Milestone Certified Integration Engineer (MCIE) Assessment

STUDY GUIDE

Milestone Learning & Performance

v25

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Overview

Milestone Certified Integration Engineers (MCIE) install and configure complex XProtect VMS installations with a camera counts of 100-10,000 cameras. The Milestone Certified Integration Engineer assessment tests your knowledge and ability to perform tasks within the following XProtect VMS installation competencies: IT and Security Best Practices, XProtect Deployment Preparation and Installation, XProtect Configuration Settings and Behaviors, XProtect Expansion, Delivery, and Maintenance.

Specifically, 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 the following resources during the test. However, you have only two hours to complete the test, so it is recommended that you become familiar with the content in the following list prior to taking the certification.

eLearning

Completing eLearning courses specific to this role will enhance your ability as an Integration Engineer and knowledge to complete the certification.

To get started:

1. On Milestone Learning, access the Role-Specific Learning Paths webpage.
2. Scroll down to the **Integration Engineer** section and select **View Courses**.

3. To complete a course, select **Begin Course** at the bottom right corner of the course information box.

Coursework

For additional help, take the instructor-led Milestone Technical Configuration 2 training class. You can access the 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 Fundamentals
- XProtect VMS hardening guide
- XProtect VMS system architecture document
- Milestone Customer Dashboard user manual

Milestone web resources

- Milestone Documentation Main Page
- Milestone Tools and Architecture
- Milestone Knowledge Base

Whitepapers

- System Architecture Guide for IT Professionals
- XProtect Storage Architecture and Recommendations
- XProtect Key Topics

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