



Milestone Certified Integration Engineer (MCIE) Assessment

STUDY GUIDE

Milestone Learning & Performance

V1.4

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Overview

A Milestone Certified Integration Engineer (MCIE) should have the ability to install and configure multi-server, high-complexity video surveillance systems.

For Milestone to certify you have this knowledge and these skills, you must pass an MCIE assessment.

The MCIE assessment includes test items associated with any of the following tasks, concepts, and product features encountered in more complex VMS installations:

- Prepare the network and management servers for failover clustering
- Install management servers and configure failover cluster
- Install clients and recording servers
- Add hardware via scripting and configure recording server failover
- Perform advanced device configuration
- Utilize camera and server multicasting
- Unify primary and remote sites using Milestone Federated Architecture (MFA)
- Install components in a virtualized environment
- Implement advanced role-based security
- Create a Smart Client startup script
- Configure the Management Client
- Use a Milestone Open Network Bridge Server
- Configure camera edge recording with automated and rule-based retrieval
- Work with multiple Mobile servers with video stream limitations
- Perform actions with the Milestone Software Manager

Before taking the MCIE assessment, ensure you have the knowledge and skills to perform all tasks and steps listed above by consulting the list of resources in this document.

You are allowed to access any of these resources during the test. However, you have only two hours to complete the test, so it is recommended that you become very familiar with the content in the following list prior to taking the test.

eLearning

Enroll in the Integration Engineer learning path to take eLearning courses specific to this role.

To enroll:

1. On [Milestone Learning](#), access the [Role-Specific Learning Paths](#) webpage.
2. Scroll down to the **Integration Engineer** section and select **View Courses**.
3. On the [Deploying Multi-server, High-complexity XProtect Systems training track](#) webpage, select **Enroll** to be automatically enrolled in the individual eLearning courses.

Coursework

For additional help, take the instructor-led Milestone Technical Configuration 2 training class.

You can access upcoming Milestone Technical Configuration 2 training classes by following the link:

<https://learn.milestonesys.com/scheduledclasses>

To locate your class on the Upcoming Classes webpage:

1. In the Course drop-down list, select **Milestone Technical Configuration 2**.
2. In the Language drop-down list, select **your desired language**.
3. In the Country drop-down list, select **your desired country**.

Manuals and supporting documents

- [XProtect VMS administrator manual](#)
- [XProtect Mobile server administrator manual](#)
- [XProtect Smart Client user manual](#)
- [XProtect VMS hardening guide](#)
- [Milestone Software Manager administrator manual](#)
- [Milestone Open Network Bridge Manager administrator manual](#)
- [XProtect VMS system architecture document](#)

Milestone web resources

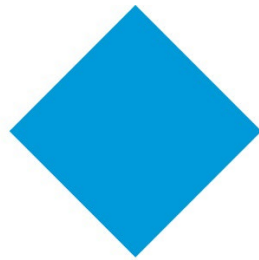
- [Milestone Documentation](#)

Other web resources

- [Microsoft Documentation - Commands by Server role](#)

Whitepapers

- [System Architecture Guide for IT Professionals](#)
- [Milestone Interconnect](#)
- [Edge Storage with flexible retrieval](#)



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