Nutanix Unified Storage for Milestone Systems

A Reliable and Scalable Foundation for Video Surveillance

Security is top of mind with today's video surveillance solutions.. Effective video management with a robust storage underpinning have become critical components for security as well as other value-added benefits, such as traffic analysis and management.

To address these needs, Video Management Solutions (VMS), such as Milestone's offering, require a storage foundation that is scalable, reliable, and highly performant

Integrating Milestone VMS with Nutanix Unified Storage (NUS) revolutionizes video surveillance by delivering trusted data security and next-generation video analytics required by today's modern enterprises.

With Nutanix and Milestone, organizations can streamline their video surveillance environments, eliminate silos and accelerate business transformation.

Nutanix and Milestone Integrated Solution

By integrating with Milestone XProtect, Nutanix revolutionizes video surveillance by offering unmatched scalability, redundancy and high availability. Nutanix provides a single, unified platform to virtualize and run all aspects of the Milestone solution, including key recording, database and management server components.

Nutanix Unified Storage streamlines storage management while providing fast video retrieval and fault-tolerance. Whether archiving sensitive recordings or ensuring continuous surveillance, this solution empowers organizations to take control of their data while maximizing protection and performance.

This integrated solution uses Nutanix Files Storage as a secondary SMB storage tier for archiving video surveillance data. Users can easily retrieve and play back archived footage to review and analyze for compliance and monitoring.

Nutanix Files Storage and Milestone give customers the ability to start small and scale up in a very efficient manner. Start with a modest deployment for a few cameras and easily add nodes to the cluster as demand grows to accommodate more cameras and recording servers.

This joint solution provides a single interface to monitor and manage surveillance data and server components, making it easy to scale and maintain. The solution also supports integration with a wide range of antivirus solutions to safeguard against data compromise and potential security threats.

Key Considerations

Ensuring smooth integration with VMS and storage media is crucial to overcoming several challenges:

- **Simplicity**: Centrally manage storage with one-click automation. Reduce data fragmentation and video footage sprawl by consolidating with NUS.

- **Business continuity**: Ensure uninterrupted surveillance with native replication and enhanced protection against issues such as site failures, cluster failures or data unavailability with an integrated high-availability solution.

- **Superior user experience**: Users can easily retrieve and play back archived footage to review and analyze for compliance and monitoring.

- **Data protection and analytics**: Nutanix Data Lens proactively assesses and mitigates data security risks by identifying anomalous activity, including ransomware, auditing user behavior and adhering to compliance requirements. WORM capabilities provide further protection.

- **Scale with performance** – Start small and grow to multiple petabytes without compromising performance.
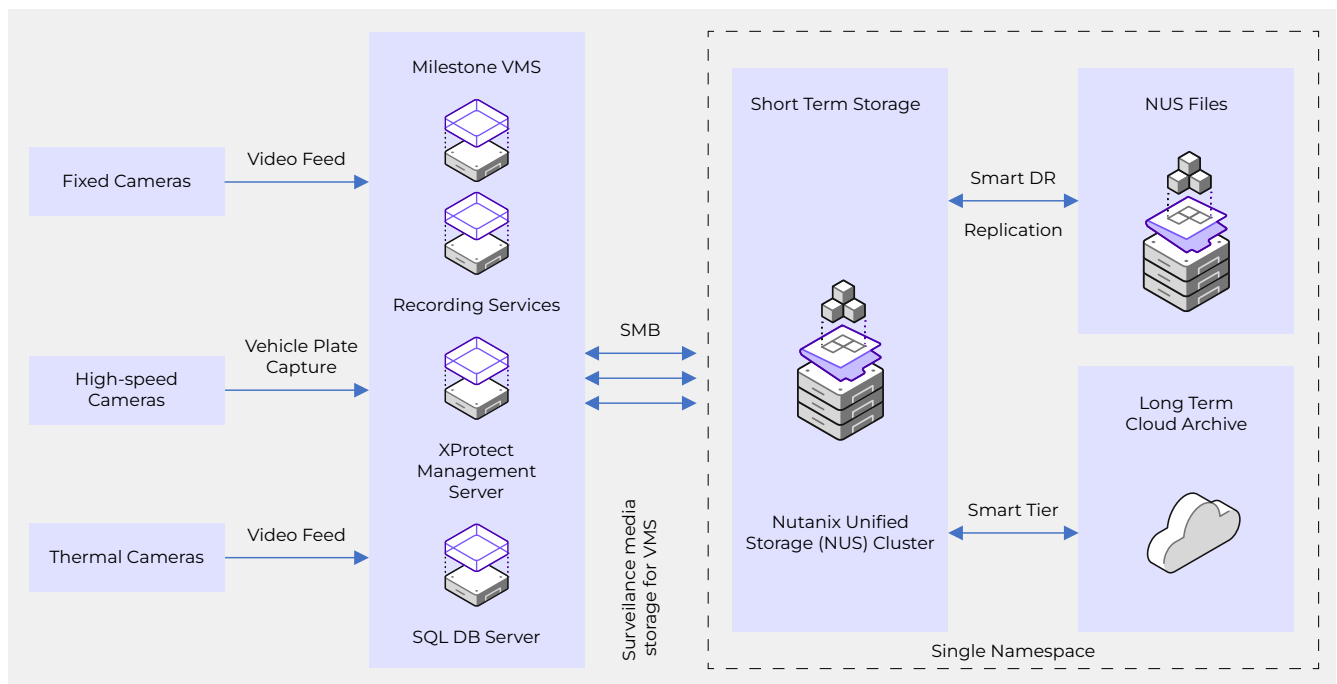
Long-Term Retention of Surveillance Data

For organizations requiring longer term retention of video data, the archived footage is stored for extended periods that adhere to customer-defined retention policies. The Nutanix Files Storage Smart Tier capability enables seamless tiering of data to S3-compatible object storage solutions on-premises and in the cloud to reduce costs.

About Milestone XProtect

Milestone XProtect, a leading VMS package, offers advanced video recording and playback, real-time monitoring and alerting, and support for multiple camera formats.

Its scalable and flexible architecture ensures seamless expansion and customization, making it ideal for robust video surveillance implementations of any size.

What to learn more?

As a global leader in cloud software, Nutanix offers a unified platform that seamlessly integrates infrastructure and management to enable smooth operations of data and apps across clouds. Our software-defined architecture adapts to various hardware and cloud options to provide consistent operations and data services across cloud, edge and core environments.

Learn more at www.nutanix.com.

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