



# Milestone Video Surveillance (CCTV)

## Profile

- Video surveillance platform with high availability of the Milestone XProtect application

## Users

- A video surveillance activity relying on Milestone XProtect cannot be interrupted by an IT failure.

## Challenges

- Find a simple and robust solution for 24x7 availability of Milestone XProtect Management, Log, Event and SQL Server.

## Benefits

- Deploy the solution on two Windows servers or PCs.
- Replicate Milestone data in real-time and restart automatically the application in case of failure.

## Many partners deploy high availability of the Milestone video surveillance platform with SafeKit

### Video surveillance, a critical application

Milestone XProtect is a video management software that

- collects video from cameras
- records and stores that video to a storage device
- provides an interface to both view the live video, and access recorded video

The Milestone XProtect application is critical because,

- users monitor maps, live images, playbacks and health checks for each device
- critical events are displayed to allow the immediate reaction of users

### Hardware or software failures cannot stop the video surveillance

The operators relying on the Milestone XProtect application must react immediately to the slightest incident. The idea of an IT failure compromising the video surveillance and the operators' view is totally unthinkable.

Evidian SafeKit offers a redundancy solution to provide 24x7 availability of the Milestone XProtect application between 2 Windows servers or PCs, without external shared storage. It supports replication and failover of the management, log, event and SQL services (any edition). Failover of recording servers is already managed by Milestone XProtect.

Milestone partners choose the Evidian SafeKit high availability solution because it is currently the easiest product on the market to set up and deploy.

### A simple SafeKit mirror module customized for the Milestone application

Evidian SafeKit offers a pre-packaged module named milestone.safe. The solution is fully described in [this Milestone article on the Evidian web site](#) with a demo, a free trial and a step-by-step installation procedure.

SafeKit is an open product which can be configured for redundancy of other applications. [A list of pre-packaged modules is available on the Evidian web site](#). A new application can be easily configured starting from the generic mirror.safe module.

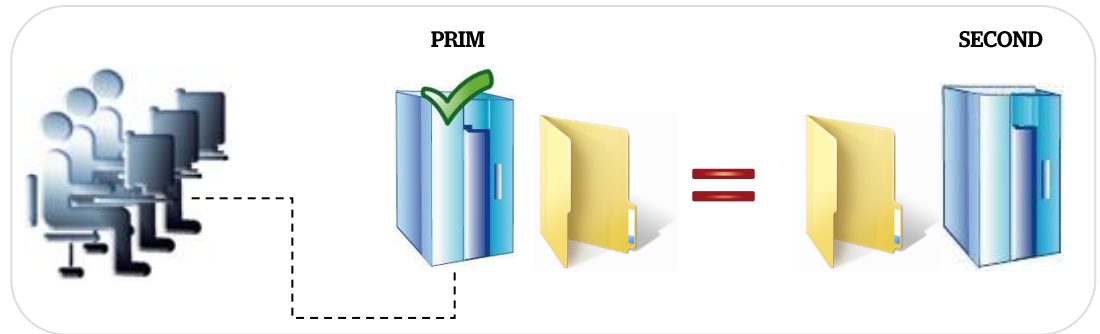
## Deployment of a SafeKit cluster for high availability of the Milestone XProtect platform

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*“SafeKit by Evidian is a professional solution making easy the redundancy of Milestone Management Server, Event Server, Log Server. The solution is easy to deploy, easy to maintain and can be added on existing installation. We have assisted integrators to deploy the solution on many projects such as city surveillance, data centers, stadiums and other critical infrastructures. SafeKit is a great product, and Evidian provides great support. Happy to help if you have any questions.”*

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**Sebastien Temoin,**  
**Technical and**  
**Innovation Director,**  
**NOEMIS.**



### **Phase 1. Normal status.**

Server 1 runs the Milestone and SQL application. SafeKit replicates on server 2, in real time over the network, the files opened by the application. Only the modifications made by the application are replicated, thereby limiting the traffic.

### **Phase 2. Switchover in case of failure.**

If server 1 fails, SafeKit makes a switchover to server 2. SafeKit switches the cluster's virtual IP address and starts the Milestone and SQL application on server 2. The application retrieves the replicated files: no write operation on disk is lost between server 1 and server 2.

### **Phase 3. Failure recovery.**

When server 1 is restarted, SafeKit re-synchronizes the files automatically. Only the files modified on server 2 when server 1 was inactive are resynchronized. Server 1 is resynchronized without stopping the Milestone and SQL application on server 2.



For more information: [www.evidian.com](http://www.evidian.com)

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