

WE EMPOWER PEOPLE WORLDWIDE

LEARNING & PERFORMANCE CATALOG

MAKE THE
WORLD SEE

 milestone

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Register today 55

The essence of Performance

The mission of the Learning & Performance team is to empower the people in the Milestone community to successfully perform on the job by delivering effective learning and performance support solutions. Our vision is to grow the number of people globally who have proven expertise in the design and implementation of Milestone community solutions.

We offer both instructor-led training classes and free online eLearning courses to help learners build the knowledge and skills needed to perform on the job. Our online certification assessments allow individuals to prove their expertise in design, installation, and configuration of Milestone products and to fulfill Partner Program requirements.

It is important that learners receive recognition and documentation of their successes! Completion certificates are available for learners after attending our instructor-led training classes/workshops or completing many of our eLearning courses. Certification diplomas are issued to individuals who pass the certification assessments.

In support of our global community, our Learning Portal, training, and certifications are available in multiple languages.

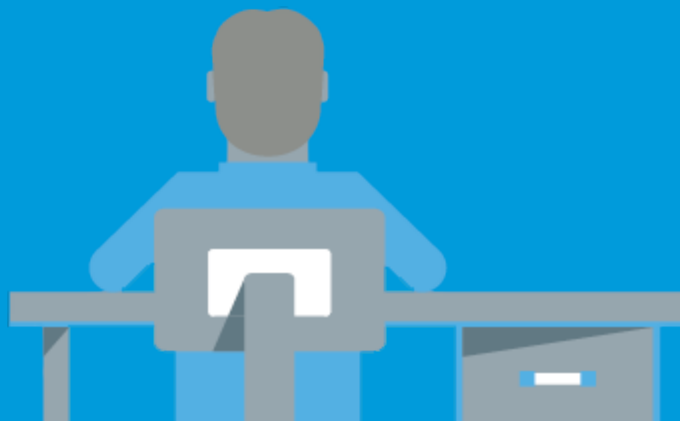
XProtect VMS Deployment Best Practice

In addition to the learning tools outlined in this catalog, the [*Milestone XProtect VMS Deployment Best Practice*](#) is a reference document for technicians and engineers installing Milestone XProtect VMS (single- to multi-server installations, medium complexity) and should be used as a technical design and installation guide when planning, installing, servicing, and expanding Milestone solutions.

- Supplements Milestone manuals, guides, and white papers.
- Includes practical advice and suggestions on how to best deploy XProtect VMS.
- Provides context for included resources, as well as additional references to eLearning courses and non-Milestone resources.

Available through the [*Milestone Deployment Assistant*](#).

The Deployment Assistant will help you organize deployment and manage the risk and complexity of installing an IP video surveillance system. By providing a structured and easy-to-follow approach to deployment and documentation, the new interactive tool will boost the quality of your deployment.



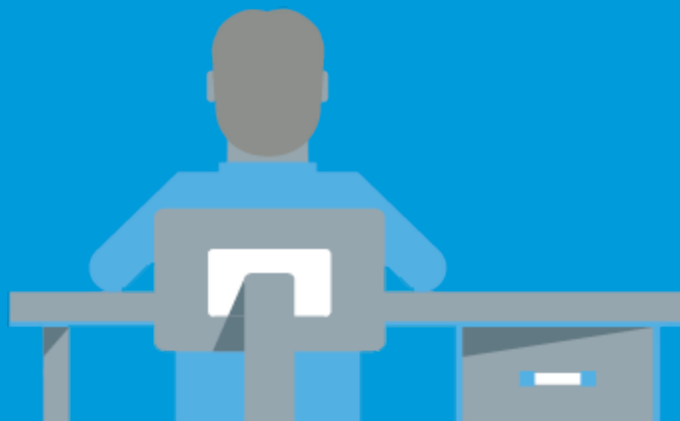
Training Tracks



A training track is a way of grouping together eLearning courses to create an ordered curriculum that is applicable to a specific job role.

While all the courses included in these training tracks are also available within the individual eLearning categories they belong in, training tracks are a suggested learning path to help system designers and field technicians get the knowledge they need.

Once you enroll in a training track, you will be automatically enrolled in the individual courses. If you have already completed courses within a track, the courses you have not yet completed will be listed first.



Deploying Single-server, Low-complexity XProtect Systems

The Integrator Level 1 training track is recommended for field technicians who are responsible for installing and configuring single-server, low-complexity video surveillance systems. The courses included in this training track provide knowledge on how to install and configure systems using Milestone products.

Novice:

- Milestone Fundamentals of IP Surveillance Systems
- Installing and configuring XProtect Smart Client
- Viewing Live Video in Smart Client
- Searching and Exporting video in XProtect Smart Client

Competent:

- Getting Started with XProtect VMS
- Adding Cameras and Device Groups in XProtect VMS Products

Proficient:

- Configuring Storage and Archiving for XProtect VMS
- Getting Started with Rules in XProtect VMS
- Troubleshooting Network Connectivity in XProtect VMS Solutions



6h

[Go To Track](#)

Deploying Multi-server, Medium-complexity XProtect Systems

The Integrator Level 2 training track is recommended for field technicians who are responsible for installing and configuring multi-server, medium-complexity video surveillance systems. The courses included in this training track provide knowledge on how to install and configure systems using Milestone products.

Novice:

- Installing XProtect VMS in a multi-server environment
- Configuring Storage and Archiving for XProtect VMS
- Getting Started with Rules in XProtect VMS
- Moving Hardware Devices
- Managing Secure Access in XProtect Advanced
- Improving XProtect VMS Performance with Multi-streaming

Competent:

- Configuring and Using Edge Storage in XProtect VMS
- Configuring and Using Enhanced PTZ
- Configuring and Using Maps
- Configuring and Using XProtect SmartMap
- Configuring XProtect Mobile with Smart Connect
- Configuring and Using Push Notifications

Proficient:

- Exploring XProtect VMS System Architecture and Communication
- Configuring and Using Alarms and Notifications
- Configuring Milestone Interconnect
- Configuring XProtect System Monitor
- Troubleshooting and Securing XProtect VMS with Server Logs
- Hardening XProtect VMS
- Milestone Server Communication Encryption



6h

Go To Track

Deploying Multi-server, High-complexity XProtect Systems

The Integrator Level 3 training track is recommended for field technicians who are responsible for installing and configuring multi-server, high-complexity video surveillance systems. The courses included in this training track provide knowledge on how to install and configure systems using Milestone products.

Novice:

- Exploring XProtect VMS System Architecture and Communication

Competent:

- Configuring XProtect DLNA Out
- Configuring and Using the XProtect Smart Wall

Proficient:

- Identifying Cybersecurity threats



[Go To Track](#)

Cybersecurity

The courses included in this training track provide knowledge on cybersecurity issues.

The track includes:

- Identifying Cybersecurity Threats
- Hardening XProtect VMS
- Managing Secure Access in XProtect Advanced
- Milestone Server Communication Encryption



[Go To Track](#)

Design Engineer

The Design Engineer training track is recommended for partners in a design role who are responsible for designing surveillance solutions to meet customers' needs. The courses included in this training track provide knowledge on how to design solutions using Milestone products.

This track includes:

- Milestone Fundamentals of IP Surveillance Systems
- Designing Small-to-medium XProtect VMS
- Exploring XProtect VMS System Architecture and Communication
- Identifying Cybersecurity Threats
- Improving XProtect VMS performance with Multi-streaming



4h

[Go To Track](#)

Milestone Cloud Solutions

The Milestone Cloud Solutions training track is recommended for sales, designers, and field technicians who are responsible for communicating about, designing for, and otherwise deploying XProtect solutions in the cloud.

Once you enroll in this training track, you will be automatically enrolled in the individual courses. If you have already completed courses within a track, the courses you have not yet completed will be listed first.

Content Areas Covered

- Milestone Cloud Fundamentals
- Installing the Arcules-XProtect Hybrid VMS Solution
- Communicating the value of XProtect on AWS
- Designing XProtect on AWS solutions
- Deploying XProtect on AWS



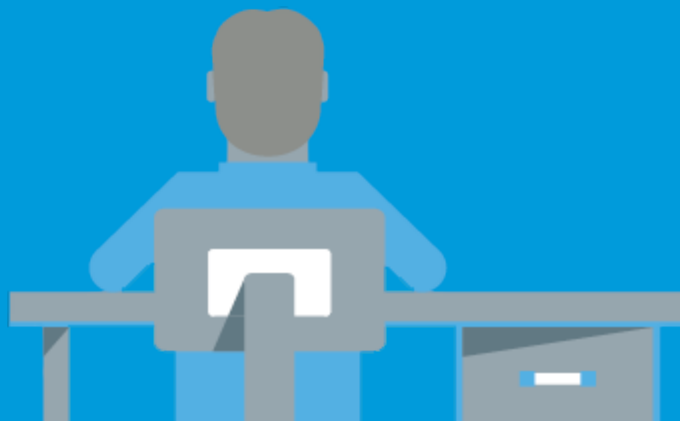
3h

[Go To Track](#)

eLearning



Our eLearning is a convenient way of getting immediate access to free training online! We offer an ever-increasing number of eLearning courses for integrators and reseller partners, as well as end-user customers. These courses are free and available 24/7 from your computer or tablet.





Getting Started with XProtect

The courses included in the [Getting Started with XProtect](#) eLearning category are a convenient way to introduce learners to Milestone products and product features. They are designed to cover basic installation practices and functionality.

Milestone Fundamentals of IP Surveillance Systems

Milestone Fundamentals of IP Surveillance Systems helps build foundational knowledge and skills with digital video management software (VMS). This course covers how to:

- Describe the types of devices in IP surveillance installations and list the components of a VMS.
- Select appropriate cameras and lenses by considering the surveillance objective, field of view, resolution standards, exposure, codecs, and other key factors.
- Describe the main network components and protocols that support IP surveillance systems.
- Perform network bandwidth calculations and identify limitations or critical points in a network design that may lead to choke points.
- Describe the main types of storage and the recommendations for storing video in a VMS.

● BEGINNER

🕒 60m

[Take Course](#) [See Video](#)

Getting Started with XProtect VMS

Milestone XProtect VMS products include XProtect Express+, XProtect Professional+, XProtect® Expert, and XProtect® Corporate. This course covers the tasks required to install and configure a single-site, low-complexity XProtect Professional+ VMS solution. These tasks also apply to any of the other products listed above. After completion, partners and integrators new to working with these products will be able to:

- Identify Milestone Support resources.
- Prepare a system for XProtect.
- Find and download XProtect.
- Install and configure basic XProtect features.
- Explore the XProtect® Management Client and set options.

● BEGINNER

🕒 40m

[Take Course](#) [See Video](#)

Installing and configuring XProtect Smart Client

In the *Installing and Configuring XProtect® Smart Client* course, you act as a consultant and help virtual team members get started setting up and using the Milestone XProtect Smart Client. After completion, managers, administrators, and investigators will be able to:

- Download and install Smart Client.
- Set up views and other items in XProtect Smart Client.



 BEGINNER  30m

[Take Course](#)

Viewing Live Video in Smart Client

In the *Viewing Live Video in XProtect® Smart Client* course, you act as a consultant and help virtual team member use the Milestone XProtect Smart Client. After completion, end-user operators will be able to:

- Navigate through the XProtect Smart Client.
- Monitor events by viewing and adjusting live video.

 BEGINNER  20m

[Take Course](#) [See Video](#)

Searching and Exporting video in XProtect Smart Client

In the *Searching and exporting video in XProtect® Smart Client* course, you act as a consultant and help virtual team members get started using the Milestone XProtect Smart Client. After completion, managers, administrators, and investigators will be able to:

- Investigate incidents by searching through and playing back recorded video.
- Export evidence via video and still images.



 BEGINNER  30m

[Take Course](#) [See Video](#)

Getting Started with XProtect Web Client

The XProtect Web Client is an intuitive, web-based interface used to view, play back, and share video. This course covers the operation of the XProtect Web Client. After completion, end-user operators will be able to:

- View live video.
- Manage cameras for an investigation.
- Play back recorded video and export it for investigation.

 BEGINNER  20m

[Take Course](#) [See Video](#)

Installing XProtect VMS in a multi-server environment

In the *Installing XProtect VMS in a multi-server environment* course, you act as a consultant to help install and configure a distributed, large XProtect VMS solution. After completion, partners and integrators familiar with XProtect VMS will be able to:

- Identify Milestone support resources.
- Prepare a system for XProtect.
- Find and download XProtect.
- Install XProtect VMS on dedicated servers.

 INTERMEDIATE  20m

[Take Course](#)

Milestone Cloud Fundamentals

This course is intended for system integration technicians, salespeople, designers, and decision-makers. In this course, you explore the basic concepts of cloud computing and how they apply to both IP video surveillance in general and Milestone XProtect VMS in particular. After taking this course, partners will be able to:

- Define what "the cloud" is, including common cloud-based providers, business models, and services.
- Describe how the workload considerations for IP-based video surveillance influence cloud-based deployments.
- Identify likely use cases for migrating or deploying XProtect VMS in the cloud.
- Assess the similarities, differences, and trade-offs between on-premises XProtect VMS solutions and cloud-based XProtect VMS solutions.
- Consider next steps for exploring a transition to cloud-based VMS deployments.

 BEGINNER

 20m

[Take Course](#)



Communicating Milestone Value

The *Communicating Milestone Value* series of courses will help customer-facing partners communicate the value of Milestone and our products, and be able to better convey the advantages of working with Milestone.

Communicating Product Features - Deployment Options

This course is intended for system integrator partners in a sales role who are newer to Milestone. In this course, you will discover the various deployment options available for Milestone XProtect, both on-premises and in the cloud. After taking this course, system integrator salespeople newer to Milestone will be able to:

- Identify the various on-premises and cloud-based deployment options available for XProtect.
- Explain the key components of the various deployment options.
- Identify suitable deployment options for various end-customer stakeholders.

● BEGINNER

🕒 45m

[Take Course](#)

Communicating Product Features - Ease of Deploying Milestone XProtect

This course is intended for system integrator partners in a deployment role who are newer to Milestone. In this course, you will discover some of the features and add-ons to Milestone XProtect that help to deploy XProtect quickly and efficiently. After taking this course, system integrators in a deployment role newer to Milestone will be able to:

- Identify various features and add-ons to XProtect that help deploy systems quickly and efficiently.
- Explain the key components of each feature and add-on.
- Identify instances where end-customer stakeholders would benefit from these features and add-ons.

● BEGINNER

🕒 45m

[Take Course](#)

Communicating Product Features - System Security

In this course, learners discover key features and functions of Milestone XProtect for system security. After completion, partners in a sales role who are newer to Milestone will be able to:

- Identify a given system security-related feature.
- Explain what each feature does.
- Describe why different end-customer profiles care about each feature.

● BEGINNER  45m

[Take Course](#)

Communicating Product Features - Situational Awareness

This course is intended for system integrator partners in a sales role who are newer to Milestone. In this course, learners discover key features and functions of Milestone XProtect that provide situational awareness. After taking this course, system integrator salespeople newer to Milestone will be able to:

- Identify a given feature which enhances situational awareness.
- Explain what each feature does.
- Identify the product suite that supports that feature.
- Engage with end-customer stakeholders about key situational awareness features, and how each feature impacts them.

● BEGINNER  45m

[Take Course](#)

Communicating Product Features - High-Performing VMS

This course is intended for system integrator partners in a sales role who are newer to Milestone. In this course, you will discover some of the features and functions within Milestone XProtect that keep end-customer installations running at peak performance and to budget. After taking this course, system integrator salespeople newer to Milestone will be able to:

- Identify various features and functions of XProtect that maintain high performance.
- Explain the key components of each feature and function.
- Identify instances where end-customer stakeholders would benefit from these features and functions.

● BEGINNER  45m

[Take Course](#)

Communicating Product Features - Investigation and Evidence Handling

In this course, you discover key features that help when searching video and compiling evidence within Milestone XProtect products. After taking this course, system integrator salespeople newer to Milestone will be able to:

- Identify a given feature or function that help when searching video and compiling evidence within XProtect products.
- Explain the key components of each feature.
- Identify the product suite that supports that feature.
- Identify instances where these features are useful for end customers.

● BEGINNER  45m

[Take Course](#)

Communicating Product Features - System Monitoring & Maintenance

In this course, you discover key features and functions that help monitor and maintain Milestone XProtect installations. After taking this course, system integrator salespeople newer to Milestone will be able to:

- Identify a given feature or function which help monitor and maintain XProtect installations.
- Explain the key components of each feature and function.
- Identify the product suite that supports that feature.
- Identify instances where these features and functions are useful.

● BEGINNER  45m

[Take Course](#)

Communicating with Business-Ready end-customer stakeholders

In this eLearning, you will work with a Milestone partner new to the Milestone Partner Program. By completing this eLearning, you will:

- Understand the various concerns an end-customer with a single stakeholder may have.
- Complete a discovery phase of a potential end-customer.
- Relate end customer needs to Milestone features and functions.
- Select the correct XProtect product based on end-customer needs.
- Create a proposal based on end-customer needs.
- Discuss proposal with end-customer while relating to identified needs.

● BEGINNER  30m

[Take Course](#)

Communicating the value of XProtect on AWS

This course is intended for system integrator partners in a sales role. In this course, you discover the Milestone XProtect VMS products offered on AWS Marketplace and examine how they can provide value to both your customers and your own business. After taking this course, system integrator salespeople will be able to:

- List and describe the XProtect on AWS Marketplace products Milestone offers.
- Articulate the benefits of XProtect on AWS Marketplace products for customers.
- Understand the benefits of XProtect on AWS Marketplace products for system integrator partners.
- Consider the projects and use cases that benefit the most from XProtect on AWS deployments.
- Unveil potential opportunities for AWS in your discussions with customers

■ INTERMEDIATE  15m

[Take Course](#)

Exploring Milestone Care™

In the *Exploring Milestone Care* course, learners discover the levels of Milestone Care. After completion, partners will be able to:

- Identify a given Milestone Care level and explain the benefits.
- Find the best Care support program for their business needs.

● BEGINNER  15m

[Take Course](#)



Designing Secure Milestone Solutions

The *Designing Secure Milestone Solutions* series of courses covers basic skills and information needed to successfully design a surveillance system using Milestone products to meet customers' needs.

Designing Small-to-medium XProtect VMS

When you have completed this course, you will be familiar with key elements in the Milestone design process and you will be prepared to:

- Determine surveillance objectives.
- Define and calculate image quality for cameras.
- Discuss basic network topologies.
- Advise your customers about product selection.
- Use the XProtect Server Calculator to calculate needs for servers, network, and storage.

■ INTERMEDIATE  30m

[Take Course](#) [See Video](#)

Designing XProtect on AWS solutions

This course is intended for solution design partners. In this course, you investigate the components and architecture that comprise XProtect on AWS products, and explore what to consider when dimensioning, networking, and expanding XProtect on AWS solutions. After taking this course, solution design partners will be able to:

- Determine the appropriate XProtect on AWS product to suit a customer's needs.
- Diagram the XProtect on AWS solution topology architecture, including on-premises components.
- Dimension EC2 instances for XProtect on AWS solutions.
- Consider the cost, networking, data management, and security characteristics relevant to XProtect VMS when working in AWS.
- Describe possible methods of expanding XProtect on AWS.
- Connect on-premises clients to XProtect on AWS.
- Communicate sample design scenarios for XProtect on AWS solutions.

◆ ADVANCED  60m

[Take Course](#)

Exploring XProtect VMS System Architecture and Communication

In *Exploring XProtect VMS System Architecture and Communication*, you explore the system architecture of an XProtect Video Management Software (VMS) installation, discover the purpose of each system component, and understand how communication flows through the software when you perform certain tasks.

After completion, system designers, integrators, and support roles will be able to:

- List the components of XProtect VMS.
- Explain the function of each of the components.
- Describe the communication protocol and ports for various functions within the system.

*This course features video animation with audio narration. To complete the course, you must pass a brief 5-question quiz.

■ INTERMEDIATE  30m

[Take Course](#) [See Video](#)

Improving XProtect VMS Performance with Multi-streaming

XProtect VMS supports multi-streaming for IP cameras. This allows you to configure streams of different qualities for different purposes, which helps reduce network traffic and reduces CPU load for decoding. This course covers concepts and tasks to help you benefit from this feature. After completion, integrators, designers, and system administrators will be able to:

- Explain multi-streaming in IP cameras.
- List the benefits of multi-streaming.
- Design a multi-streaming solution.
- Configure multi-streaming in XProtect Management Client.

■ INTERMEDIATE  30m

[Take Course](#)



Working with Milestone as a Partner

The *Working with Milestone as a Partner* series of courses will help learners use the tools available in their Milestone Reseller Portal to promote successful day-to-day business.

Exploring the Milestone Reseller Portal

In the *Exploring the Milestone Reseller Portal* course, learners discover the benefits of Reseller Portal. After completion, partners will be able to:

- Log into My Milestone.
- Find the Server calculator and Husky calculator.
- Register a project to get the best discounts.
- Register a license to a customer.
- Activate a license for a customer.
- Monitor customers' VMS system health.

● BEGINNER

🕒 15m

[Take Course](#)

Exploring Value and Features of Milestone Store

The Milestone Store provides a simplified, intuitive way to perform common ordering tasks. This eLearning course covers the basics of how to manage orders, licenses, subscriptions, and quotes. After completion, customer-facing distributor roles will be able to:

- Place new orders.
- Trade in SLCs.
- Add configurations to existing SLCs.
- Renew Care Plus subscriptions.
- Manage quotes.

● BEGINNER

🕒 60m

[Take Course](#)

Engaging with Milestone as a Reseller

In the *Engaging with Milestone as a Reseller* course, you follow along as a security system integrator business joins the Milestone Partner Program (MPP). They explore the value of working with Milestone, join the MPP, identify who to contact in Milestone for help and support, and begin selling Milestone products and services as an Authorized Partner.

After completing this course, prospective Milestone partners will be able to:

- Apply, qualify, and receive approval to join the MPP.
- Get started as a reseller partner.
- Explore the benefits of the MPP.
- Sell and deploy a Milestone solution as an Authorized Partner.

● BEGINNER

 30m

[Take Course](#)

Working as a Tech Partner: Exploring the MIP Driver Framework

In this course, you will learn about the MIP Driver Framework. After completion, you will be able to:

- Determine when using the MIP Driver Framework is appropriate.
- Describe the benefits and capabilities of the MIP Driver Framework.
- Explain the process of building and deploying a driver.
- Describe how to distribute a driver to XProtect® VMS users.

■ INTERMEDIATE

 30m

[Take Course](#)



Configuring and Using XProtect

The *Configuring and Using XProtect* series of courses highlights the configuration and use of different XProtect Video Management Software (VMS) features.

Adding Cameras and Device Groups in XProtect VMS

Adding cameras and devices to the XProtect VMS is a fundamental task in the Management Client. This eLearning course covers the basics of how to prepare and connect your cameras to the system, and how you can organize and structure your cameras and devices with device groups. After completion, partners and integrators will be able to:

- List basic prerequisites prior to adding cameras.
- Add cameras and devices with the Add hardware wizard.
- Configure cameras.
- Create and manage device groups.
- Perform multiple camera configuration from device groups.

● BEGINNER

🕒 30m

[Take Course](#) [See Video](#)

Configuring AWS FSx for XProtect on AWS

In this course, system integrators learn how to implement and configure an Amazon FSx for Windows file system to act as archive storage for an XProtect on AWS deployment. After completing this course, you will be able to:

- Describe what the Amazon FSx service is, how it functions, and what prerequisites it has.
- List the benefits of using Amazon FSx as an archiving system for XProtect on AWS.
- Determine ideal use cases for Amazon FSx based on Milestone recommendations.
- Consider Amazon FSx configuration options and how they apply to XProtect VMS deployments.
- Deploy, configure, and verify an Amazon FSx file share for an XProtect on AWS deployment.

■ INTERMEDIATE

🕒 40m

[Take Course](#)

Configuring and Using Alarms and Notifications

Alarms and notifications help customers respond quickly to situations that need attention. This course covers how to configure and use alarms and notifications. After completion, end-user administrators and operators will be able to:

- Create an alarm.
- Send an email upon the occurrence of an event or alarm.
- Associate a map with an alarm.
- Create a time profile to determine when alarms are active.
- Assign an alarm to another team member.
- Open and close (resolve) an alarm.

■ INTERMEDIATE  30m

[Take Course](#) [See Video](#)

Configuring and Using Edge Storage in XProtect VMS

Edge Storage refers to the ability of modern IP cameras to record video and audio to embedded or removable onboard media storage devices instead of, or in addition to, streaming media to a centralized recording server. Milestone XProtect VMS supports the retrieval of edge storage recordings and features several ways to maximize system reliability, flexibility, and performance when using edge storage to complement centralized recording. After completion, partners and integrators will be able to:

- Configure edge storage options in camera interface.
- Configure edge storage retrieval options in the XProtect Management Client.
- Manually request edge storage recordings in the XProtect Smart Client.

■ INTERMEDIATE  45m

[Take Course](#)

Configuring and Using Enhanced PTZ

This course describes how to set up, select, and use presets and patrolling profiles for a PTZ camera in the XProtect Smart Client 2016. It also describes how to take and release control of a PTZ camera in a reserved session and adjust the timeout for manual and reserved PTZ sessions. After completion, partners and integrators will be able to:

- Set up presets and patrolling profiles for a Pan-Tilt-Zoom (PTZ) camera in the Smart Client.
- Select and Use PTZ presets and patrolling profiles.
- Take and release control of a PTZ camera in a reserved session.
- Adjust the timeout for manual and reserved PTZ sessions.

 BEGINNER  20m

[Take Course](#) [See Video](#)

Configuring and Using Maps

XProtect® Smart Client Maps help you find cameras by location, alert you to locations of problems or alarms, and provide an overall view of a site. This course covers how to configure and use Smart Client Maps. After completion, partners and integrators will be able to:

- Add, remove, and edit maps.
- Add, edit, and remove elements on a map.
- Add a hot zone, recolor the zone, and select a sub-map.
- Change a map background.

 BEGINNER  20m

[Take Course](#)

Configuring and Using Push Notifications

Push notifications provide the occasional user, as well as patrolling officers, notifications about incidents that require their attention. This course covers how to enable push notifications on the Mobile Server. After completion, partners and integrators will be able to:

- Configure notifications on the Mobile Server in the Management Client and Management Application.

 INTERMEDIATE  20m

[Take Course](#)

Configuring and Using XProtect Smart Map

XProtect Smart Map is a new XProtect Smart Client feature that allows operators to view camera and other device locations on different types of geographic information system (GIS) world maps. This course covers the configuration and use of the XProtect Smart Map feature. After completion, end-user operators and integrators will be able to:

- Describe the benefits of the XProtect Smart Map feature.
- Add a Smart Map to a view.
- Add and remove cameras, as well as define the field of view.
- Preview and send multiple cameras to windows.
- Change the geographic background.
- Manage default settings.

■ INTERMEDIATE  30m

[Take Course](#) [See Video](#)

Configuring and Using Video Push

XProtect Mobile Video Push can provide realtime situational awareness for security personnel as guards are on patrol. After completion, partners and integrators will be able to:

- Ensure the role using video push is authorized to log into the mobile server, and can read the video push camera and mic.
- Add a video push channel on the Mobile Server.
- Add a video push device on the Recording Server.
- Add a video push view item in the XProtect Smart Client.
- Download, set up, and use XProtect Mobile app from a mobile device.

■ INTERMEDIATE  20m

[Take Course](#)

Configuring Milestone Interconnect™

Milestone Interconnect can connect multiple XProtect installations across the globe. This course covers how to configure Milestone Interconnect in XProtect Corporate. After completion, partners and integrators will be able to:

- Explain the benefits and differences between Milestone Interconnect and Milestone Federated Architecture™.
- Connect to a remote VMS installation from XProtect Corporate.
- Set the central site to store the remote site video recordings.
- Schedule a time to download video from the remote site.

■ INTERMEDIATE  20m

[Take Course](#)

Configuring Storage and Archiving for XProtect VMS

Milestone XProtect VMS offers flexible storage options enable you to choose the most cost-effective, secure, and reliable storage and archive solutions for your customers' business. This course covers the architecture and configuration of storage in XProtect. After completion, designers and technicians will be able to:

- Explain recording architecture in XProtect VMS.
- Recommend storage and recording technologies for IP video surveillance.
- Design and optimize storage solutions.
- Prepare server operating systems for recording.

● BEGINNER  20m

[Take Course](#)

Configuring XProtect Mobile with Smart Connect

The Milestone Mobile Server can automatically identify network addresses and configuration of consumer-grade routers. This course covers how to connect to the Mobile Server from any location and demonstrates how to send an email directly from within the administration interface to the end-user. After completion, partners and integrators will be able to:

- Explain that Milestone Mobile can automatically identify network addresses and configuration of consumer-grade routers.
- Explain that Milestone Mobile can switch seamlessly between internal and external IP addresses and connect to the Mobile Server from any location.
- Send an email directly from within the administration interface to the end user.
- Configure these settings with either the XProtect® Management Application 2016 or XProtect Management Client 2016.

● BEGINNER

🕒 20m

[Take Course](#)

Deploying XProtect on AWS

This course is intended for system integration technicians and engineers. In this course, you work with a virtual team to deploy the bring-your-own-license (BYOL) version of XProtect on AWS Marketplace in an Amazon Virtual Private Cloud (VPC). After taking this course, technicians and engineers will be able to:

- Generate key pairs required for deploying XProtect on AWS.
- Select the appropriate XProtect on AWS Marketplace product.
- Configure CloudFormation stack parameters to initialize XProtect on AWS.
- Connect to XProtect on AWS instances and activate XProtect VMS licenses.
- Connect on-premises cameras to XProtect on AWS.
- Connect on-premises clients to XProtect on AWS.
- Adjust Elastic Cloud Compute (EC2) instance parameters to re-dimension resources for XProtect on AWS.

◆ ADVANCED

🕒 60m

[Take Course](#)

Getting Started with Rules in XProtect VMS

The rules engine in XProtect VMS allows you to automate and tailor the surveillance system to match specific needs and conditions. By implementing rules, you can increase operational efficiency and automate standard security tasks at the same time. Furthermore, you can reduce the number of manual activities around the system. This course covers concepts and tasks to help you benefit from the rules engine in XProtect Express+, XProtect Professional+, XProtect Expert, and XProtect Corporate. After completion, partners and integrators will be able to:

- List principles for rules and events.
- Manage rules in the XProtect Management Client.
- Configure rules with the Manage Rules wizard.
- Create time profiles.
- Enable hardware events.
- List examples for events on critical system conditions.

 INTERMEDIATE  50m

[Take Course](#) [See Video](#)

Moving Hardware Devices

The Move Hardware feature allows customers to load balance, replace hardware, and replace a defective recording server without interruption of the playback or exporting of video. This eLearning course covers the benefits of moving hardware and how to move hardware between different Recording Servers. After completion, partners and integrators will be able to:

- Describe the benefits of moving hardware.
- Use the XProtect Management Client to move hardware from one Recording Server to another.
- List resources to troubleshoot issues.

 BEGINNER  20m

[Take Course](#)

Installing and Testing the Open Network Bridge

The Milestone Open Network Bridge is an interface between an XProtect system and an external surveillance system. This course covers installation, configuration, and testing of the Open Network Bridge. After completion, partners and integrators will be able to:

- Explain Open Network Bridge concepts.
- Create a Windows user to communicate between Open Network Bridge server and Management Server.
- Install the Open Network Bridge server and Management plug-in.
- Create an ONVIF User Role.
- Add an Open Network Bridge.
- Test Open Network Bridge video.

◆ ADVANCED

 30m

[Take Course](#) [See Video](#)

Installing XProtect VMS in a multi-server environment

In the *Installing XProtect VMS in a multi-server environment* course, you act as a consultant to help install and configure a distributed, large XProtect VMS solution. After completion, partners and integrators familiar with XProtect VMS will be able to:

- Identify Milestone support resources.
- Prepare a system for XProtect.
- Find and download XProtect.
- Install XProtect VMS on dedicated servers.

■ INTERMEDIATE

 20m

[Take Course](#)



Configuring and Using Milestone and Third-party Add-ons

The [*Configuring and Using Milestone and Third-party Add-ons*](#) series of courses highlights the configuration and use of different Milestone add-ons and third-party integrations.

Configuring and Using XProtect Access

XProtect® Access is an add-on product to Milestone's XProtect VMS and Husky NVRs that makes it possible to integrate access control into your software. This course covers how to configure and use the XProtect Access add-on. After completion, partners and integrators will be able to:

- Enable XProtect Access and integrate access control systems with XProtect video management software (VMS).
- Adjust XProtect Access configuration on the access control properties pane.

■ INTERMEDIATE  20m

[Take Course](#) [See Video](#)

Configuring and Using XProtect LPR

XProtect LPR is license plate recognition software that reads license plate information from vehicles and links license plate information with video. This course covers the installation, configuration, and use of XProtect LPR. After completion, integrators and operators will be able to:

- Install and configure License Plate Recognition.
- Select and set up cameras for LPR.
- Add LPR cameras.
- Create a matchlist.
- Create an alarm based on specific license plates.

■ INTERMEDIATE  15m

[Take Course](#) [See Video](#)

Configuring and Using the XProtect Smart Wall

XProtect® Smart Wall is an add-on product that improves response time by giving a complete overview of large surveillance centers. This course covers how to configure and use the XProtect Smart Wall add-on. After completion, partners and integrators will be able to:

- Describe how the XProtect Smart Wall enhances the ability of surveillance personnel to recognize, react to, and investigate incidents as a coordinated team.
- Use the XProtect Management Client to configure Smart Wall systems.
- Adjust Smart Client settings to display particular Smart Wall configurations and relevant presets.

■ INTERMEDIATE  30m

[Take Course](#) [See Video](#)

Installing the Arcules-XProtect® Hybrid VMS Solution

This eLearning course covers how to download, install, and connect Arcules VSaaS in Milestone XProtect VMS. After completion, partners and integrators will be able to:

- Describe the key components of an Arcules Video Surveillance as a Service (VSaaS) solution.
- Communicate the benefits of integrating an Arcules solution into XProtect VMS.
- Illustrate how an Arcules solution fits into a multi-server XProtect network topology.
- Identify cases where an Arcules solution is the optimal choice.
- Identify cases where an Arcules solution is not recommended.
- Perform the steps to download and install the Arcules Connector plug-in.
- Perform the steps to add Arcules gateways and cameras to the Management Client.
- Create a view in the Smart Client that contains both Arcules and XProtect cameras.
- Observe alarm synchronization across Arcules and XProtect products.

■ INTERMEDIATE  20m

[Take Course](#)

Using Bosch Forensic Search

This eLearning course covers how to download, install, and use Bosch Forensic Search in XProtect Smart Client. After completing this course, users will be able to:

- Install the Milestone and Bosch plugins to enable Bosch Forensic Search.
- Understand the different search analytics.
- Demonstrate the process of choosing and narrowing the search criteria in Bosch Forensic Search.
- Know when to use the appropriate analytic for the use case.

■ INTERMEDIATE  30m

[Take Course](#)

Installing and Configuring XProtect RapidReview

This eLearning course covers how to install and configure XProtect® Rapid REVIEW™ in Milestone XProtect® VMS. XProtect Rapid REVIEW provides forensic analytic capabilities that empower operators and investigators to find what they're looking for fast. Powered by BriefCam® technology, XProtect Rapid REVIEW is a powerful add-on to XProtect VMS that provides a comprehensive list of search filters, smart case management, and a seamless integration into XProtect Smart Client. After completion, learners will be able to:

- Communicate the value and benefits of XProtect Rapid REVIEW
- Determine system architecture requirements and provision hardware
- Install prerequisites and run the deployment script
- Activate the product license
- Configure the XProtect Rapid REVIEW deployment
- Install the embedded Smart Client Plug-in on client workstations

◆ ADVANCED  90m

[Take Course](#)

Using XProtect® RapidReview

This eLearning course covers how to use XProtect® Rapid REVIEW™ in XProtect® Smart Client. XProtect Rapid REVIEW condenses many hours of video into a few minutes by isolating and storing every moving entity. Video is then presented based on filter criteria. After completion, investigators operators will be able to:

- Explain the value and benefits of using XProtect Rapid REVIEW
- Create cases, add video and find people
- Quickly find objects based on vague descriptions
- Gain insight on customer behavior through heat maps and path tracing

● BEGINNER

🕒 30m

[Take Course](#)

Installing and Configuring XProtect Management Server Failover

XProtect Management Server Failover gives you redundant capability for the Management Server. This course covers how to install and configure XProtect Management Server Failover. After completion, partners and integrators will be able to:

- Explain the benefits of having a redundant Management Server.
- Install a custom XProtect in Corporate or Expert.
- Configure the XProtect Management Failover.
- Create a rule to alert you to a failover event.
- Restart a Management Server from the web console.

◆ ADVANCED

🕒 45m

[Take Course](#)

Configuring Incident Manager

XProtect Incident Manager allows administrators to fully customize incident criteria to make it easy for operators to produce consistent reports and focus on the incident. This course covers how to configure XProtect Incident Manager. After completion, learners will be able to:

- Describe the benefits of XProtect Incident Manager.
- Analyze business needs.
- Configure XProtect Incident Manager based on an example business analysis.
- Adjust security permissions.
- Verify the configuration in XProtect Smart Client.

■ INTERMEDIATE  30m

[Take Course](#)

Using Incident Manager

XProtect Incident Manager allows operators to document and manage incident projects directly in XProtect Smart Client with consistency and ease. This course covers how to create, edit, and export incident data along with associated video sequences. After completion, Smart Client operators and investigators will be able to:

- Navigate the incident management interface.
- Start an incident project from the Live tab.
- Edit incident projects and add additional sequences from the Playback tab.
- Publish an incident report.
- Export incident video evidence.
- Create an empty incident project and add sequences to it.
- Delete an incident project.

◆ ADVANCED  45m

[Take Course](#)



Maintaining and Troubleshooting XProtect

The *Maintaining and Troubleshooting XProtect* series of courses will help learners optimize and solve issues with Milestone VMS and NVR systems.

Backing up and Restoring XProtect VMS

After completion, the learner will be able to:

- Describe the baseline skills needed to back up an XProtect System.
- Back up configuration.
- Explain that the configuration is stored in SQL.
- Describe the skills needed to restore XProtect to a previous version.
- Launch SQL Management Studio.
- Uninstall XProtect.
- Reinstall previous version.
- Restore configuration.

■ INTERMEDIATE  30m

[Take Course](#)

Configuring the XProtect System Monitor

The XProtect Smart Client System Dashboard provides customers with real-time system status with a tile-based dashboard that allows them to respond proactively to problems. This eLearning course covers how to configure and use the System Monitor. After completion, resellers who monitor their system health will be able to:

- Customize the system dashboard to monitor the particular servers and cameras that are important to them.
- Change the free space thresholds for normal/warning/critical states.
- Set up rules to receive notifications on the system status.

■ INTERMEDIATE  20m

[Take Course](#)

Troubleshooting and Securing XProtect VMS with Server Logs

In *Troubleshooting and Securing XProtect VMS with Server Logs*, learners meet with virtual team members to discover how using the Server Logs node in the XProtect Management Client can help System Administrators track VMS activity, troubleshoot problems, and secure their systems.

After completion, learners in a support role will be able to:

- Adjust log settings and retention times to comply with organizational requirements.
- Identify server log components.
- Apply and clear log filters.
- Use System logs to view hardware, software, or communications activity.
- Use Audit logs to monitor configuration changes and operator activity.
- Use Rule-triggered logs to create customized log messages.
- Export log entries for documentation.

■ INTERMEDIATE  30m

[Take Course](#)

Troubleshooting Network Connectivity in XProtect VMS Solutions

In *Troubleshooting Network Connectivity in XProtect VMS Solutions*, learners meet with a virtual team member to troubleshoot connectivity issues in an XProtect VMS installation, using basic troubleshooting tools.

After completion, system integrators and learners in a support role will be able to use the Command Prompt, Windows Task Manager, and XProtect server status logs to:

- Diagnose and resolve a user login issue.
- Diagnose and resolve a Recording Server connectivity issue.
- Diagnose and resolve a device connectivity issue.

● BEGINNER  45m

[Take Course](#)

Engaging Milestone Technical Support

In *Engaging Milestone Technical Support*, learners will be introduced to key Milestone support resources and support tools used for troubleshooting technical issues. Learners will also walk through the steps of creating a new support case with Milestone Technical Support.

After completion, Partner integrators and learners in a support role will be able to:

- Locate popular Milestone support resources.
- Use key Milestone support tools.
- Create a technical support case with the Milestone Support team.

 BEGINNER

 30m

[Take Course](#)



Ensuring Secure Systems

The *Ensuring Secure Systems* series of courses highlights the identification and mitigation of cybersecurity threats as well as avoiding privacy issues in XProtect Video Management Software (VMS) systems.

Configuring and Using the Bulk Password Manager

This eLearning course covers how to configure a rule to change device passwords on a user-defined recurring schedule. After completion, partners and integrators will be able to:

- Create a new rule.
- Selecting a time for recurrence..
- Change passwords on all devices.

 BEGINNER

 15m

[Take Course](#)

Hardening XProtect VMS

In the *Hardening XProtect VMS* course, you learn how to apply different types of security measures in operating systems, networks, and XProtect VMS itself. After completion, integration engineers, and designers will be able to:

- Describe common security problems with video surveillance installations.
- Explain how a holistic approach is needed to combat security risks.
- Determine critical considerations for choosing the appropriate security measures.
- Describe the process of implementing improved security.

 INTERMEDIATE

 30m

[Take Course](#)

Identifying Cybersecurity Threats

The *Identifying Cybersecurity Threats* course covers a broad array of cybersecurity topics that may impact an XProtect VMS installation and other corporate IT systems and assets. These topics affect both end-user organizations as well as systems integrators who design, deploy, and support the IP surveillance systems. After completion, people in these roles will be able to identify threats against:

- Network, server, client, and device vulnerabilities.
- Physical access and tampering.
- Human or behavioral vulnerabilities.

 BEGINNER

 45m

[Take Course](#)

Managing Secure Access in XProtect Advanced

This course covers how to configure users and roles and profiles for a more secure system. After completion, partners and integrators working with XProtect Advanced will be able to:

- Describe the relationship of Users, Roles, and Profiles.
- Use the Principal of Least Privilege (PoLP).
- Create and copy a Role.
- Assign Users to Roles.
- Assign Profiles to Roles.

 BEGINNER

 20m

[Take Course](#)

Milestone Server Communication Encryption

In the *Milestone Server Communication Encryption* course, you explore encryption options for network communications. After completion, designers and integrators will be able to:

- Describe the basics of computer-to-computer encryption.
- Explain server communication encryption.
- Determine critical considerations for enabling communication encryption.
- Describe the process of applying server communication encryption.

 INTERMEDIATE

 30m

[Take Course](#)



Exploring the Milestone Husky™

The Milestone Husky products are customizable workstation appliances pre-installed with XProtect video management software (VMS). The [*Configuring the Milestone Husky*](#) series of courses covers the design, installation, configuration, and operation of Milestone Husky network video recorders (NVR).

Installing and Configuring the Husky™ IVO Series

This course is designed for system integrators, the new eLearning course introduces the Husky IVO product line up and takes you through a hands-on installation and configuration process. After taking this course, system integrators will be able to:

- Prepare network, devices, and your selected Husky unit.
- Install the Husky IVO of your choice.
- Run the Husky Assistant to manage and maintain the Husky unit.

● BEGINNER

🕒 45m

[Take Course](#)

Exploring System Design Options with the Husky™ X Series

Exploring System Design Options with the Husky X8 introduces five sites with unique security requirements and demonstrates how the Milestone Husky X Series NVR was used in each configuration to support those requirements. After completing this course, system designers and salespeople will be able to:

- Describe how the Husky X2 can be used as a standalone, all-in-one NVR.
- Describe how the Husky X series can expand an installation.
- Describe how the Husky X8 can be used in large-scale, distributed systems.
- Describe how the Husky M500 Advanced can be used in complex, high-availability systems.
- Describe how the Husky M500 Advanced can be used in multi-site, centrally managed systems.

■ INTERMEDIATE

🕒 20m

[Take Course](#)

Installing and Configuring the Husky™ X2

The Milestone Husky X2 is a high-performing network video recorder designed for the mid-market. It offers scalability and flexibility to meet your specific surveillance needs. This course covers the preparation, installation, and configuration of XProtect on the Husky X2. After completion, field technicians will be able to:

- Prepare and connect the Husky X2.
- Run the Windows Out of Box Experience (OOBE).
- Use the Husky Assistant to set up your Husky X2.

 BEGINNER

 15m

[Take Course](#)

Installing and Configuring the Husky™ X8

The Milestone Husky X8 is a high-performing server-class network video recorder designed for the high-end market. It offers extreme reliability with component, storage, and application redundancy, ensuring continuous uninterrupted operation. This course covers the preparation, installation, and configuration of XProtect on the Husky X8. After completion, field technicians will be able to:

- Prepare and connect the Husky X8.
- Use the Windows OOBE and the Husky Assistant to set up the Husky X8.

 BEGINNER

 15m

[Take Course](#)

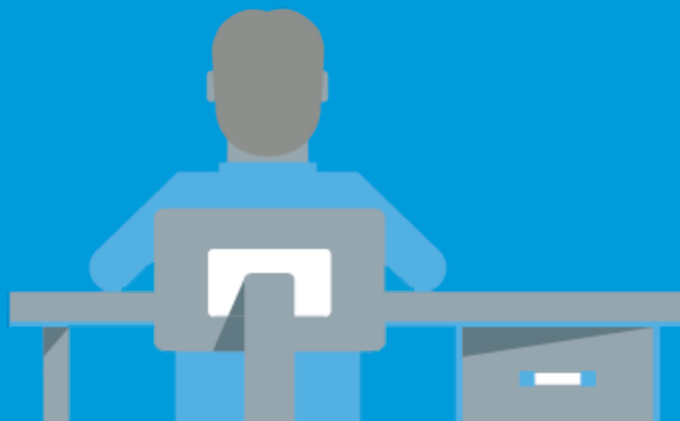
Instructor-led training

Milestone's expert trainers teach classes/workshops all over the globe in a number of different languages. Our instructor-led training workshops use a combination of real-world scenarios and hands-on exercises to build the knowledge and skills necessary to successfully design, install, and configure Milestone VMS products to meet customer needs. These classes/workshops support the transfer of knowledge to on-the-job performance through the use of checklists and job aids that learners take with them into the field.

Individuals who are looking to build their capabilities with Milestone products are encouraged to attend our instructor-led training. These classes/workshops also help participants prepare for the corresponding online certification assessments, which prove expertise with Milestone products and fulfill certification requirements for various levels in the Partner Program.

Attending instructor-led training classes/workshops does not include a certification. After attending a class/workshop, a completion document for that event will be available in your online profile (transcript).

[Check out this video](#) to learn more about our instructor-led training!



Milestone Solution Design

This two-day training class provides attendees with the knowledge and skills needed to design Milestone XProtect VMS surveillance systems that effectively support customers' surveillance objectives and optimize return on investment. It is designed to empower our partners to consistently meet their customers' needs and exceed their expectations. During this class, attendees will concentrate on best practices in customer needs identification, information collection, and making video surveillance design decisions.

Attendees use the Milestone Solution Design Process, job aids, and additional tools provided in class to design effective solutions for real-life scenarios. A professional facilitator guides attendees to meet stated requirements and provides expertise in Milestone best practices.

View the Milestone Solution Design training class agenda here.



Target Audience

Individuals responsible for working with customers and designing security systems using Milestone products

Individuals with limited system design experience will benefit most from attending this class.

This training class is not required prior to taking the Milestone Certified Design Engineer (MCDE) online certification assessment but is recommended as preparation.

*For learners looking to earn the MCDE certification and who have experience in system design, we recommend attempting the online assessment prior to enrolling in the class. We also recommend reviewing the *MCDE Study Guide*, as it provides insight into the knowledge and skills required and how to best prepare for the certification assessment.

Prerequisites

Prior to attending the Solution Design class, we require attendees to complete the Milestone Design Engineer training track.

Training Track information is available in the eLearning section of the *Milestone Partner Learning Portal*.

Cloud Labs

This training workshop is also available online! Contact your local Learning & Performance team for more information.

 2 days

[Schedule Class](#)


Milestone Technical Configuration Level 1

This three-day training workshop is designed to develop participant ability to install and configure moderately complex XProtect VMS installations.

The workshop consists of a series of hands-on exercises where learners practice configuring the XProtect Corporate VMS to specifications from realistic scenarios. Step-by-step instructions and a professional facilitator guide the learners as they configure systems according to sample specifications.

A final project allows learners to practice and demonstrate their skills in a more independent environment, but with continued support from the facilitator.

Participants leave with a detailed sequential checklist and annotated notes to help transfer their knowledge to the field.

View the Milestone Technical Configuration Level 1 training workshop agenda here. 

Target Audience

Field technicians who are responsible for installing and configuring Milestone's VMS product line of video surveillance systems.

Content Areas Covered

- Configure the Network and Server
- Install Milestone XProtect VMS Components
- Configure the Recording and Storage Settings
- Add Devices to the Recording Server
- Configure cameras
- Rules introduction
- Create Profiles
- Configure and use events
- Configure a Smart Wall
- Set Security
- Set Options
- Define alarms
- System monitoring
- Configure Mobile Server
- Milestone Interconnect

This training workshop is not required prior to taking the Milestone Certified Integration Technician (MCIT) online certification assessment but is recommended as preparation.

*For learners looking to earn the MCIT online assessment after attending class, we recommend first reviewing the *MCIT Study Guide*, as it provides insight into the knowledge and skills required and how to best prepare for the certification assessment.

Prerequisites

Participants should have fundamental knowledge and skills with cameras, networks, and storage devices, as well as with installing and configuring the XProtect Smart Client. To be successful in this workshop, you should first complete the following:

1. Milestone Technical Configuration Level 1 Pre-workshop orientation
2. Milestone Integration Technician training track

Training Track information is available in the eLearning section of the *Milestone Partner Learning Portal*.

Cloud Labs

This training workshop is also available online! Contact your local Learning & Performance team for more information.


 3 days

[Schedule Class](#)

Milestone Technical Configuration Level 2

This three-day online instructor-led training is designed to develop a participant's ability to install and configure complex XProtect VMS installations. This training will also help prepare them for the Milestone Certified Installation Engineer (MCIE) certificate, which is not included in this class. This class takes participants through scenarios that includes a full deployment of XProtect® Corporate VMS across a distributed multi-site domain network for better practical understanding.

Participants will deploy a distributed, XProtect Corporate VMS installation by completing hands-on lab exercises. They will be introduced to various tools and techniques that streamline deployment, help automate tasks, and enable them to perform more advanced configuration and maintenance tasks.

View the Milestone Technical Configuration Level 2 workshop agenda here. 

Target Audience

Milestone Certified Integration Technicians responsible for installing and configuring advanced features of Milestone XProtect VMS for high-complexity surveillance systems.

Very important! Please note

An active MCIT certification is required to attend this class.

Content Areas Covered

- Working with domains, domain trusts, and Active Directory users and groups
- Configuring Management Server and Recording Server failover
- Streamlining installation across a distributed network
- Performing advanced device management and maintenance
- Configuring advanced role-based security
- Configuring advanced system behaviors and complex rules
- Working with Milestone Interconnect and Milestone Federated Architecture

This training workshop is not required prior to taking the Milestone Certified Integration Engineer (MCIE) online certification assessment but is recommended as preparation.

*For learners looking to earn the MCIE online assessment after attending class, we recommend first reviewing the *MCIE Study Guide*, as it provides insight into the knowledge and skills required and how to best prepare for the certification assessment.

This training workshop is available in-person or online! Contact your local Learning & Performance team for more information.

Online Technical Requirements

- Internet access
- 1Mbit/s available download and upload bandwidth
- Internet latency of 900 or less (700 or less is recommended)

- Headset or speakers (microphone not required)
- 17-inch monitor or larger
- Internet browser

 3 days

[**Schedule Class**](#)

Smart Client Skills

This two-day online instructor-led training introduces Operators, Investigators, and Supervisors to XProtect® Smart Client in realistic scenarios. The workshop consists of a series of hands-on exercises where learners practice viewing live video, searching and exporting recorded video, and configuring XProtect Smart Client.

Participants will use XProtect Smart Client to monitor sites and customize views to fit their needs. Step-by-step instructions and a professional facilitator guide the learners as they explore the features they would use in their roles as operator, investigator, and supervisor.

View the Smart Client Skills workshop agenda here. 

Target Audience

Operators responsible for viewing live video. Investigators searching, reviewing, and exporting recorded video. Supervisors responsible for configuring Smart Client views.

Prerequisites:

No prior knowledge of Smart Client is required.

Content Areas Covered

- Signing in to XProtect Smart Client
- Working with cameras and views
- Lifting privacy masks
- Monitoring a site with maps and alarms
- Using Smart map to monitor multiple sites
- Searching and exporting recorded video
- Exporting from multiple cameras
- Creating and managing views and view groups
- Setting up advanced views
- Creating Smart Maps

This training workshop is available in-person or online! Contact your local Learning & Performance team for more information.

Online Technical Requirements

- Internet access
- 1Mbit/s available download and upload bandwidth
- Internet latency of 900 or less (700 or less is recommended)
- Headset or speakers (microphone not required)
- 17-inch monitor or larger
- Internet browser

 2 days

Schedule Class

Certifications

Earning a Milestone certification proves expertise with our products and is a promise to end-customers of the certificate holder's ability to design, install, and configure surveillance solutions that meet their needs. Certifications are also required to progress in the Milestone Partner Program.

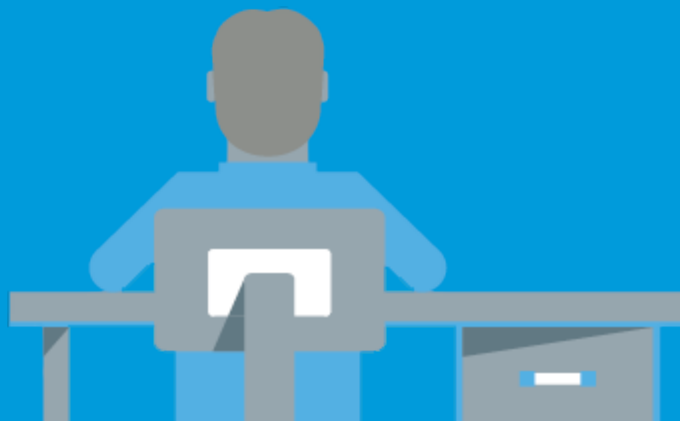
Our online certification assessments are available 24/7 from your computer or tablet and are available in several languages. Each certification is valid for two years. Partners can register for and complete the online certification assessments on the Partner Learning Portal.

We also have several tools available to help prepare for the online certification assessments, including instructor-led training workshops, free eLearning courses, white papers, and Study Guides. These tools are available to anyone who is interested in becoming Milestone certified.

Upon successfully passing a certification assessment, a diploma is made available in the learner's online profile. The diplomas are printable and can be accessed when logged into the Partner Learning Portal.

In addition, after successfully passing a certification assessment, a "badge" is made available in the learner's online profile. These "badges" can be exported and added to the learner's Outlook email signature and LinkedIn profile.

Our certification assessments are available in the following languages: English, Spanish, Italian, German, French, Brazilian Portuguese, Dutch, Russian, Turkish, Japanese, and Korean.



Milestone Certified Design Engineer (MCDE)

Milestone solution designers define surveillance objectives and document system and operator behaviors to support those objectives. Designers also select devices, products, components, networks, and storage products to include in the surveillance system. The Milestone Certified Design Engineer (MCDE) assessment tests your ability to perform these tasks.

*The MCDE is required for Advanced and Premier levels in the Partner Program.

Prerequisites

We do not require any certifications or classes prior to taking the MCDE assessment, but we do recommend reviewing the *MCDE Study Guide*. For those who are new to design, we also recommend attending the Milestone Solution Design training class when preparing to take the assessment, in addition to reviewing the MCDE Study Guide.



2h

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Milestone Certified Integration Technician (MCIT)

Milestone Integration Technicians install and configure moderately complex XProtect VMS installations with camera counts of 100-500 cameras. The Milestone Certified Integration Technician (MCIT) assessment tests your ability to perform this task.

*The MCIT is required for the Advanced and Premier levels in the *Partner Program*.

Prerequisites

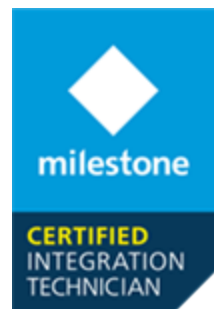
Learners are not required to attend any training classes or complete certifications prior to taking the MCIT assessment, but we do recommend reviewing the *MCIT Study Guide*.

For new installers, we also recommend attending the Milestone Technical Configuration Level 1 training workshop, in addition to reviewing the MCIT Study Guide.



2h

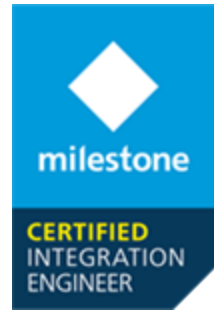
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Milestone Certified Integration Engineer (MCIE)

Milestone Integration Engineers install and configure complex XProtect VMS installations with a camera counts of approximately 100-10,000 cameras, multiple Management Servers, multiple Mobile Servers, edge storage, multicast, clustering, and other advanced configuration options. The Milestone Certified Integration Engineer (MCIE) assessment tests your ability to perform these tasks.

*The MCIE is required for the Premier level in the *Partner Program*.



Prerequisites

An individual must be a Milestone Certified Integration Technician to be eligible to take the MCIE assessment. An active MCIT certification is required to attend this class.

Learners are not required to attend any training classes prior to taking the MCIE assessment, but we do recommend reviewing the *MCIE Study Guide*. While it is not required, we recommend attending the Milestone Technical Configuration Level 2 training workshop before taking the assessment, in addition to reviewing the MCIE Study Guide.



Get Certified

Register today

The Milestone Learning Portal makes it easy to find what you need--whether it is an eLearning course, an upcoming training workshop in your area, or a certification assessment. the portal allows you to self-register, pay, and even complete certification assessments.

Visit the Milestone Learning & Performance home page for more information and to access the portal.

Be sure to review the "How to Use This Portal" guide when first using the portal. This guide is available on the portal's Home page, is available in several languages, and is a great tool for learning how to navigate the portal.

Contact Us

Milestone has team members all over the world available to assist you.

For questions regarding our Learning Portal and our Training and Certification program, please contact your region's Learning and Performance team.

Americas:

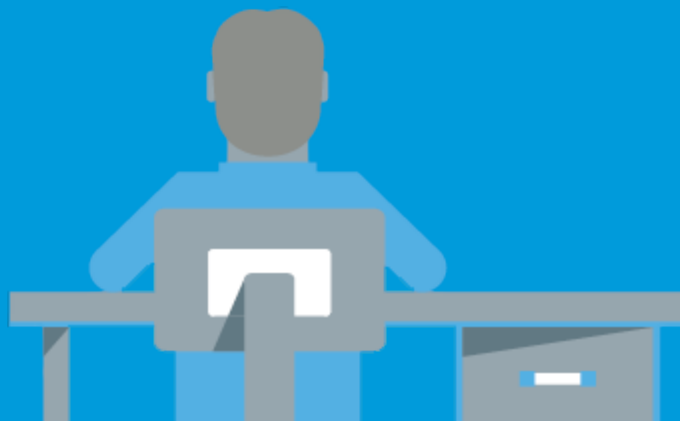
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