

IBM and Milestone: Fast, efficient and secure digital video retention and retrieval



Improve performance, reduce costs and secure data with enhanced tape prefetch capabilities delivered by Milestone XProtect® with IBM® Spectrum Storage™

Highlights

- Leverage a fully tested, optimized, integrated and Milestone-certified solution to manage data growth and improve data economic
- Reduce archival footprint and reduce costs with IBM Spectrum Archive™ and IBM Spectrum Scale™ in combination with Milestone XProtect
- Realize exceptional performance with a unique tape prefetch capability
- Store high-resolution formats to improve perpetrator isolation and deliver high-quality evidence
- Deliver high scalability and storage media portability while reducing complexity

Data content continues to grow at an unprecedented rate. Numerous surveys and studies show that the number one issue impacting IT today is staying on top of ever-growing amounts of data. Keeping that data safe and secure is imperative because your business and customers depend on it.

In the digital video surveillance space, content is growing rapidly in size due to broader deployments and the adoption of higher resolution cameras with demands for more data intensive formats (such as HD, 4K, 8K, and 3D). Storage options for these digital files can be expensive and cumbersome, adding to overall costs that are already soaring to record levels.

Milestone Systems and IBM Storage have come together to deliver a high-performing, integrated solution which will address these data and storage challenges for digital video surveillance deployments. The smart approach is to utilize tape media in the storage tier for archival and retention purposes, and exploit the Milestone Tape Prefetch Service. This will help reduce costs and mitigate data security concerns while providing fast data streaming and high scalability to meet growing requirements. IBM Spectrum Storage delivers software-defined storage capabilities for this solution with IBM Spectrum Archive enabled by IBM Spectrum Scale.

Deliver efficient, secure, low-cost archival

IBM Spectrum Archive enables the automatic movement of infrequently accessed data from disk to tape, lowering costs while retaining ease of use. The functionality of IBM Spectrum Archive is provided by IBM Linear Tape File System™ (LTFS) technology. This open software specification enables new simple ways to access data on tape using a self-describing format.

With IBM Spectrum Archive, operating systems recognize tape as a file system, making the storage tier as easy to use as a memory stick. No traditional proprietary backup software is needed to write data to the tape media. When security is required, LTFS cartridges can be encrypted with no loss of performance as the data is written or read. The Milestone Tape Prefetch Service is optimized to work with IBM Spectrum Archive Enterprise Edition for higher performance recall of video.



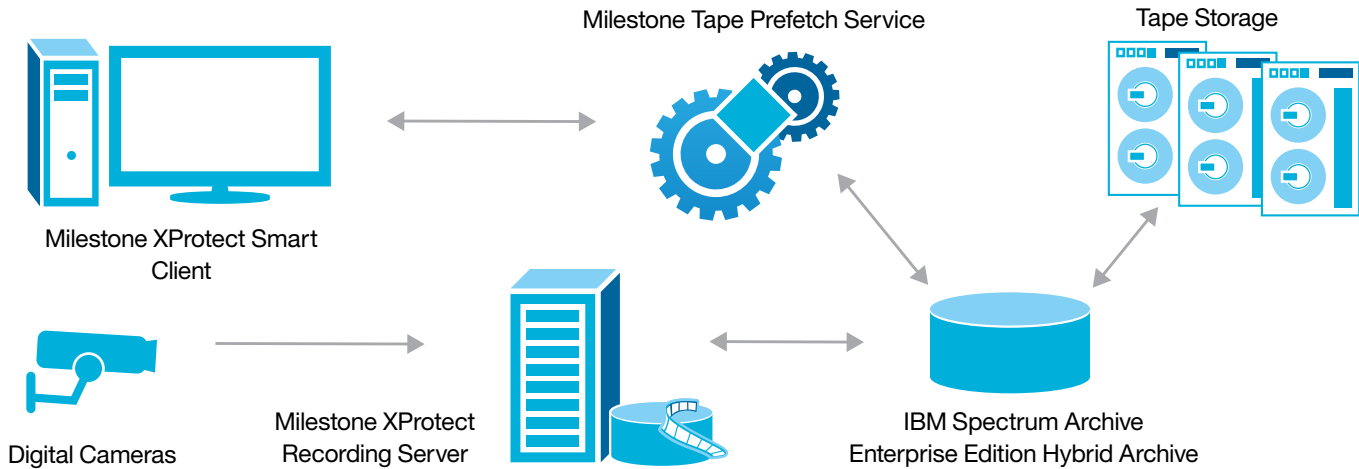


Figure 1: Leveraging enhanced, built-in tape prefetch capabilities, Milestone XProtect, in combination with IBM Spectrum Archive, helps improve performance, reduce costs and secure digital video files for retention and archival purposes. The IBM tape prefetch solution includes a smart client plug-in and a server-side service.

Milestone Systems XProtect IP video management

XProtect Corporate is powerful IP video management software designed for large-scale, multi-site installations. It is designed for installations demanding constant live access to video and situational awareness, and supports an unlimited number of cameras, users and sites.

Milestone's premium software for high-risk security installations includes Edge Storage support to help ensure critical video data is always captured. This capability, along with failover recording servers and redundant management servers, all combine to provide an extremely high-availability solution.

Why IBM

IBM combines decades of storage technology excellence, experience and expertise within the IP video surveillance industry. Our knowledge and partnerships help organizations unlock the value of data while optimizing data economics. IBM brings together comprehensive software defined storage and innovative storage systems to help you reduce the complexity and costs of your infrastructure and prepare for future environments.

For more information

To learn more about IBM Storage solutions, please contact your IBM representative or IBM Business Partner, or visit: ibm.com/storage.



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