LYVE™
Cloud

Use Case

CCTV SECURITY AND VIDEO SURVEILLANCE STORAGE

Deploy Hybrid or Hosted VSaaS with Lyve Cloud

Meet rising demand for video surveillance data and high-resolution video using a flexible storage-as-a-service solution with capacity-based pricing.

Benefits Summary

- **Better Analytics:** Storing more video data in a single repository delivers better analytics results when needed.

- **Scalability:** Store data from a few cameras to thousands of cameras and retain the data seamlessly and efficiently.

- **Flexibility:** Manage retention times for various video data and keep it for as long as it's needed.

- **System Integration:** Object storage as a service easily connects with cameras, VMS, and other S3-compatible software.

- **Interoperability:** Storing video in the cloud allows for easy connection to other cloud services such as artificial intelligence, point of sale systems, broadcasting, or evidence management.

- **On-Demand Access:** Retrieve live and recorded video from anywhere.

- **Distributed Regional Cloud:** Located at the metro edge where most video surveillance data is created for expedited data processing and clear data sovereignty.

- **Critical Video Data Protection:** Safeguard your critical data and manage evidentiary data with secure, end-to-end user access control and object immutability for regulatory compliance and ransomware protection.

- **Capacity-Based Pricing:** No extra fees for reads, writes, or deletion. Easily move large volumes at no extra cost.

Challenge Summary

As camera technology advances and demand for video surveillance data grows, customers are in search of reliable data management solutions for surveillance networks of all sizes. Specifically, they want solutions that will link cameras and camera data to their preferred websites, apps, and services—ones that will allow for the use of video analytics and deep learning to drive better business outcomes. They want limitless scalability for growing stores of video and analytics data. With video data policies requiring long-term retention, customers need solutions that can support fast access and retrieval of video data from anywhere at any time.

Solution Summary

Seagate® Lyve™ Cloud delivers a complete solution for hybrid or hosted video surveillance as a service (VSaaS), working seamlessly with video management systems (VMS) to enable real-time backup and scalable, long-term data retention.

DEPLOY HYBRID OR HOSTED VSAAS WITH LYVE CLOUD | 1 |

Introduction

Customers need alternative storage options for their VMS. They need solutions that can sustain data durability, maintain consistent performance, support trusted security features, and scale as needed. To address these requirements, today's surveillance solution providers are turning to S3 cloud storage.

Adopting a cloud-based VSaaS will enable enterprises to gain a competitive edge. There are two types of VSaaS that enterprises can deploy:

- **Hybrid VSaaS:** On-premises networks leverage the cloud for backup and scalable long-term retention. Customers can decrease operational burdens associated with maintaining physical storage and bypass upgrade costs.

- **Hosted VSaaS:** On-premises video cameras store data to the cloud through a bridge appliance. This approach equips providers to offer an endpoint-to-cloud management package to customers.

Whether an organization chooses hybrid or hosted VSaaS, a robust storage system will be needed to support simple storage and guaranteed retrieval of critical video data while. Further, this storage system must safeguard data with stringent security measures while enabling analytics to drive business value at predictable costs.

Lyve Cloud for Hybrid and Hosted VSaaS

When deployed as VSaaS, Lyve Cloud complements existing onsite VMS to address retention challenges or establish an entirely cloud-based solution as a service.
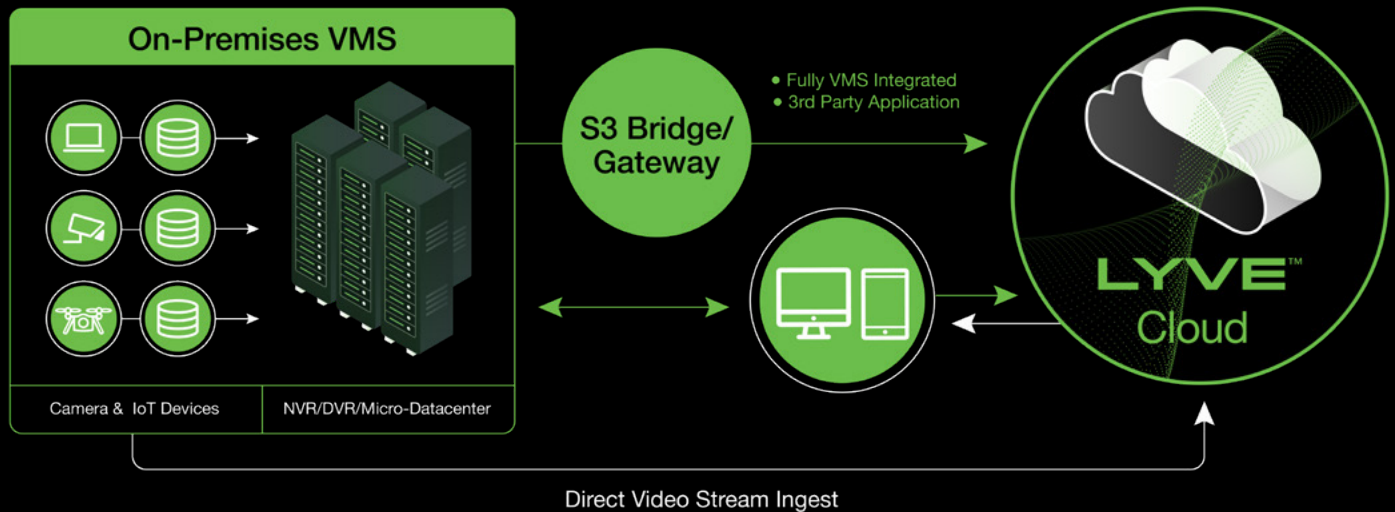
Object immutability and audit logs help enterprises meet compliance and regulatory requirements with ease while safeguarding video data backups and archives from ransomware with enterprise-grade identity management support, automatic data replication, and data encryption. Customers pay only for the storage they use. There are no extra fees for storing, retrieving, or analyzing video surveillance data, enabling cost-effective implementations.
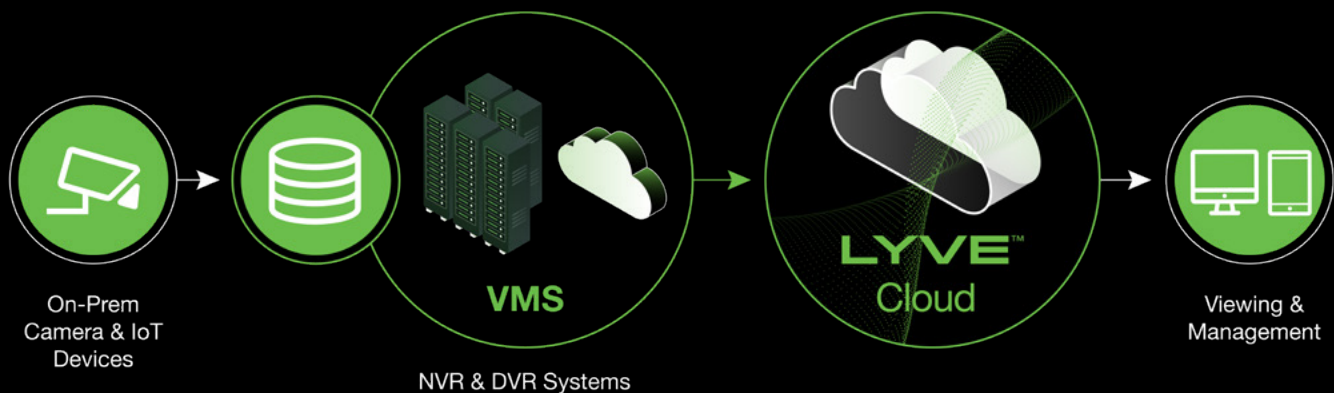
Hybrid VSaaS

Lyve Cloud connects seamlessly with VMS, on-premises infrastructure, and both public and private clouds. Customers can choose to send video surveillance data collected onsite over S3 to Lyve Cloud after a specified duration of time. Lyve Cloud's flexible, monthly, pay-for-use model enables customers to select the best solution for their business. Simple to scale and manage, hybrid VSaaS is often a good fit for commercial use and enterprises of all sizes.

Scale Your VMS Storage Long Term Data Retention and Backup

On-Premises VMS

Camera & IoT Devices | NVR/DVR/Micro-Datacenter

S3 Bridge/ Gateway

• Fully VMS Integrated
• 3rd Party Application

LYVE™ Cloud

Direct Video Stream Ingest

Hosted VSaaS

Lyve Cloud's edge-to-cloud, S3-compatible data pipeline empowers seamless interconnectivity and interoperability for every stage of data flow. VSaaS providers can establish an entire cloud-based solution in which video footage is stored and accessed directly on Lyve Cloud. Data processing and camera deployment can be administered through VMS connected to Lyve Cloud. Customers with modest deployments in industries with fewer total cameras can also take advantage of this streamlined deployment model.

On-Prem Camera & IoT Devices

VMS

NVR & DVR Systems

LYVE™ Cloud

Viewing & Management

Conclusion

Today's CCTV security and video surveillance systems are designed to scale for increased camera count, higher retention requirements, and evolving equipment and surveillance technologies. Lyve Cloud provides an ideal platform for the demands of video surveillance, with capabilities to retain and manage high-resolution video, provide high throughput, and offer elastic scalability. This allows better video data analytics for better security, but also enables other use cases—such as traffic motion control, manufacturing line and quality control systems, building and improving autonomous vehicles, etc.

Lyve Cloud: simple, trusted, and efficient VMS S3 storage.

System Benefits

- Full S3 compatibility
- Flat, predictable pricing
- No cloud lock-in or egress fees
- VMS storage, backup, and archive in one repository
- Never obsolete: simple and scalable workflow integration and management
- Data availability for frictionless retrieval of video and image data when it's needed
- High availability, security, and data durability
- Fast data ingestion
- Object Immutability for regulatory compliance and ransomware protection

Ready to Learn More?

Visit **www.seagate.com/lyvecloud**

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