

# Wasabi Surveillance Cloud

In the surveillance world, video storage needs are growing rapidly due to the proliferation of cameras, increased retention requirements, and higher resolution recordings. This is why medium to large organizations in particular need to be aware of the storage burden they are taking on and how best to manage it. If the cost of storage exceeds the value realized by storing the video, it gets thrown away. Faced with expanding storage needs, leveraging on-site, centralized storage alone is simply inefficient. It's becoming complex, inefficient, and expensive.

Centralized storage requires perpetual maintenance such as managing software releases, patches, and bug fixes. It also requires capacity and performance planning, as well as technology refresh cycles. Increasingly, security organizations and businesses are beginning to adopt cloud storage as a way to reduce video storage complexity and costs. As they do so, one of the main obstacles that they face is converting the file-based format to a cloud object storage format. AWS's S3 API has quickly become the standard protocol for accessing cloud services. Many surveillance Video Management Software (VMS) applications, servers, and storage devices lack a native S3 API interface to cloud storage, leaving surveillance teams unable to access cloud storage services.

Wasabi Surveillance Cloud changes that. Wasabi Surveillance Cloud is a Windows application that runs on a Windows File Server and migrates video files from on-site recording servers to Wasabi cloud storage. Using Wasabi Surveillance Cloud Storage, organizations keep the storage features that their on-site storage offers without ever running out of capacity.

## Moving “Cold Video Files” to the Cloud

Upon its creation, video surveillance files are considered hot. Hot video files are active and are usually accessed by VMS, analytics and other applications. If video files haven't been accessed in the last 90 days, it cools very rapidly and the probability of it being accessed drops dramatically. 75 to 90 percent of video files are cold and consume primary storage capacity on-site. With Wasabi Surveillance Cloud, 80% or more of an organization's video files, on average, can be off-loaded from on-site storage to lower-cost Wasabi cloud storage, freeing up capacity for additional videos. When organizations use Wasabi

### Benefits of Wasabi Surveillance Cloud:

- Always have free space available
- Preserve current operations
- No more periodic equipment upgrades and data migration hassles
- No floor space required
- Far more reliable than most local storage
- Protection from ransomware
- Restore data from cloud if local drives fail or video is lost

Surveillance Cloud, they can set policies that determine which files automatically move to the cloud. This can be done when on-site storage capacity hits a specific limit or when files have not been accessed in a certain amount of time: i.e. “cold video.” Minimum retention time on-prem for video is 1 hour before being moved to the cloud but the average time organizations keep video local is 3-5 days.

## Cost Savings

Every terabyte of video removed from existing primary storage generates real savings by delaying the substantial cost of adding additional on-site storage. This includes not just the cost of the hardware, but also the licensing and maintenance costs, network costs, energy costs, and datacenter costs.

Wasabi Surveillance Cloud takes the stress out of storage management. It offers organizations the availability, capacity, durability, performance, and scalability that they want storage to enable for their data and their video assets. It simultaneously removes all the hidden costs and overlooked time associated with managing it.

## Simple to Use. No Disruption. Access Video as Usual.

The Wasabi Surveillance Cloud solution is hands-free and automatic. It requires minimal effort from administrators and has no impact on users and applications. Video migration to the cloud is performed seamlessly and automatically based on the storage policy you define. During the process, video always remains available while capacity is freed on the primary and secondary recording servers. Users and applications still access the off-loaded video in the same manner as when it was onsite; via the same source, same directory, and in the same way—even in the cloud. All video stored in the Wasabi cloud is considered “hot” and is readily available.

## How It Works

Wasabi Surveillance Cloud installs on a Microsoft Windows® server in five minutes without rebooting and immediately optimizes your storage and protects your video. There is no client software needed on end user devices. Video files moved to the cloud are replaced with zero-byte stub files in the NTFS file system. These stub files are placeholders that allow applications to function normally, as if the video exists in its original location.



## Protects from Ransomware, Accidental Loss

Users can enable the disaster recovery feature of Wasabi Surveillance Cloud making a direct 1 to 1 copy of the video file, now having one copy local and one in the cloud. Additionally, Wasabi Surveillance Cloud can be “immutable,” meaning that the video stored in the Wasabi cloud cannot be modified or erased. Ransomware can attack local, on-site files but cannot attack the cloud copies. Nobody can accidentally or maliciously destroy the video that is stored using Wasabi Surveillance Cloud and immutable buckets.

## Disaster-proof your file storage

If the local, on-premises storage fails, the replacement hardware can be repopulated with file stubs from the cloud within minutes. There is no need to wait for all files to be restored. Users and applications can start accessing their video almost immediately.

## Summary

Wasabi Surveillance Cloud provides organizations the ability to offload infrequently accessed video from their on-site servers, but still keep it available and retrievable within milliseconds. Offloading video frees up on-site capacity effectively making it “bottomless.” No client software is needed on end user devices. All files are visible from the primary storage, appearing to reside on-site regardless of whether they have been offloaded to the cloud. All video in the Wasabi cloud retains its original meta-data properties including creation and access times, ownership, content, protection and security. It is simple to use and easy to understand.

## System Requirements

You can install Wasabi Surveillance Cloud on a computer that meets these minimum system requirements:

- 64-bit Microsoft Windows® 7/Server 2008 R2/Windows® 8/Server 2012/Server 2012 R2/Windows® 10/Server 2016/Server 2019/Server 2022
- Important: Microsoft Windows® 7/Server 2008 R2 computers must run at least Service Pack 1 and have the KB976932 and the KB3033929 security updates installed.
- 4 GB of physical RAM (at least)
- 100 MB of available hard-disk space for installation (at least)
- [Microsoft .NET 4.8 Framework](#) needs to be installed

### ABOUT WASABI

Wasabi provides simple, predictable and affordable hot cloud storage for businesses all over the world. It enables organizations to store and instantly access an unlimited amount of data at 1/5th the price of the competition with no complex tiers or unpredictable egress fees. Trusted by tens of thousands of customers worldwide, Wasabi has been recognized as one of technology's fastest-growing and most visionary companies. Created by Carbonite co-founders and cloud storage pioneers David Friend and Jeff Flowers, Wasabi is a privately held company based in Boston. Wasabi is a Proud Partner of the Boston Red Sox, and the Official Cloud Storage Partner of Liverpool Football Club and the Boston Bruins.

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