Hybrid Cloud Storage for CCTV

Overview

Closed-circuit television (CCTV) cameras are ubiquitous in every type of business, including retail stores, manufacturing facilities, public transportation, stadiums, government buildings, energy production facilities, college campuses, roads and bridges, and more. The number of cameras can range from a few dozen to tens of thousands and produce terabytes to petabytes of surveillance video data daily. Due to legal, regulatory, or operational needs, this data may need to be retained for days, weeks, or even months, requiring even more storage.

This data is traditionally stored on very large and expensive Network-attached storage (NAS) or Direct Attached Storage (DAS), creating standalone storage silos that are hard to manage, protect, and retrieve for multiple locations. They are hard to scale, and the costs of supporting these infrastructures can go over budget quickly.

Nasuni brings a unique approach to solving this problem with a hybrid cloud storage platform.

Delivering high value for customers with CCTV

- 95% reduction of on-premises hardware

- 50% Reduction in hard cost

BJ's

centura

Infosys

NOVANT® HEALTH

OVERLAND PARK
K A N S A S
ABOVE AND BEYOND. BY DESIGN.

The City of
SAN DIEGO

Nasuni comes into focus

Nasuni is a hybrid cloud storage replacement for traditional CCTV NAS storage that uses standard file protocols like SMB and natively supports all major CCTV platforms. It includes intelligent edge caching that consolidates video data in easily expandable, highly durable cloud object storage such as Amazon S3, Azure Blob, and Google Cloud Storage at a fraction of the cost of on-premises or other cloud solutions. Nasuni also provides effortless scalability when adding new CCTV locations with a unified administrative experience across all locations.

Video Management System (VMS) compatible

Nasuni works with all VMS system that support SMB (CIFS), NFS, FTP/SFTP, and HTTPS file protocols.

No Capacity planning with unlimited, on-demand storage

Nasuni uses the scalability of cloud object storage to provide durable, unlimited capacity that can grow or shrink as needed. Replacing storage hardware with cloud storage solutions transforms capital expenditures into operational expenses, allowing you to only pay for what you use.

Ransomware detection and protection

The Nasuni Ransomware Protection service provides an integrated solution for protecting, detecting, and recovering from ransomware before it infects the entire environment.

Robust Security

Nasuni uses AES 256-bit encryption keys to encrypt video files stored on the Nasuni virtual appliances, intelligently caching locally before sending them to the cloud. Additionally, Nasuni has adopted the Secure Controls Framework (SCF) with controls mapped to NIST 800-53, CSA CCM, SOC2, and ISO 27001:13.

Unified management

Reduce dozens or hundreds of storage management points to a single management point, drastically reducing administrative overhead.

Unlimited backup and rapid restore

Nasuni Continuous File Versioning™ makes video file backups frequent and automatic with predictable RPOs and RTOs. IT can restore Millions of CCTV files in minutes.

Video File synchronization

With video files in Nasuni, file synchronization provides automated, no-maintenance access to video footage from other sites without the need to copy files.

Near-zero cloud latency

Nasuni virtual appliances are highly efficient and provide up to a 98 percent cache hit rate, providing fast access to video footage. These appliances also reduce video storage infrastructure footprint by up to 90 percent, lowering costs and eliminating administration time.

Nasuni is a fluid data platform for enterprises facing an explosion of unstructured data in an AI world, eliminating the choice between expensive tinkering or an overwhelming transformation of your entire data infrastructure.

The Nasuni File Data Platform delivers effortless scale in hybrid cloud environments, enables control at the network edge, and meets the modern enterprise expectation for protected, insight- and AI-ready data. It simplifies file data management while increasing access and performance.

Consolidate data, cut costs, and empower users — all while transforming your data from obstacle into opportunity.