Lyve Cloud for Video and Analytics Storage

Challenge Summary

- As camera technology improves and demand for video surveillance data grows, customers need reliable data management solutions regardless of the size of their surveillance network.

- Integrators need to be able to link cameras and camera data to their own website, apps or service.

- Customers need to be able to see their video from anywhere at any time.

- Renewed video data policies require long-term retention.

- The adoption for video analytics and deep learning to drive business decisions is increasing in all sectors.

Benefits Summary

- **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:** Retrieving live and recorded video from anywhere using standard HTML5 technology.

- **Flexibility:** Manage camera retention times for varying video data.

- **Scalability:** Store data from a few to thousands of cameras, and retain the data efficiently for as long as you need.

- **Seamless System Integration:** S3-compatible Object Storage as a Service seamlessly connects with cameras, VMS, and other S3-compatible software.

- **Distributed Regional Cloud:** Metro Edge places data closer to end-users to help minimize distance to storage, expedite data processing, and provide for clear data sovereignty.

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

- **Simple and Predictable Pricing:** One price based on capacity of videos. No extra fees to read or write. Easily move large volumes without paying additional fees (egress costs).

Customers are looking for alternative storage options as demand for surveillance video data continues to change and grow. They need a solution that can sustain data durability, maintain consistent performance, support trusted security features, and scale as needed.

To address those requirements, today's surveillance solution providers recognize Cloud as a viable opportunity. Businesses are increasingly adopting the cloud-based solutions and services called Video Surveillance as a Service (VSaaS) to strengthen their position.

Hybrid VSaaS, where 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, where 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 hybrid or hosted VSaaS, robust storage systems must support simple storage and guaranteed retrieval of critical video data, and enable analytics to drive business value.

Solution Summary

Lyve Cloud supports the complete data management needs for hybrid and hosted VSaaS, working seamlessly with video management systems (VMS) to enable real-time backup and scalable, long-term data retention.
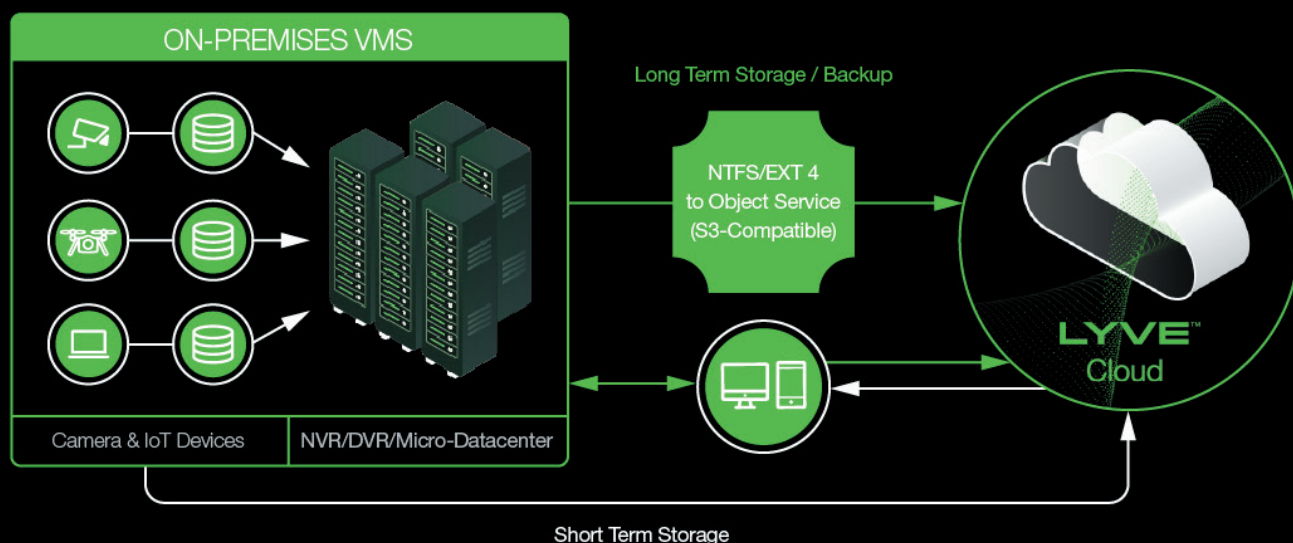
Seagate Solution

Lyve Cloud for Hybrid and Hosted VSaaS

When deployed as VSaaS, Lyve Cloud brings businesses the flexibility to complement existing on-site VMS for their retention challenges or establish an entirely cloud-based solution as a service.

With ransomware protection, enterprise-grade identity management support, automatic data replication, and data encryption, Lyve Cloud enables cost effective implementations for businesses.
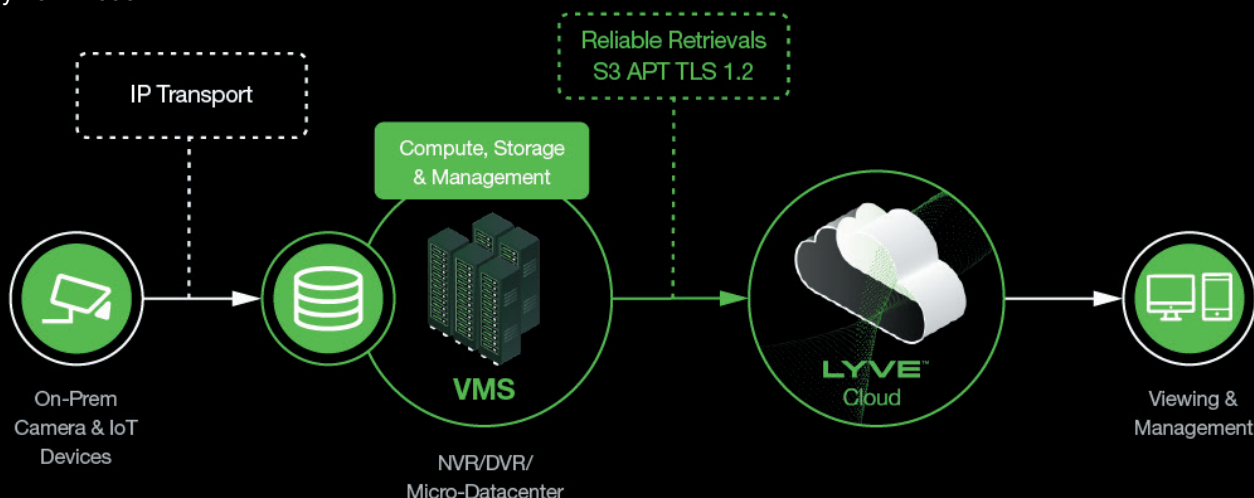
Hybrid VSaaS

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 small to medium enterprises.

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 where 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 such as retail, with fewer total cameras, can also take advantage of this streamlined deployment model.

System Benefits

- Full S3-Compatibility

- Flat predictable pricing

- No cloud lock-in or egress fees

- Open standard API

- Available in multiple regions

- Data availability for frictionless retrieval of video and image data when you need

- 11 nines of data durability

- Fast data ingestion

- Ransomware protection

Conclusion

Today's 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.

Lyve Cloud is simple, trusted and efficient - the proven cloud backup system optimized to work coherently with video surveillance.

Ready to Learn More?

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