

# Nasuni and Google Cloud for City and State Agencies

## Solve Closed-Circuit Television File Storage Challenges



### Overview

City and state agencies are capturing more video footage than ever before. With closed-circuit television (CCTV) cameras on trains and buses, at transit stations, parks, major intersections, and in various government buildings, including correctional facilities, the number of cameras any given agency has in operation can range from thousands to tens of thousands.

While this proliferation of video is invaluable for public safety, the video storage requirements are staggering. This issue is exacerbated by new cameras capturing at even higher resolutions. Considering the sheer amount of data storage required, data security requirements, and extended retention periods, the challenge becomes even more complex.

### Video Growth vs. Budget Limits

The prevalence of CCTV video drives data growth into the petabyte scale and beyond, which puts state and local agencies in an extremely difficult position. IT leaders must work within very strict budgetary constraints, while also balancing legal requirements to store and protect video data and make it accessible should the need arise. Some of the leading video surveillance systems offer storage options, but the high cost is often far beyond what budgets allow. Tape storage can be a less expensive alternative for long-term storage, but video retrieval times and offsite tape storage are less than ideal.

### Nasuni and Google Cloud for CCTV

The Nasuni File Data Platform consolidates any file data, including petabytes of video footage, in easily expandable, highly-durable Google Cloud object storage and does so at a fraction of the cost of on-premises storage or other cloud solutions. Built to scale, the cloud-native Nasuni platform replaces traditional network-attached storage (NAS) and file server infrastructure, eliminating the need for separate backup or disaster recovery solutions. Additionally, the Nasuni platform provides ransomware protection and recovery, file access for remote workers, and many other services and benefits, including the opportunity to leverage Google's advanced AI tools.

#### GOOGLE AI FOR CCTV

By moving video surveillance data to the cloud with Nasuni, agencies can take advantage of AI tools. Using Google Cloud AI Speech-to-Text, for example, correctional facilities can automatically generate conversation transcripts, then intelligently search for threatening or criminal keywords. Other capabilities, such as optical character recognition (OCR), handwriting recognition, and sentiment analysis, are easily accessible.

## The Solution

The Nasuni File Data Platform is a cloud-native replacement for traditional NAS and file server infrastructure, but with advanced capabilities including file storage, backup, ransomware protection, and file access for workers at remote locations.

Nasuni and Google Cloud is for city and state agencies that want to accelerate their digital transformation, secure their file data, respond to growth, and achieve greater data insights compared to other solutions on the market.

## Nasuni for Google Cloud

### Core Services

### Object Storage

### Edge Access



## File Data Services Designed for Google Cloud

**Unlimited File Storage**  
Nasuni uses the native scalability of cloud object storage to provide durable, protected capacity to any number of locations and users.

**Ransomware Detection and Protection**  
The Nasuni Ransomware Protection service provides a highly-effective and integrated solution for protecting, detecting, and recovering from ransomware at the edge before it infects an entire environment.

**Unlimited Backup and Rapid Restore**  
Nasuni Continuous File Versioning™ makes file backups frequent and automatic with predictable RPOs and RTOs. Millions of files can be restored in minutes to every location.

**File Synchronization**  
File synchronization provides automated, no-maintenance synchronization of millions of file changes per hour. The result is increased productivity for the whole organization without an expensive infrastructure investment.

**External Secure Access**  
Nasuni Access Anywhere delivers high-performance file access for remote and hybrid users and productivity tools that let them manage and share files from anywhere.

**Multi-Site Collaboration**  
The Multi-Site Collaboration service provides faster data propagation and reduced version conflict, increasing productivity across multiple locations for any size files.

**Mac, Windows, and Linux Support**  
Nasuni supports file access through standard SMB (CIFS), NFS, FTP/SFTP, and HTTPS file-sharing protocols. Nasuni supports Windows, Linux, and advanced support for extended macOS file attributes and metadata, enabling easy file sharing across all environments.

**Near-Zero Cloud Latency**  
Nasuni Edges are extremely efficient virtual appliances that provide up to a 98 percent cache hit rate, giving users and applications LAN-speed access to files. Nasuni Edges reduce the file storage infrastructure footprint by up to 90 percent, lowering costs and eliminating time spent managing local file servers.



### ABOUT NASUNI CORPORATION

Nasuni is a leading file data services company that helps organizations create a secure, file data cloud for digital transformation, global growth, and information insight. The Nasuni File Data Platform is a cloud-native suite of services offering user productivity, business continuity, data intelligence, cloud choice, and simplified global infrastructure. The platform and its add-on services replace traditional file infrastructure, including Network-Attached Storage (NAS), back-up, and DR, with a cloud-scale solution. By consolidating file data in easily expandable cloud object storage from Azure, AWS, Google Cloud, and others, Nasuni becomes the cloud-native replacement for traditional NAS and file server infrastructure. For more information, visit [www.nasuni.com](http://www.nasuni.com).