)
- License (SLC) for Milestone XProtect VMS

6 Customize the server

The following instructions apply regardless if all Milestone XProtect components are installed on the same server or not:

- 1. Assign a name to the server (optional)
- 2. Configure one static IP address on the subnet used by the T.react CIP workstation(s), e.g. 172.20.100.105 with netmask 255.255.255.0
- 3. If an AD is set up, add the server to the installation domain (e.g. treactcip.com)
- 4. If the server is a virtual machine, follow these steps (depending on the physical host):
 - a. Extend to 4 CPU cores (or more) reserve approximately 3/4
 - b. Extend to 64 GB memory (or more) reserve all

The following additional instructions apply for the server running the Milestone Recording Server component:

- 5. Configure one static IP address on the subnet used by the cameras, sensors and other hardware installed (e.g. effectors), e.g. 10.0.0.105 with netmask 255.255.255.0. It is recommended to configure this IP address on a different Ethernet port than the one used to communicate with the workstations (see step 2 above). However, if only one Ethernet port is available on the server, it is also possible to configure this IP address as a secondary IP address.
- 6. If the server is a virtual machine, extend the hard disk to meet the customer storage plan.

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7 Create a service user

It is necessary for the GIT services and Milestone services to be run by the same user. A service account with administrative privileges is created for this purpose.

1. Open the Server Manager by clicking on the associated icon in lower left corner of the

Windows task bar (

- 3)		Manage	Tools	View	Help
		Comp	onent Service	s		
		Comp	uter Manager	ment		
		Defrag	ment and Op	otimize Dri	ves	
		Disk C	leanup			
		Event	Viewer			
		iSCSI I	nitiator			
		Local S	Security Policy	/		
		Micros	oft Azure Ser	vices		
		ODBC	Data Sources	; (32-bit)		
		ODBC	Data Sources	; (64-bit)		
		Perfor	mance Monit	or		
		Print N	/lanagement			

2. Expand Local Users and Groups, select Users, right-click and select New User....

🌆 Computer Manage	ement				- 🗆	×
File Action View	Help					
💠 🔿 🙍 🗖	B 🛛 🚺 🖬					
Scomputer Manage	ment (Local Name	Full Name	Description	1	Actions	
 System Tools Task Schedu 	ler Administrator		Built-in account for administering		Users	•
> 🛃 Event Viewe	CIPservice	CIPservice			More Actions	•
> 👸 Shared Fold	ers Guest		A user account managed by the s Built-in account for quest access t			
V 🕭 Local Users	and Groups		built in account for guest access t			
Gro	New User					
> N Perforr	View >					
🗸 📴 Storage	Refresh					
> 🐌 Windo	Export List					
> Services ar	Help					
c Creates a new Local Use	3 starcount.					

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3. Enter CIPservice as User name and enter Password. Ensure that Password never expires is checked. Click *Create*

New User					?	Х
User name:	CIPse	ervice				
Full name:						
Description:	CIP s	ervice user				
Password:		•••••	•••••			
Confirm passwor	rd:	•••••	•••••			
User must ch	nange pa	ssword at ne	d logon			
User cannot	change	password				
Password ne	ver expir	es				
Account is d	isabled					
Help			Creat	ie	Clo	se

4. Right-click newly created user and select Properties

🔚 Computer Management							-		×
File Action View Help	2 🚍								
Computer Management (Local System Tools Computer Management (Local System Tools Const Sector Viewer Subset Folders Cocal Users and Groups Cocal Users and Groups Sorops Sorops Sorops Sorops Sorops Sorosge Soros	Administrator Administrator Clerence DefaultAcco	Full Name	Set Password Dest All Tasks Petete Rename Properties Help	scriptio ilt-in ac	n count for administering e user ount managed by the s count for guest access t	Actions Users Mon CIPservic Mon	e Action: e e Action:	5	* * *

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	trol R	emote Desktop	Services Profile	Dial-in
General Member of:	Member Of	Profile	Environment	Sessions
🕭 Users				
		Changes	to a user's group r	nembership

5. Select Member Of tab and click Add

6. Enter administrators in edit field, click Check Names and click OK

Select Groups		×
Select this object type: Groups		Object Types
From this location:		
Enter the object names to select (<u>examples</u>):		Locations
SRVCIP\Administrators		Check Names
Advanced	OK	Cancel

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7. Click OK

Remote control		Rem	ote Desktop	Services Profile	Dial-in	
General	Membe	r Of	Profile	Environment	Session	
Adminis	Irators					
			Changes	to a user's group me	embership t time the	

8. The newly created service user now has administrative rights on the server.

8 Configure the disk volume(s) for the video recordings

This chapter explains how to configure disk volumes on the server where Milestone Recording Server is to be installed.

The video recordings may be stored on one or several disks, depending on the storage strategy for the T.react CIP installation. It is highly recommended to store the video recordings on a different disk (or disks) than the disk where the Operating System is installed.

By default, Windows Server 2019 sets all new disks to **Offline** so that only the disk where Windows Server 2019 is installed is visible on the server.

The following steps explain how to set a disk to **Online** and create a volume on that disk to store video recordings from Milestone XProtect VMS:

1. Open the Server Manager by clicking on the associated icon in lower left corner of the

Windows task bar (

• 3)		Manage	Tools	View	Help					
		Compo	onent Service	s							
		Defragment and Optimize Drives									
	Disk Cleanup										
		Event	Viewer								
		iSCSI I	nitiator								
		Local S	Security Policy	,							
		Micros	oft Azure Ser	vices							
		ODBC	Data Sources	(32-bit)							
		ODBC	Data Sources	(64-bit)							
		Perform	mance Monito	or							
		Print N	lanagement								

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2. Go to Disk Management

🜆 Computer Management							-	×
File Action View Help								
🗢 🔿 🖄 🖬 🛛 🗩	🗙 📝 🔒 📴 📧]						
🛃 Computer Management (Local	Volume	Layout T	Гуре F	ile System	Status	Cap	Actions	
✓ n System Tools	-	Simple B	Basic		Healthy (EFI System Partition)	100	Disk Management	
> 🕑 Task Scheduler	(C:)	Simple B	Basic N	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)	223	More Actions	•
> B Event Viewer	KINGSTON (E:)	Simple B	Basic N	NTES	Healthy (Active Primary Partition)	57.7		
Shared Folders								
> (N) Performance								
🗄 Device Manager								
🗸 🔄 Storage								
> 🍓 Windows Server Backup								
📅 Disk Management								
Services and Applications								
	<							
	= Disk 0					^		
	Basic	F. 7/////	/////	(C:)				
	223,41 GB	100 MB		223,31	GB NTFS			
	Online	Healthy	EFI Syst	Health	y (Boot, Page File, Crash Dump, Primary Partit			
		K//////						
	ODisk 1							
	Unknown 1962 00 CP							
	Offline	1862,99 G	iB ted					
	•	onunocut						
						-		
	= Disk 2		_					
	57.80 GB	61 MR		57 74 GR	DN (F:)			
	Online	Unallocat	ted	Healthy (Active, Primary Partition)	~		
< >	Unallocated	Primary pa	artition					

3. If the disk is offline, right-click on the disk and select **Online**

🜆 Computer Management						-	×
File Action View Help							
· • • 2 🖬 🛛 🖬 🗩	V F						
🜆 Computer Management (Local	Volume	Layout Ty	pe File System	Status	Cap	Actions	
✓ [™] System Tools	-	Simple Ba	sic	Healthy (EFI System Partition)	100	Disk Management	
> 🕑 Task Scheduler	- (C:)	Simple Ba	sic NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)	223,	Marchatian	
> 🛃 Event Viewer	20170904A (E:)	Simple Ba	sic UDF	Healthy (Primary Partition)	7,26	Wore Actions	
> 👔 Shared Folders		Simple ba	SIC INTES	Healthy (Active, Primary Partition)	51,1		
See Local Osers and Groups							
Device Manager							
✓ In Storage							
> 🐌 Windows Server Backup							
📅 Disk Management							
> ᡖ Services and Applications							
	<				>		
					_		
	= Disk 0						
	Basic 223.41 GB	100 MP	(C:)	CP NTES			
	Online	Healthy (E	I Syste Health	y (Boot, Page File, Crash Dump, Primary Partit			
		-	12				
	Opline						
	1862	-	-				
	Offlii Prope	rties					
	Help						
		-			-		
	Disk 2						
	57.80 GB	61 MB	57.74 GR	JN (F:) NTES			
	Online	Unallocate	d Healthy (Active, Primary Partition)	¥.		
< >	Unallocated	Primary par	ition				

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4. Right-click on the disk to install and select Initialize Disk

🜆 Computer Management							-		×
File Action View Help									
🗢 🄿 🖄 📰 🖉 🗩	2 🗉								
🜆 Computer Management (Local	Volume	Layout	Type	File System	Status	Cap	Actions		
✓ [™] System Tools	-	Simple	Basic		Healthy (EFI System Partition)	100	Disk Managemen	t	
> (Task Scheduler	(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)	223	More Actions		
> B Event Viewer	KINGSTON (E)	Simple	Basic	NTES	Healthy (Active Primary Partition)	57.7	More Actions	,	
3 Shared Folders M Local Users and Groups		Simple	Dusic	NIL S	ricality (Active, Finnary Farthon)	21,1			
> N Performance									
🗄 Device Manager									
🗸 🔮 Storage									
> 🚯 Windows Server Backup									
📅 Disk Management									
Services and Applications									
	<					~			
	Dick 0					^			
	Basic			(C:)					
	223,41 GB	100 MB		223,31 (GB NTFS				
	Online	Healthy	(EFI Sy	ste Healthy	/ (Boot, Page File, Crash Dump, Primary Partit				
	ODisk 1								
	Patra and	1							
	1 Initialize D	isk							
	Offline		2						
	Dremention		_						
	Properties		_						
	F Help			KINGSTO	DN (F:)				
	Online	Upalloc	ated	57,74 GB I	NTFS Active Drimany Partition)	~			
< >	Unallocated	Primary p	partitio	n nearrig ()					
	,						,		

5. Select **GPT** partition style (for disks >= 2TB) and click **OK**

Initialize Disk	×
You must initialize a disk before Logical Disk Manager can access it.	
Select disks:	
✓ Disk 1	1
Use the following partition style for the selected disks:	
◯ MBR (Master Boot Record)	
GPT (GUID Partition Table)	
Note: The GPT partition style is not recognized by all previous versions of Windows.	
OK Cancel	

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6. Right-click on the formatted disk and select the desired volume type (here **New Simple Volume**)

🌆 Computer Management							-		\times
File Action View Help									
🗢 🔿 🙋 📰 🗾 🗩	2								
🜆 Computer Management (Local	Volume	Layout	Type 🛛	File System	Status	Cap	Actions		
✓ [™]	-	Simple	Basic		Healthy (EFI System Partition)	100	Disk Managem	ient	
> (I) Task Scheduler	(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)	223	More Acti	0.00	
> 🛃 Event Viewer	20170904A (E:)	Simple	Basic		Healthy (Artive Priman/Partition)	7,20 57.7	More Acti	UIIS	,
B Shared Folders S S Local Users and Groups		Simple	Dasie	NIIS	ricality (Active, Frinary Partition)	51,1			
> N Performance									
🗄 Device Manager									
🗸 🚰 Storage									
> 🐌 Windows Server Backup									
📅 Disk Management									
Services and Applications									
						_			
	<					>			
	= Disk 0					^			
	Basic			(C)					
	223,41 GB	100 MB		223,31 G	B NTFS				
	Online	Healthy	(EFI Syst	te Healthy	(Boot, Page File, Crash Dump, Primary Partit				
	= Disk 1					1			
	Basic	£7////	/////						
	1862,86 GB	1862,86 (GB 🥢		New Simple Volume				
	Unine	Unalloca	ited		New Spanned Volume				
			////		New Striped Volume				
	= Disk 2				New Mirrored Volume				
	Removable 57.80 GB	61 MB		KINGSTON	N (F: New RAID-5 Volume				
	Online	Unalloca	ted	Healthy (A	ctive. Properties	~			
< >>		Primary p	artition		Help				

7. A wizard starts. Click Next

New Simple Volume Wizard		×			
	Welcome to the New Simple Volume Wizard				
	This wizard helps you create a simple volume on a disk.				
	A simple volume can only be on a single disk.				
	To continue, click Next.				
	< Back Next > Cancel				

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T)

Select the size of the volume to create and cli	ck N	lext
---	------	------

New Simple Volume Wizard	Х
Specify Volume Size Choose a volume size that is between the	maximum and minimum sizes.
Maximum disk space in MB:	1907568
Minimum disk space in MB:	8
Simple volume size in MB:	1907568
	< Back Next > Cancel

9. Select a letter for the volume and click Next

New Simple Volume Wizard		X
Assign Drive Letter or Path For easier access, you can assign a drive letter	or drive path to your partition.	
Assign the following drive letter:	G v	
O Mount in the following empty NTFS folder:	Browse	
O Do not assign a drive letter or drive path		
	< Back Next > Cancel	

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10. Select the option to format the volume and choose NTFS as file system, 64K as allocation unit size (for optimal performance of Milestone recordings) and give the volume a name. Click *Next*

New Simple Volume Wizard			×
Format Partition To store data on this partition, you m	ust format it first.		
Choose whether you want to format t	his volume, and if	so, what settings you want	to use.
O Do not format this volume			
Format this volume with the following the	llowing settings:		
File system:	NTFS	\sim	
Allocation unit size:	64K	\sim	
Volume label:	Video		
Perform a quick format			
Enable file and folder co	mpression		
	< Bac	k Next >	Cancel

11. When the operation is completed, click *Finish*

New Simple Volume Wizard		×
	Completing the New Simple Volume Wizard	
	You have successfully completed the New Simple Volume Wizard.	
	Volume type: Simple Volume Disk selected: Disk 1 Volume size: 1907568 MB Drive letter or path: G: File system: NTFS Allocation unit size: 65536 Volume label: Video Quick format: Yes To close this wizard, click Finish.	
	< Back Finish Cancel	I

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掛 Computer Management							-		×
File Action View Help									
🗢 🄿 🙍 🖬 😰 🗩	2 🖾								
🛃 Computer Management (Local	Volume	Layout	Туре	File System	Status	Cap	Actions		
🗸 👔 System Tools	-	Simple	Basic		Healthy (EFI System Partition)	100	Dick Manageme	nt	
> (D) Task Scheduler	🚍 (C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)	223	Disk Managerrie	in.	_
> 🛃 Event Viewer	20170904A (E:)	Simple	Basic	UDF	Healthy (Primary Partition)	7,26	More Action	ns	•
> 👸 Shared Folders	KINGSTON (F:)	Simple	Basic	NTFS	Healthy (Active, Primary Partition)	57,7			
> 🚂 Local Users and Groups	🛲 Video (G:)	Simple	Basic	NTFS	Healthy (Primary Partition)	186			
> Performance									
🛔 Device Manager									
🗸 📴 Storage									
> 🐞 Windows Server Backup									
T Disk Management									
Services and Applications									
1	4								

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9 Install Milestone XProtect Corporate

9.1 Install the required .NET frameworks

Milestone XProtect VMS 2020 R1 requires the server(s) to have Microsoft .NET Framework 4.7 installed.

9.1.1 Install Microsoft .NET framework 4.7.2

1. Run the Microsoft .NET framework 4.7.2 offline installer

Extracting files	×
Preparing: C:\297d4131348681f189f1\Windows6.1-KB4019990-x64.cab	
	Cancel

2. Select the checkbox and click Install

📲 Microsoft .NET Framework - 🗆 🗙
.NET Framework 4.7.2 Setup Please accept the license terms to continue.
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS
.NET FRAMEWORK AND ASSOCIATED LANGUAGE PACKS FOR MICROSOFT WINDOWS OPERATING SYSTEM
Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. If you are licensed to use Microsoft Windows operating system software (the "software"), you may use this supplement. You may not use it if you do not have a license for the software. You may use this supplement with each validly licensed copy of the software.
The following license terms describe additional use terms for this
I have read and accept the license terms.
For data collection information, read the <u>Microsoft Privacy Statement</u> .
<u>I</u> nstall Cancel

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3. The installation starts

교태 Microsoft .NET Framework	-		×
.NET Framework 4.7.2 Setup Please wait while the .NET Framework is being installed.			NET
File security verification:			
All files were verified successfully.			
Installation progress:		0	
]
Installing .NET Framework 4.7.2			_
		Can	cel

4. When the installation is done, click *Finish*

Microsoft .NET Framework	_		\times
Installation Is Complete			
.NET Framework 4.7.2 has been installed.			
Check for more recent versions on <u>Windows Update</u> .			
		Fini	sh

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Microsoft .NET Framework	
You must restart your computer to co Restart Later, applications dependen working.	omplete the installation. If you choose at on .NET Framework may stop
Restart Now	Restart Later

9.2 Install Milestone XProtect VMS

The instructions in this section explain the installation of all Milestone XProtect components on the same server.

If the Milestone Recording Server component is to be installed on a different server than the other Milestone XProtect components, follow these instructions to install all Milestone XProtect components except the Milestone Recording Server on one server (see step 5 below), then install the Milestone Recording Server component on the other server (see specific instructions in [MILESTONE]).

Ensure that the Milestone license file is accessible from the server.

1. Get [MILE-INSTALLER] and run installer. The install package will now be unpacked

Unpacking	
	Cancel

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2. Select language (default: English) and click Continue

Milestone XProtect VMS 2	2020 R1		×
Choose lang	juage		
Language:	English (United States)	~	
		Continue Cancel	

3. Read and accept license agreement. Click Continue

	ense agreement	
Milestone End-user Lic	cense Agreement	^
NOTE: If you are a Milestone Dealer, syst Product on behalf of a third party, you sha user License Agreement and their conse with Milestone Systems if such voluntary	erns integrator or are otherwise installing this Il ensure that you have their acceptance of this End- nt to provide end-user personal data for registration option is applied.	
This End-user License Agreement (EULA an individual or a single legal entity) and Milestone product or utility, which may inc components, media, printed materials, oi or corrections ("Product"). If you have pure system delivered by Milestone all hardwa for the purposes of this EULA be conside any third party software or hardware comp) is a legally binding agreement between you (either kliestone Systems A/S ("Milestone") for the lude associated software and hardware nline or electronic documentation and any updates hased the Product as part of a computer or server re and software components of such system shall red being parts of the Product, except however for ionent which is covered by a separate third party	

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4. Browse to the temporary license file, select it and click Continue

lilestone XProtect VMS 2020 R1	
Select license file	
Use the XProtect license file that you h	have purchased and received from your reseller.
Alternatively, download a free XProtec	<u>t Essential+</u> license file.
You can change the license file after in	nstallation.
Visit the <u>Milestone reseller</u> page to find	d a reseller.
	Braviour Costinue Costel

5. Select Custom installation

XProtect Corporate 2020 R1		×
Select an installation	n type	
Single computer	Suitable for small systems where the entire system is managed from one computer.	
	Installs all system components and clients on this computer. After installation, the system is preconfigured and ready for use. Additional configuration may be needed.	
Custom	Suitable for large or complex systems, or if the distribution of system components across several computers is needed	
	Installs system components and clients of your choice on this computer. After installation, the system needs to be configured.	

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6. Select all components except XProtect Mobile Server and click Continue

XProtect Corporate 2020 R1	>
Components to be installed	
XProtect Management Server (64-bit) XProtect Recording Server (64-bit) XProtect Management Client 2020 R1 (6- XProtect Smart Client 2020 R1 (64-bit) XProtect Event Server (64-bit) XProtect Log Server (64-bit) XProtect Mobile Server (64-bit)	XProtect Management Server (64-bit) Stores the configuration of your surveillance system in a relational database and handles user authentication, user rights and similar.
~	
Previous	Continue Cancel

7. Select Install SQL Server Express on this computer and click Continue

XProtect Corporate 2020 R1	×
Select Microsoft SQL Server	
The system stores, among others, the configuration file, alarms, events, and log messages in an SQL database.	
Install Microsoft® SQL Server® Express on this computer	
O Select a SQL Server on your network through search	
SRVCIP-2019 V	
Select a SQL Server on your network	
Enter host name or IP address	
Previous Cancel	

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8. Select This account and click Browse

XProtect Corporate 2020 R1		×
Select service account		
The service uses this account. If the comp either "Network Service" or a domain user	uter is part of a domain, the se account.	rvice must run as
○ This predefined account:		
Network Service \sim		
This account:	Browse	
Password:		
Confirm password:		
	Previous Continu	ue C <u>a</u> ncel

9. Enter service account created in chapter 7 (CIPService), click **Check Names** and click **OK**

Select User	×
Select this object type: User	Object Types
From this location:	
SRVCIP	Locations
Enter the object name to select (<u>examples</u>):	
SRVCIP\CIPservice	Check Names
Advanced OK	Cancel

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10. Click *Continue* (it may be necessary to flip back and forth using *Previous* to activate *Continue* button)

XProt	tect Corporate 2020 R1				
S	Select service account				
TI ei	he service uses this account. If the con ither "Network Service" or a domain us	mputer is part of a do er account.	main, the service m	nust run as	
С) This predefined account:				
	Network Service				
	Network Dervice				
۲	This account: SRVCIP\CIPService	Browse			
۲	This account: SRVCIP\CIPService Password:	Browse			
۲	This account: SRVCIP\CIPService Password: Confirm password:	Browse			
۲	Password: Confirm password:	Browse			
۲	Password: Confirm password:	Browse			
۲	Password: Confirm password:	Browse			

11. Select This account and click Browse

XProtect Corporate 2020 R1	×
Select service account for recording server	
The service uses this account. If the computer is part of a domain, the service must run as either "Network Service" or a domain user account.	
○ This predefined account:	
Network Service 🗸	
This account: Browse	
Password:	
Confirm password:	
Previous Continue Cancel	

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12. Enter the service account created in chapter 7, click Check Names and click OK

Select User		\times
Select this object type:		
User		Object Types
From this location:		
SRVCIP		Locations
Enter the object name to select (<u>examples</u>):		
SRVCIP\CIPservice		Check Names
Advanced	OK	Cancel

13. Enter a name for the recording server, select the location and retention time for the video recordings. Click *Continue*

Specify recording serv	er settings	
Recording server name:		
SRVCIP		
Management server address:		
localhost80		
Note: The recording server stores the r you save your video recordings on a driv select the installation location in the ne	ecordings in the selected folder. It is re re different from where you install the p rt step.	commended th program. You
		Browse
G:\MediaDatabase		<u>D</u> romberni
G:\MediaDatabase Free disk space on drive: 1,82 TB		<u>D</u> .0003611

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14. Click Continue

otect Corporate 2020 R1			
Specify management s	erver encryptior	ı	
Before enabling encryption, make sure servers that communicate with the mar	that the selected certificate nagement server.	is trusted on	all recording
If you enable encryption from the record management server on the recording s	ding servers, you must also ervers	enable encry	ption from the
Encrypt connections from the recording s	ervers to the management serv	/er	Details
Encrypt connections from the recording s	ervers to the management serv	/er	<u>D</u> etails
Encrypt connections from the recording s	ervers to the management serv	rer	Details
Encrypt connections from the recording s	ervers to the management serv	rer	Details
Encrypt connections from the recording s	ervers to the management serv	ner	<u>D</u> etails

15. Click Continue

Protect Corporate 2020 R1
Specify recording server encryption
Before enabling encryption, make sure that the selected server authentication certificate is trusted on all computers running services that retrieve data streams from the recording server.
Enabling encryption requires that XProtect Smart Client and all services that retrieve data streams from the recording server are upgraded to version 2019 R1 or later. Some third-party solutions created using MIP SDK versions older than 2019 R1 may need to be updated - consult with your integration partner before enabling encryption.
For more information, see your system's administrator manual.
Use one configuration for all servers
O Configure servers individually
Encrypt all connections to the recording server using the same certificate
<no certificate="" selected=""> Details</no>
Previous Continue Cancel

16. Select the install location and the language. Click Install

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XProtect Corporate 2020 R1	×
Select file location and product language	
Ele location: C\Program Files (x86)\Milestone Browse	
Free disk space on drive: 393 GB	
Product language: English (United States) ~	
Also note that IIS logging will be disabled on the management server. Also note that the basic user feature requires an HTTPS binding with an IIS certificate. If the binding and the certificate are not installed, the program installs them automatically.	
Previous Install Cancel	

17. The installation of Milestone XProtect Corporate starts

XProtect Corporate 2020 R1	×
Installing XProtect Corporate 2020 R1	
Installing Internet Information Services (IIS)	

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18.	When	the	installation	is	finished,	click	Close
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XProtect Corporate 2020 R1	×
The installation is complete	
These components have been successfully installed.	_
XProtect Management Server (64-bit) XProtect Recording Server (64-bit) XProtect Event Server (64-bit) XProtect Log Server (64-bit) XProtect Management Client 2020 R1 (64-bit) XProtect Smart Client 2020 R1 (64-bit) XProtect Mobile Server (64-bit)	
 ✓ Open XProtect Management Client 2020 R1 upon exit ✓ Show system component download page]
Close	

9.3 Update Milestone XProtect Device Pack

The device pack delivered by default with the Milestone XProtect software might not support all camera models used in the T.react CIP installation. It is therefore recommended to update the Milestone XProtect Device Pack (to be done on the machine running Milestone Management Server) as explained below:

- 1. Get the latest Milestone XProtect Device pack from the Milestone homepage (<u>https://www.milestonesys.com/community/business-partner-tools/device-packs/</u>)
- 2. Run the installer

Unpacking	
	Cancel

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3. Click *Continue*

 Milestone XProtect[®] Devic 	e Pack 11.3a	×
Choose langi	uage	
<u>L</u> anguage:	English (United States)	
	<u>C</u> ontinue C <u>a</u> ncel	

4. Read license agreement and accept. Click Continue

Before, during or after the installation, you nd vulnerability issues.	need to address the f	ollowing important compa	tibility
A Drivers potentially missing after i	installation		
We have split our device pack into tw newer and most commonly used cam older and less used ones. During this be removed and only the regular devi devices that depend on drivers from t and data to the system.	o: The Regular Device eras; and devices and installation, your curre ce pack will be installe he legacy device pack,	pack with drivers for the a Legacy Device Pack for ntly installed device pack d. If you have cameras o they can no longer send	the will r video
What do I need to do? Pause this installation. Visit the <u>device</u> devices that depend on drivers from the legacy device pack from the download	<u>e pack page</u> to check if he legacy device pack. I page, When downloa	you have cameras and If you do, download the ded, continue and comple	ete

5. Use default file installation location and language - click Install

Milestone XProtect® Device Pack 11.3a				×
Select file location and p	product lang	guage		
Ele location: gram Files\Milestone\XProtect Record	ing Server\Drivers	s\NativeDrivers\	<u>B</u> rowse	
Free disk space on drive: 382 GB				
Product Janguage: English (United States)	~			
	<u>P</u> revious	<u>I</u> nstall	C <u>a</u> ncel	

6. The installer uninstalls the default **Device Pack** (here **Device Pack 10.7b)** and installs the new device pack (here **Device Pack 11.3a**)

♦ Milestone XProtect [®] Device Pack 11.3a	Х
Installing Milestone XProtect VMS Device Pack 11.3	
Uninstalling Milestone XProtect VMS Device Pack 10.7a	
Overall progress	1

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7. When the installation is finished,	click	Close
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Milestone XProtect® Device Pack 11.3a	×
The installation is complete	
These components have been successfully installed.	
DevicePack 11.3a	
<u>C</u> lose	

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