SEAGATE

LYVE™
Cloud

SOLUTION BRIEF

Extend On-Premises Video Storage Capacity with Lyve Cloud and Tiger Surveillance Bridge

In Partnership With

Tiger Technology   **milestone | XProtect®**

Solution Summary

Seagate® Lyve™ Cloud and Tiger Surveillance Bridge along with Milestone XProtect provide businesses with the flexibility to extend local storage capacity and manage data in a multi-tiering environment—all without high expansion costs. This joint solution enables video management systems (VMS) to analyze recordings whenever needed, accessing data without compromising security or incurring additional charges for egress and API calls.

Benefits Summary

- Extend onsite VMS storage capacity without any change to existing hardware

- Increase the security of video data using protected cloud storage with the fastest possible disaster recovery

- Seamless integration of cloud-based storage for infinite scalability

- Secure data protection for data in flight or at rest

- No additional charges for cloud storage API calls or egress fees

Businesses with server-based video surveillance infrastructure must expand onsite hardware capacity to accommodate the increasing amount of video data generated from greater quantities of cameras and higher image resolutions.

Demand for video surveillance recording data is growing, putting a strain on existing server-based storage systems. This means enterprises must increase their VMS storage capacity or risk gaps in security and provable compliance. But technology upgrades are expensive, and most enterprises have already made heavy upfront investments in existing storage infrastructure. To minimize expanding costs, enterprises need a strategy that will optimize existing systems while accommodating continued growth.

Solution Approach

Migrating video data automatically between different storage devices and tiers is the most cost-efficient way to access video data. This is true whether that data is accessed frequently, occasionally for backup and restore, or rarely in an archive application. With this approach, users can manage video data and its life cycle effortlessly in the workflow.

Adopting a software bridge can increase capacity with existing hardware, enabling better management of onsite VMS as primary storage. Tiger Technology's Tiger Bridge easily connects to Lyve Cloud S3 storage as a service, which can then be used to support extended storage and offsite disaster recovery—all at an affordable and predictable cost.

Seagate Solution

Lyve Cloud delivers scalable storage as a service without cost-prohibitive extras. Users can seamlessly integrate Lyve Cloud's vendor-agnostic S3 interface with other applications for frictionless data management and activation. Without expensive charges for egress and API calls, Lyve Cloud's straightforward pricing structures brings predictable economics to monthly cloud storage costs at scale.

Partner Solution

Tiger Bridge software connects on-premises storage infrastructure to the cloud so enterprises can grow their storage capacity without an expensive infrastructure overhaul. This enables organizations of any size and scale to manage their digital assets on premises, in the public cloud, or with a hybrid model. This vendor-agnostic plug-and-play solution optimizes existing hardware investments while scaling up or down to meet customer needs.

XProtect's open platform architecture has fostered an ever-expanding community of camera manufacturers, application providers, and software developers, all working to create integrations and extensions to XProtect. Seagate provides the on-premise and cloud storage that is needed for XProtect. Building the video installation on XProtect gives the opportunity to leverage this community and its thousands of integrated solutions, so it can add additional value and capabilities to the system.

Total Solution

Lyve Cloud S3 storage works seamlessly with public and private cloud and onsite video surveillance infrastructure with existing VMS. Tiger Bridge is a software connector installed on the recording server. When Tiger Bridge is paired with Lyve Cloud and a VMS, data is seamlessly stored in tiers and can be moved transparently between primary and secondary storage.
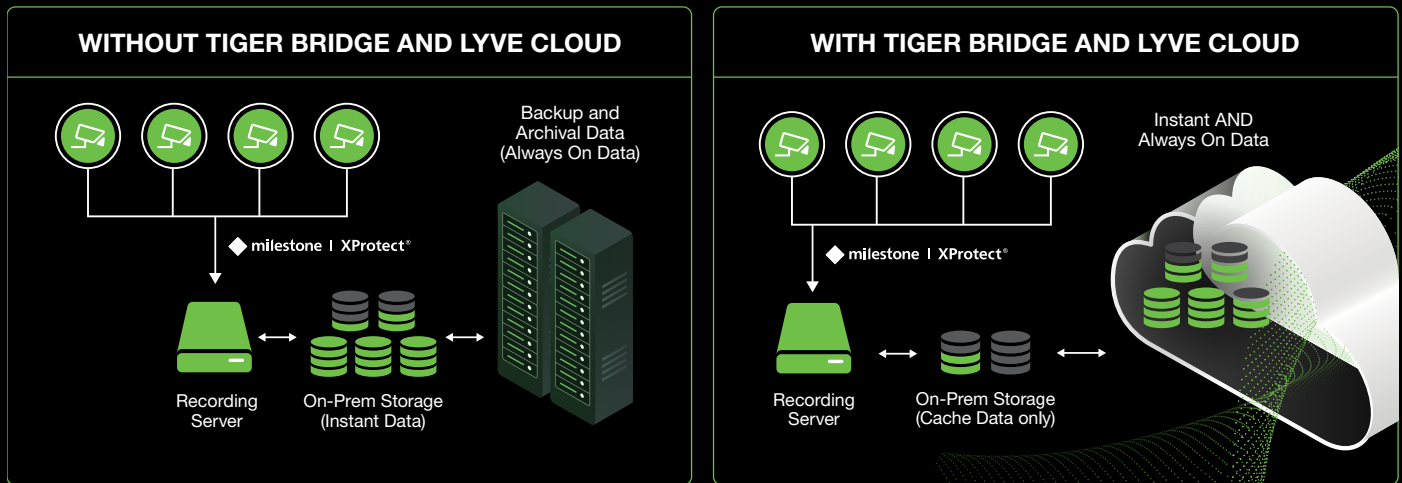
Cloud-Scale on-Premises Storage Capacity

Tiger Bridge enables seamless extension into Lyve Cloud while freeing local capacity. All data is first replicated to Lyve Cloud, with local stub files being created when needed. By using Lyve Cloud as a scale-out storage repository, the VMS never runs out of storage capacity.

Tiered Storage for Flexibility and Cost Effectiveness

With tiered storage, end users can manage data based on access priority. With Tiger Bridge, the most current recording is stored on-premises as cache recording for network outage backup purposes, while the original recording is simultaneously stored in Lyve Cloud. Long-term retention data for analytics and compliance purposes can be stored in Lyve Cloud at a lower cost compared to local storage alone. The VMS can automatically move data to different storage media as priorities change.

Uninterrupted and Smooth Retrieval of Data

The VMS continues to see all data like it would be stored locally when transferred to Lyve Cloud and, as such, has immediate access. Users experience smooth retrieval of recordings that are stored in Lyve Cloud.

Manage data to store on the primary server or Lyve Cloud

Total Solution

Cost-effective long-term storage

When Tiger Bridge's file management technology combines with Lyve Cloud, the cost of storing huge volumes of video archive data is much lower than with server-based storage alone. Lyve Cloud's pricing structure, with its predictable cloud economics, absence of egress fees, and no minimum lock-in period, helps businesses save significantly on public cloud storage when compared to other cloud service providers.

Seamless Integration

Data is moved transparently and efficiently between the primary and secondary tiers of storage for VMS. End users experience smooth data flows, as if everything runs from the local server.

Increased Resiliency and Security

Video recordings are protected against any internet or disaster interruptions. Real-time data stored on premises and backed up to Lyve Cloud can be synchronized immediately once internet connection is reestablished. For your backup and archive files, Lyve Cloud adheres to the most stringent, globally recognized data security standards with SOC 2 and ISO 27001 system certifications, multi-level encryption, and object immutability for anti-ransomware to ensure trusted protection against malicious attacks.

Additional Benefits

- Instantly access videos with always-on storage

- End-to-end encryption and support for object immutability and ransomware protection

- Proximity of data center for robust data performance
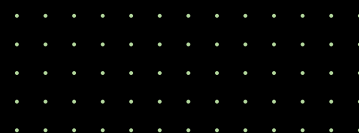
Conclusion

Tiger Technology's Bridge can connect any Windows-based VMS to Lyve Cloud within minutes, enabling unlimited storage and instant disaster recovery. With zero egress fees and no minimum lock-in period, Lyve Cloud is the ideal solution for video storage and analytics use cases.

Ready to Learn More?

For more information on Lyve Cloud, visit **www.seagate.com/lyvecloud**

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