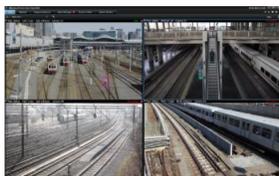


# Digital Archiving Infrastructure for Video Surveillance



Oracle's digital archiving infrastructure, which consists of Oracle Hierarchical Storage Manager (Oracle HSM) software with disk and digital tape hardware behind Milestone Systems XProtect video management software,

provides an efficient, high-performance storage architecture for digital video surveillance environments. Oracle HSM solutions are designed to maximize the value of digital video surveillance archives by increasing video retention times while simultaneously reducing storage costs.

## Meet Growing Requirements for Video Surveillance Archiving While Keeping Costs Down

Using XProtect software from Milestone Systems with Oracle HSM software combines best-in-class video management software (VMS) with a high-performance, cost-efficient, scalable digital video archiving solution. The solution provides you with a means to retain your video surveillance data longer while keeping up with increasing camera resolutions and frame rates—all while reducing your storage costs.

Traditionally, video surveillance data is kept on DVRs, NVRs, or NAS storage devices, resulting in high costs and relatively short retention times. By taking advantage of low-cost digital tape storage and advanced storage management software, Oracle can provide increased video retention times at lower cost in a solution that is easy to use.

## Combine Leading Video Management Software with a Leading Digital Archiving Solution

What is Milestone XProtect?

Milestone XProtect software is a worldwide market leader with more than 100,000 installations. It is a powerful IP VMS designed for large-scale, high-security deployments in any industry. Its single management interface enables efficient management of all connected cameras and security devices, regardless of the system size or distribution across multiple sites.

XProtect is easy-to-use, yet powerful, software that is designed with open architecture. This means that all XProtect products are compatible with more IP cameras and encoders than any other VMS manufacturer's products, giving you the freedom to mix and match hardware. And, you gain the ability to integrate with today's best analytics and business software solutions and to expand what is possible with future hardware and software innovations.



### KEY ADVANTAGES OF ORACLE'S DIGITAL VIDEO ARCHIVING SOLUTIONS

- Lower total cost of ownership than competitors' disk-only solutions
  - 48 percent lower TCO if 50 percent of video is on tape
  - 87 percent lower TCO if 90 percent of video is on tape
- Improved storage efficiency for digital video surveillance archives due to automated, policy-based data placement and migration between fast-access and slow-access/low-cost storage devices
- Massive scalability for both capacity and performance

### MILESTONE XPROTECT SOFTWARE FOR VIDEO SURVEILLANCE

#1 VMS (market share) with more than 100,000 installations

Open platform enables the use of multivendor system components (cameras, switches, routers, etc.)

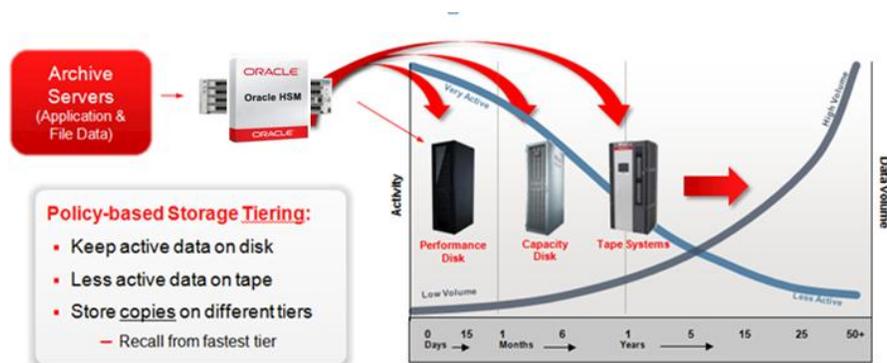
Cost-efficient solution for large video surveillance installations

## What is Oracle HSM?

Oracle HSM has been a leading digital archive solution for many years. It enables storage tiering, which gives you the freedom to choose how your data is stored while always keeping all of the data available for access by applications. Data can be kept on flash or disk storage devices for fast access or on digital tape for low-cost long-term archiving. Users have the flexibility to determine how much of their data they want on fast access storage and how much they want on low-cost storage, and they can tailor their systems based on their specific needs.

After the initial configuration of the system is completed and the data movement policies are defined, Oracle HSM provides seamless data management with a limited requirement for administrator interaction. Oracle also provides best-in-class servers, disk systems, and StorageTek digital tape storage systems. Oracle's digital archiving solution combines hardware and software to reduce risk through pretested and pretuned configurations.

The combination of software and hardware enables Oracle to deliver the simplest, most scalable, and lowest cost archiving solution in the market.



### Milestone XProtect's Prefetch Plug-In for Oracle HSM

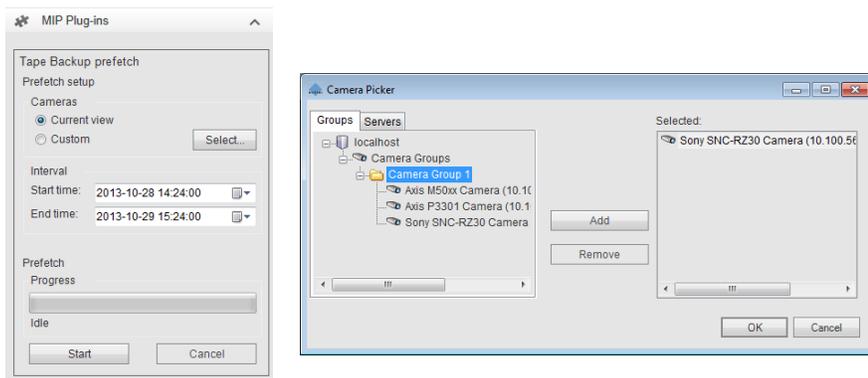
Milestone Systems' video prefetch plug-in gives you a simple way to stage data from digital tape using Oracle HSM software. This solves the problem of possible slow video retrieval times from digital tape in a tiered storage environment. When there is an event that you want to examine, you simply run a search using XProtect software and then specify the cameras and times of interest. Oracle HSM will determine where the requested files are stored within the system, and any files on digital tape are prestaged back to a disk cache for fast access. Files already located on the disk cache are simply read in the same manner they would be on a common NAS storage system.

This solution is unique in the market, and for the first time gives video surveillance users a simple way to archive video data for very long time periods at costs that are lower than their current disk-only storage systems.

### CONNECT WITH US

-  [blogs.oracle.com/oracle](https://blogs.oracle.com/oracle)
-  [facebook.com/oracle](https://facebook.com/oracle)
-  [twitter.com/oracle](https://twitter.com/oracle)
-  [oracle.com](https://oracle.com)

FOR MORE INFORMATION  
Contact: 1.800.ORACLE1



Prefetch Plug-In Screens

## Discover the Value of Oracle for Digital Video Surveillance Archiving

- » Increase surveillance video retention periods: Most users keep surveillance video for 30 days or less. This is done primarily because the cost of keeping video longer is prohibitive, or because their solution does not provide enough scalability to keep more data. With Oracle HSM, you can increase storage capacity simply by adding low-cost media and tape library capacity. This provides a massively scalable archive at a cost of pennies per GB.
- » Reduce storage costs: Higher resolution cameras and higher frame rates are increasing the amount of required storage. In most cases budgets cannot keep up with this growth. Having a simple and automatic way to store video on low-cost tape media while keeping it online at all times enables you not only to keep up with storage capacity growth but also to reduce the amount of money you spend on storage.
- » Enable storage consolidation: Storing data locally at many physical locations on individual DVRs or NAS storage devices is common. Oracle provides a software solution that enables video surveillance data to be collected at geographically separate locations and consolidated into a single archive. This enables data from many locations to be searched, viewed, and analyzed by a single application.
- » Secure retention and protection: It is vital that video is accessible at the time it needs to be retrieved. Oracle's solution keeps all video data online and available at all times, even when the data resides on digital tape for long-term storage. Oracle HSM also is the industry's leading end-to-end data integrity validation solution. This enables the archive to audit itself and self-heal if any files are found to be damaged, ensuring that the video is preserved and available when needed.

### CONTACT US

For more information about Oracle's storage solutions for digital archiving, visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.

For additional details on Milestone System's XProtect software, please visit <http://www.milestonesys.com/contact/> to find the appropriate representative in your region.

### CONNECT WITH US

-  [blogs.oracle.com/oracle](http://blogs.oracle.com/oracle)
-  [facebook.com/oracle](http://facebook.com/oracle)
-  [twitter.com/oracle](http://twitter.com/oracle)
-  [oracle.com](http://oracle.com)

FOR MORE INFORMATION  
Contact: 1.800.ORACLE1