Synology®

Business Solution Guide 2025

Protecting the data that powers your business

Contents

About Synology

We believe professional solutions should be available to companies and teams of all sizes.

For more than two decades, we have helped our customers excel at what they do by creating innovative hardware and software solutions to overcome data management and security challenges.

Each Synology product is designed for maximum simplicity, flexibility, and reliability. Engineered to last and with a best-in-class operating system, it's easy to see why millions of users rely on Synology daily.

13 M+
Synology systems shipped to date

1 M+
Businesses using Synology solutions

More than half of Fortune 500 companies rely on Synology solutions

TOYOTA

SHISEIDO

Unilever

Jetstar

BBC MEDIA ACTION
TRANSFORMING LIVES THROUGH MEDIA AROUND THE WORLD

Holiday Inn

chausson
MATÉRIAUX

UNESCO

NH Foods

LOTTE WORLD

Jan De Nul
GROUP

SBS

Synology Business Solutions

	Data Storage and Management	Data Protection	Business Productivity	Video Surveillance

Object   **File**   **Block**

On-prem Solutions

GS Series

Distributed storage platform
Non-disruptive architecture with linear performance scaling

On-prem file and object storage

Upcoming

High-performance NAS/SAN platform
Designed for mission-critical workloads

Next-gen operating system

DP Series

Business continuity platform
Protect organizations of any scale with ease

ActiveProtect Manager

DS/RS/SA/HD/FS Series

Versatile IT platform
Data storage and management solutions for businesses

Synology Drive   Hybrid Share

Active Backup Suite

Synology Office Suite

Surveillance Station

AI NVR & Camera Series

Actionable insights platform
Private AI-powered security

Surveillance Station with AI Analytics

Platform Services

C2 Object Storage
S3-compatible Storage

C2 Storage
Cloud Tiering & Backup

Active Insight
Monitoring & AIOps

C2 Backup
Infrastructure & SaaS Protection

C2 Identity
Identity & Access Management

C2 Transfer
Secure File Transfers

C2 Backup for Surveillance
Secure Dual Recording

C2 Surveillance Station
Cloud-managed Surveillance

Data Storage and Management

AI and the push for more efficient digitization are increasing data storage requirements exponentially, with an equal push for greater privacy and security.

Edge to Datacenter to Cloud

Synology's storage solutions combine the security and privacy of on-premises solutions with the ease of use and expandability of public cloud solutions.

Efficiency

Deploy solutions quickly and with confidence. Ensure resources are properly allocated with fast and easy-to-manage Synology systems.

Scalability

Respond to new demands quickly with cloud and on-prem scalability options, optimized for multi-site and multinational businesses.

Transparency

Get comprehensive insight into usage and security statistics automatically, reducing the time and training required.
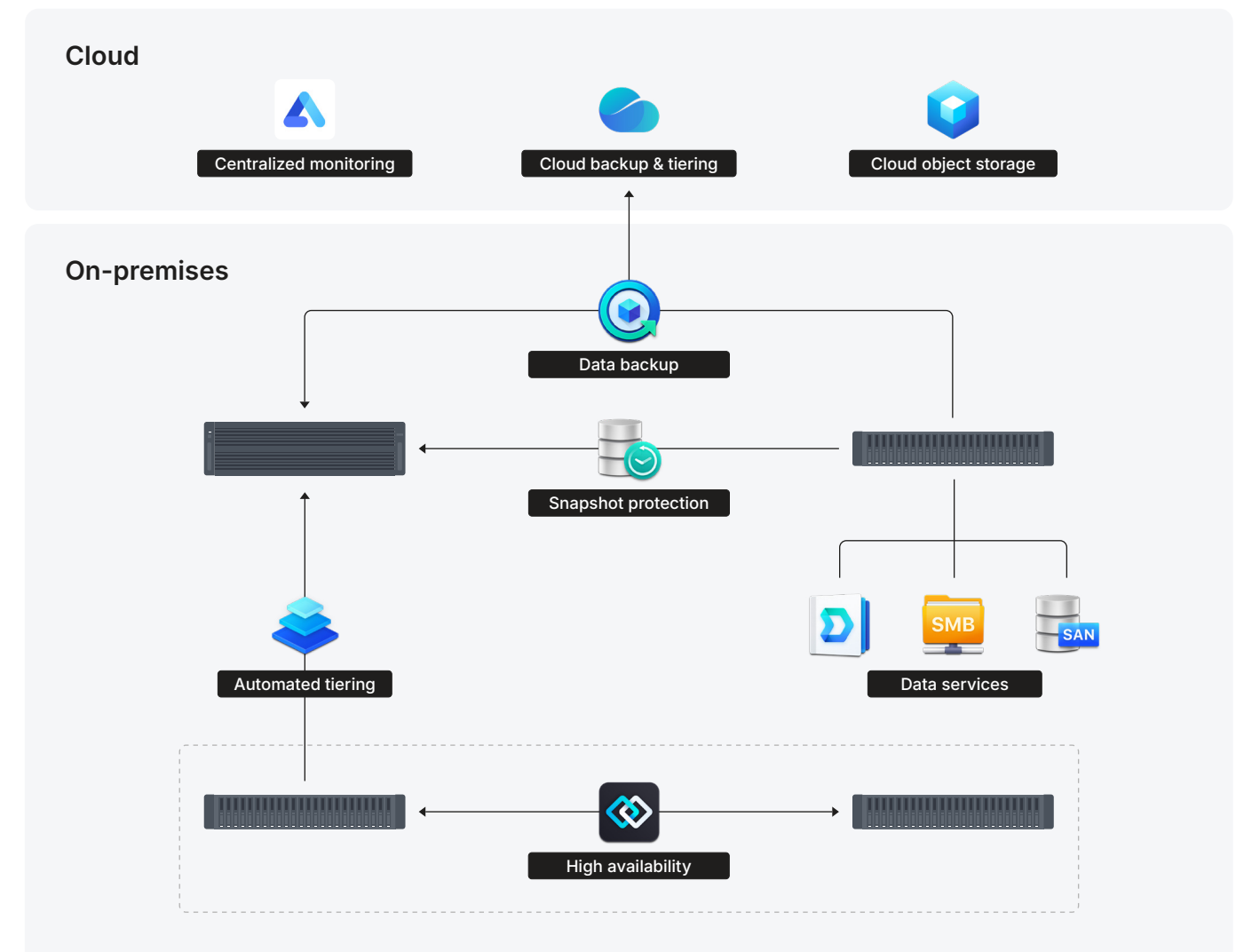
File Storage

Performant and market-proven file storage solutions that ensure data accessibility and security from edge to data centers.

Universal support

SMB, NFS, and common networked file protocols ensure widespread platform and application support.

- SMB 3 with multichannel
- NFS 4.1 with multipathing

Connect all teams with Hybrid Share

Keep important data accessible for all teams at all times, no matter where they're at.

- Efficient multi-site synchronization & file locking
- Local caching and support for pinning
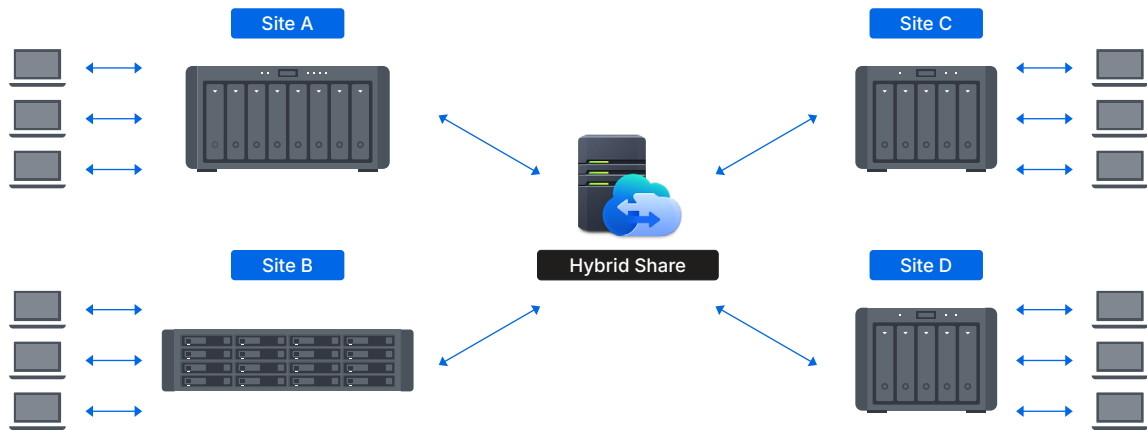
Access from anywhere

Create, find, and be able to share files across your organization from anywhere.

- Granular sharing and data loss prevention
- On-demand sync for desktop and mobile endpoints
- Create office documents with seamless collaboration

Concurrent users

Up to	Up to
20,000 Per system[1]	**150,000** Per cluster[2]
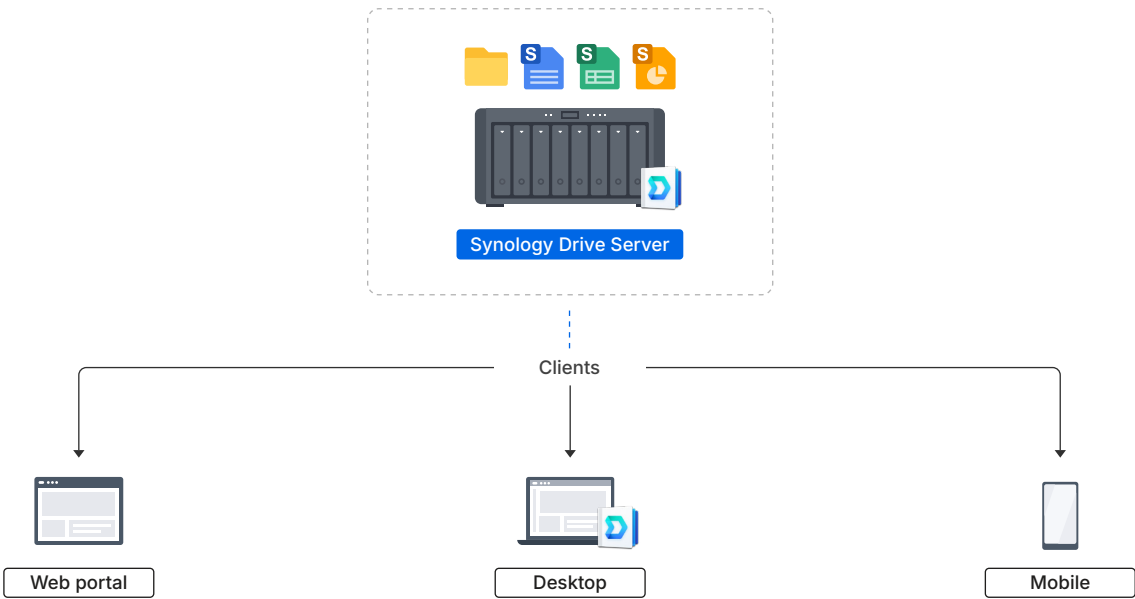
1. Based on SA6400 with expanded memory.
2. Based on preliminary test results for a cluster comprised of GS Series systems.

"Thanks to Hybrid Share, I'm not limited to local talent, but can stand out and look for talent globally. That solves a lot of problems."

Jeff Grant, Global Head of Production and Technology, Andresen Digital

Block Storage

High-performance and dependable block storage to support back-end enterprise applications.

Hypervisor and K8s ready

iSCSI and Fibre Channel support serves as a reliable backbone for your IT infrastructure.

- Monitor and take application-consistent snapshots directly within VMware and Windows Server environments
- Manage storage and take snapshots directly through Kubernetes CLI using native APIs
- High-availability and non-disruptive options ensure SLAs can be met
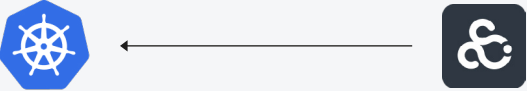
Certifications

Applications

Synology CSI Driver for Kubernetes

Synology Storage Solutions

"Thanks to Synology's reliable and powerful solutions, UNESCO benefits from a unique infrastructure that spans across 70 countries worldwide, where virtual machines storage runs efficiently on iSCSI LUNs and can easily be backed up."

Chief Technical Officer, UNESCO

Object Storage

Highly scalable and durable object storage solutions that enhance data searchability and management in AI datalakes, STaaS, and archival storage.

C2 Object Storage

Simple, scalable, and affordable cloud object storage.

- Transparent pricing with no hidden fees for deletions, ingress, and egress[1]
- Keep your data safe with versioning and immutability

GS SERIES

GS Series systems   `Coming Soon`

Next-gen object storage for large databases, digital asset management, SaaS, and S3-compatible backups.

- Scale-out architecture for maximum resiliency
- Massively scalable for both capacity and performance
- Simple and unified cluster management for low operational overhead

1. Egress is free up to the subscribed capacity and renewed each month. $0.01 / GB after.

Storage Efficiency

Synology systems enable administrators to optimize storage usage and reduce TCO.

Tiering `Coming Soon`

Ensure hot and warm data is always accessible on faster systems, while colder data gets automatically moved to archival-optimized systems.

Data reduction

Synology's storage solutions incorporate deduplication and compression to maximize storage efficiency. By removing redundant data and minimizing file sizes, these technologies reduce the overall storage footprint and associated costs.
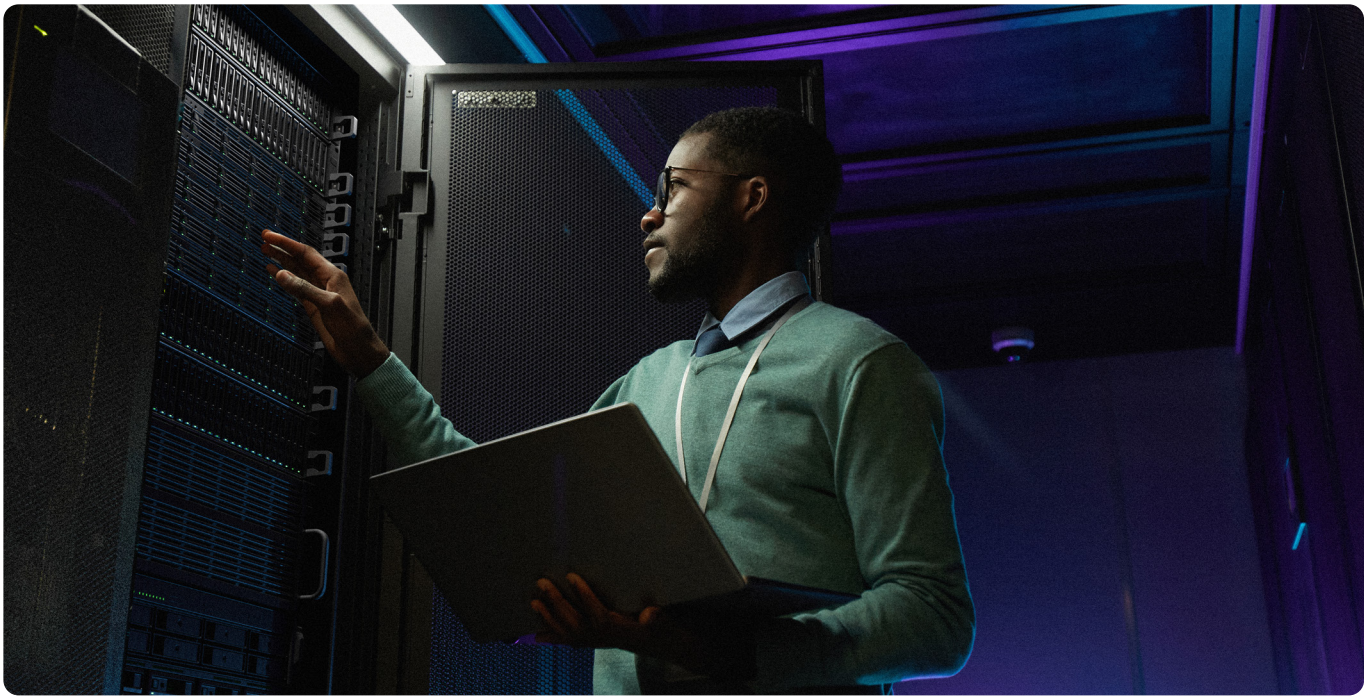
Fleet Management

Active Insight's centralized monitoring of all Synology systems reduces administrative workloads and enhances visibility across the entire organization.

Monitoring and forecasting

Proactively monitor system health, performance, storage use, and security alerts, alerting IT administrators to potential issues before they become critical.

Proactive security

Analyze file access patterns and preempt potential ransomware attacks with immutable snapshots to safeguard your data.

Simplified management

No extra servers, installations, upgrades, or additional software required. Deploy and delegate accounts in minutes and keep relevant parties up to date with automated reports.

(leader System)

"Synology is extremely reliable. We host over 300TB of customer data and achieve 100% restoration using Synology NAS for local and external backups. Synology's products offer a range of features that meet our customers' needs and budget."

Jérôme Carrière, Deputy Director, Leader System

Data Resiliency

Flexible data protection and availability options ensure business continuity.

Immutable data protection

Ensure critical data is tamper-proof with time-locked folders and granular retention policies for backups.

Onsite and offsite backup

Create comprehensive data protection and disaster recovery plans that suit your organization and budget.

On-prem destinations	Ideal for	RPO / RTO
Active Backup Centralized data protection management	Full backups of Synology systems are managed from a central console, with the option to restore entire systems or recover individual files and folders.	Hours / Hours to days
Snapshot Replication High-speed versioning for folders and LUNs	Low overhead, point-in-time file or LUN copies with near-instantaneous restoration to other Synology systems.	Minutes / Minutes

On-prem & Cloud destinations	Ideal for	RPO / RTO
Hyper Backup Flexible backups to on-prem or cloud destinations	Efficient and customizable backup solution for a variety of hardware and cloud destinations, with client-side encryption and backup management.	Hours / Hours to days

High Availability

Maximize service uptime with real-time replication and fast, automated failovers.

Flexible clustering

Join similarly configured systems together to create a high availability cluster for both data and services.

Space and cost-optimized

Select dual controller systems support a shared dual storage pathway for lower upfront costs and a smaller footprint.
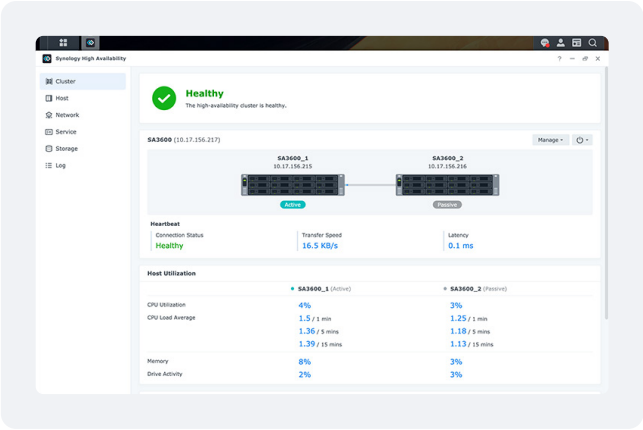
	System requirements	RPO	Recovery time
High availability cluster	Two identical systems	Near-zero	Minute-level
High availability cluster with shared storage	Dual controller series	Zero	Minute-level
Fully non-disruptive, high availability	GS Series clusters	Zero	Second-level

"Active Backup for Business has been particularly effective and valuable for us, especially in situations where we needed to recover data on a device critical for specific and important tasks that operates as a standalone system."

Marius Köller, Head of IT System Administration, Borussia Mönchengladbach

Security

Keeping your data safe through multiple layers of robust and sophisticated security.

Granular access controls
Compartmentalize system and data access rights with role-based admin delegation and user groups.

Data encryption
Keep data secured at rest against theft through per-volume and per-folder encryption options with KMIP support for centralized management.

Domain integration
SSO and ACL support simplifies user and data access rights, integrating directly with your organization's existing on-prem or cloud-powered directory service.

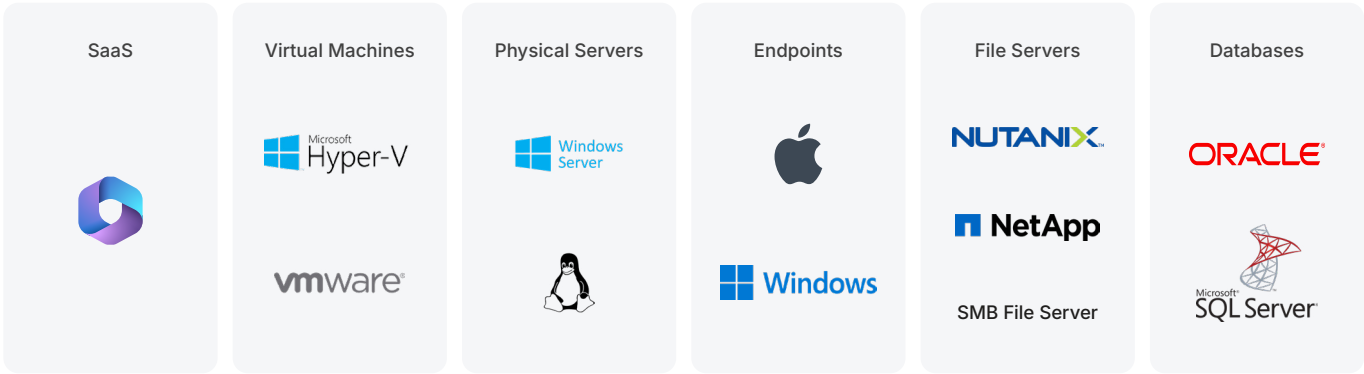### Proactive monitoring and protection
Both user and administrative accounts are constantly monitored for abnormal activity, while AI-based file activity monitoring keeps an eye out for ransomware-like activity.

Data and Workload Protection

Emerging threats, ransomware, and geopolitical instability continuously challenge the security and resiliency of organizations.

Ensuring Business Continuity

Synology data protection solution provide comprehensive backup and recovery capabilities to safeguard business-critical infrastructure.

SaaS	Virtual Machines	Physical Servers	Endpoints	File Servers	Databases
	Microsoft Hyper-V	Windows Server		NUTANIX	ORACLE
	vmware		Windows	NetApp	Microsoft SQL Server
				SMB File Server	

Next-gen backup platform

Organizations and businesses are creating and storing data at increasing rates. Synology data protection solution are dedicated backup systems optimized for speed, ease-of-use, and unmatched cost efficiency.[1]

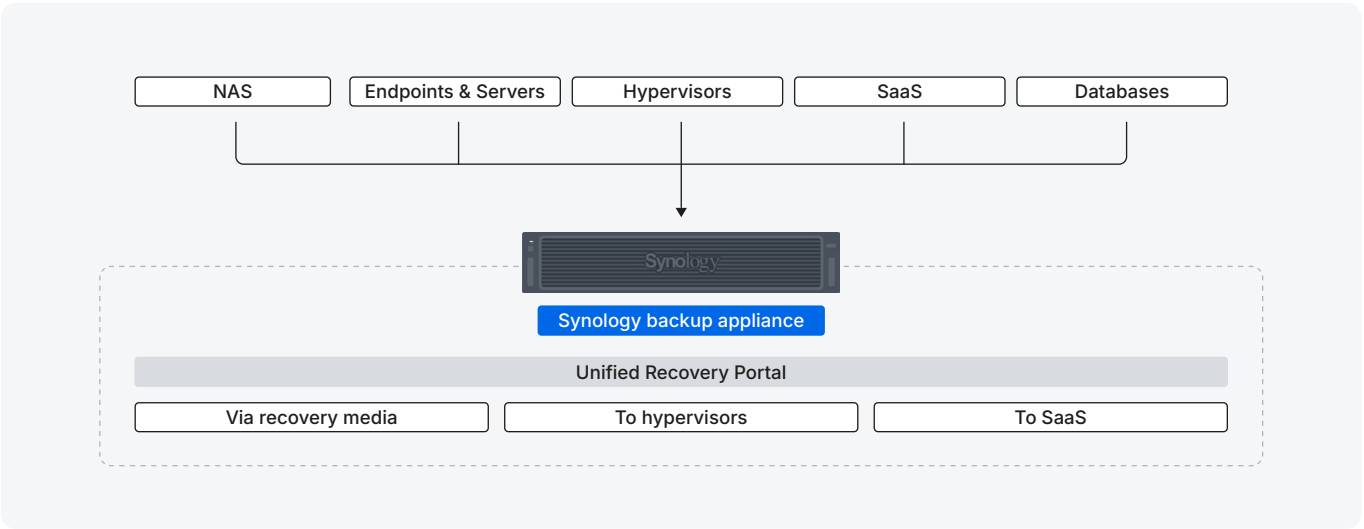| <10	2:1	-99%
Minutes for setup	Typical deduplication	Data transmission

Backup that keeps up

Designed to keep up with modern big data and demanding workloads, Synology data protection solution feature optimized storage tiering and source-side deduplication to speed up backup.

Global protection policies

Easily apply data protection plans with customizable frequency and retention policies across all managed systems, simplifying the management of large-scale and rapidly growing deployments.

Guaranteed availability

Synology data protection solution makes building a solid backup and disaster recovery plan easy. Administrators can quickly replicate to public clouds or off-site locations, protected with immutability and policy-based air-gapping for added security.

Minimize storage and bandwidth use

Global deduplication dramatically reduces storage capacity and network bandwidth usage cross platforms and backup servers, providing opportunities for backups to run during business hours without interrupting operations.

1. Based on internal performance and storage-use measurements on the systems with source-side and global deduplication enabled using an environment indicative of typical business IT environments.

Guaranteed Recoverability

Flexible retention and recovery options allow for comprehensive yet tailored data protection plans for your environment.

NAS	Endpoints & Servers	Hypervisors	SaaS	Databases

Synology

Synology backup appliance

Unified Recovery Portal

Via recovery media	To hypervisors	To SaaS

Stress-free recovery

- Bare-metal and file-level recovery options enable easy and fast restoration of physical or virtual systems
- Self-service portal enables delegation of file or item-level restoration to employees
- Recover servers and VMs with fast P2V and V2V capabilities, including cross-hypervisor support

SK shipping

"Synology helped us reduce IT overhead costs, speed up backup and recovery times, and create a comprehensive backup and disaster recovery plan."

Kwak Ho-Dong, Head of IT Planning Team, SK Shipping

Data Integrity

Synology data protection solution is designed with multi-layered security and data integrity capabilities to ensure critical data is always accessible.

Access control and integration

Supports joining Windows AD and LDAP directories with SSO and MFA support to balance security with convenience.

Immutable everywhere

Set immutability policies for backups on the entire deployment that apply across tiering and archival destinations.

Self-healing storage

Ensure data integrity with bitrot detection and self-repairing storage subsystem.

Air-gapped

Add policy-based logical and physical isolation to strengthen your security posture against threats.

Granular permissions

Delegate administrative permissions to ensure only the right people have access to data while simplifying maintenance operations.

Recovery drills

Execute data recovery drills within a sandboxed environment on the built-in hypervisor to ensure recoverability and improve personnel training.

Backup verification

Automatic backup verifications via screen recordings for servers and VMs.

Scalable and Modular

Deploy confidently for multi-site or multinational IT infrastructure using Synology data protection solution optimized for both edge and data center use.

Simplifying backup infrastructure

- View your entire backup infrastructure, including primary backups, backup copies, tiered data, and archived data on a single console

- Create custom plan-based protection plans to manage and view thousands of workloads

- Reduce IT workloads by activating auto-protection plans

- Multi-backup-server management through a single pane of glass

Expand anytime

- Tier data to AWS S3, C2 Object Storage, and Synology NAS/SAN systems

- Scalable with additional Synology systems for load balancing and centralized management
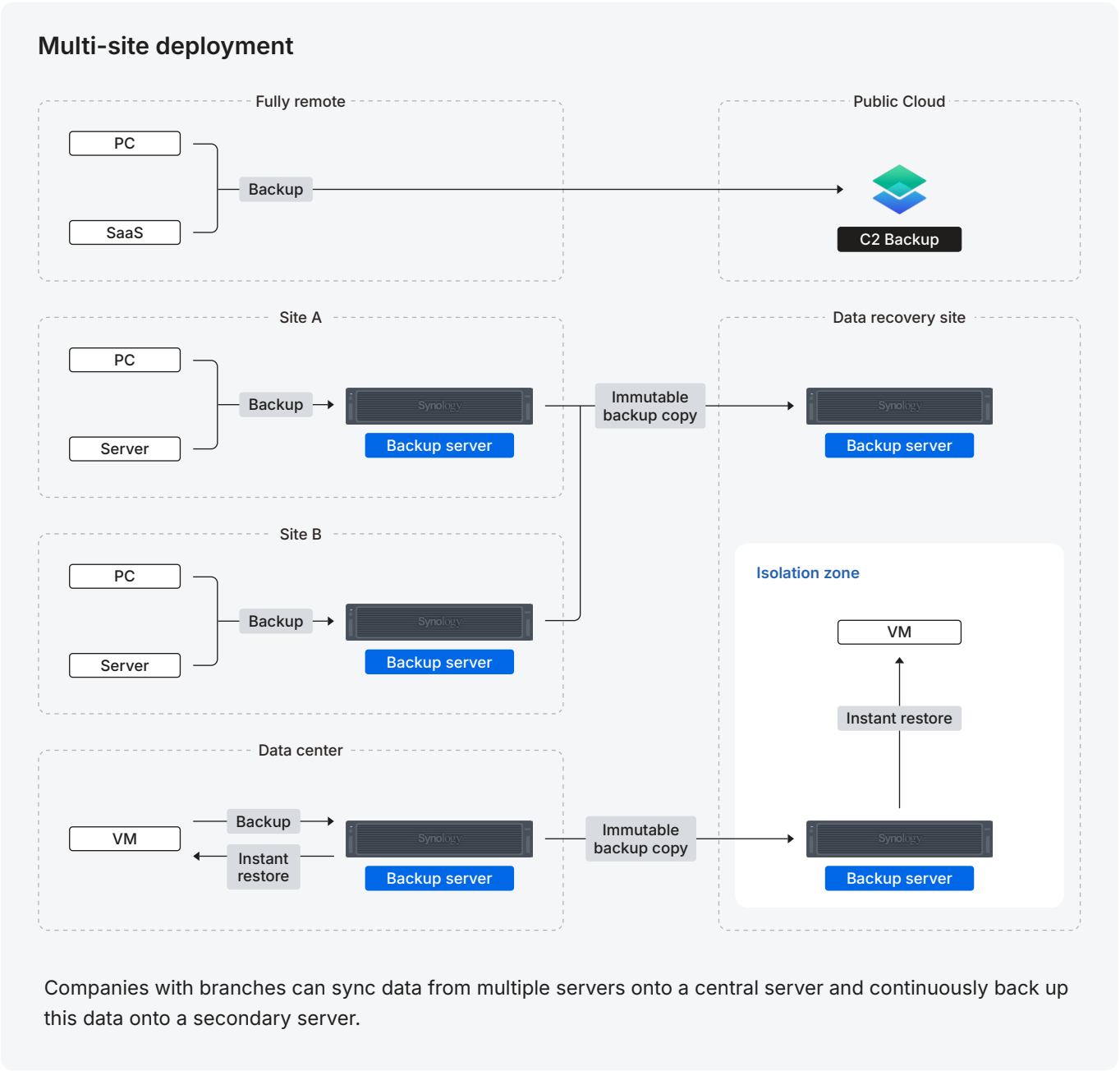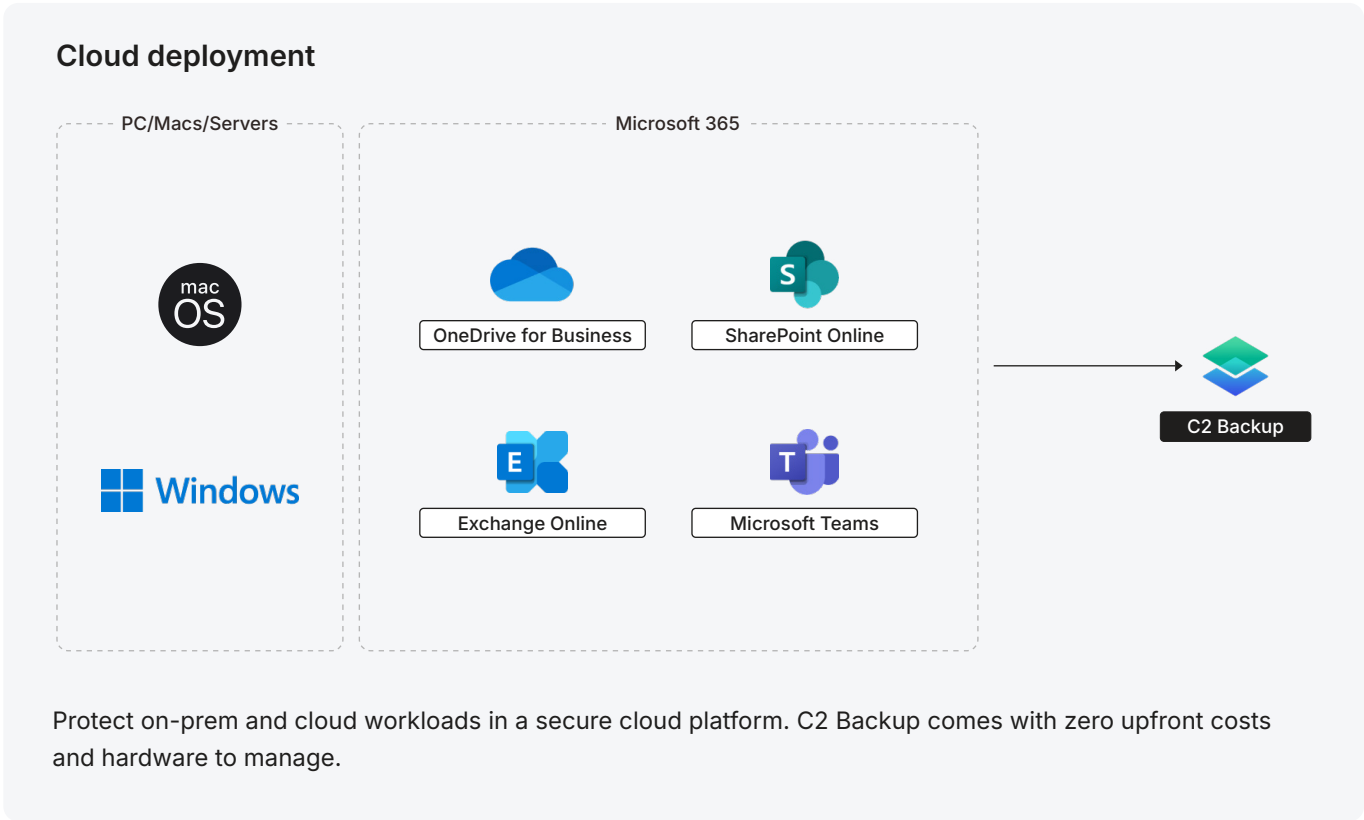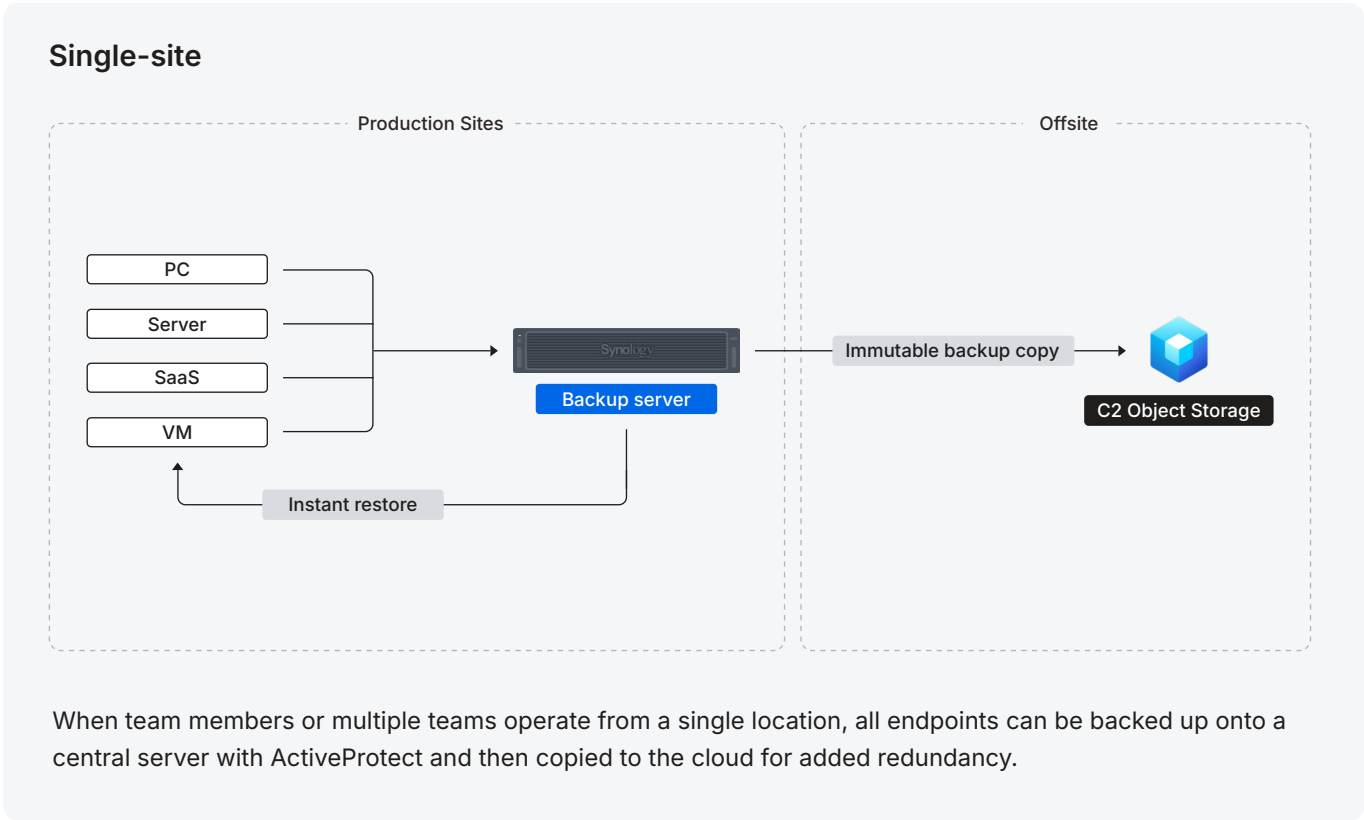
Deploy Anywhere

Create a multi-tiered data protection plan that fits your organization with viable backup solutions.

Single-site

Production Sites

Offsite

PC
Server
SaaS
VM

Backup server

Instant restore

Immutable backup copy

C2 Object Storage

When team members or multiple teams operate from a single location, all endpoints can be backed up onto a central server with ActiveProtect and then copied to the cloud for added redundancy.

Cloud deployment

PC/Macs/Servers

macOS

Windows

Microsoft 365

OneDrive for Business

SharePoint Online

Exchange Online

Microsoft Teams

C2 Backup

Protect on-prem and cloud workloads in a secure cloud platform. C2 Backup comes with zero upfront costs and hardware to manage.

Multi-site deployment

Fully remote

Public Cloud

PC
SaaS

Backup

C2 Backup

Site A

Data recovery site

PC
Server

Backup

Backup server

Immutable backup copy

Backup server

Site B

Isolation zone

PC
Server

Backup

Backup server

VM

Instant restore

Data center

VM

Backup
Instant restore

Backup server

Immutable backup copy

Backup server

Companies with branches can sync data from multiple servers onto a central server and continuously back up this data onto a secondary server.

> "Previously, we were backing up the minimum amount of data possible. Now, we have the capacity to store much more than that, while providing three tiers of backup protection and isolation with off-site and cloud-based copies."
>
> Jim Patrick, Infrastructure Architect, Butler University

BUTLER UNIVERSITY

Business Productivity

Market disruptions and diverse work environments demand leaner organizations and higher employee efficiency.

Empowering Organizations

An all-in-one, fully integrated private cloud productivity solution designed to boost enterprise growth and team collaboration.
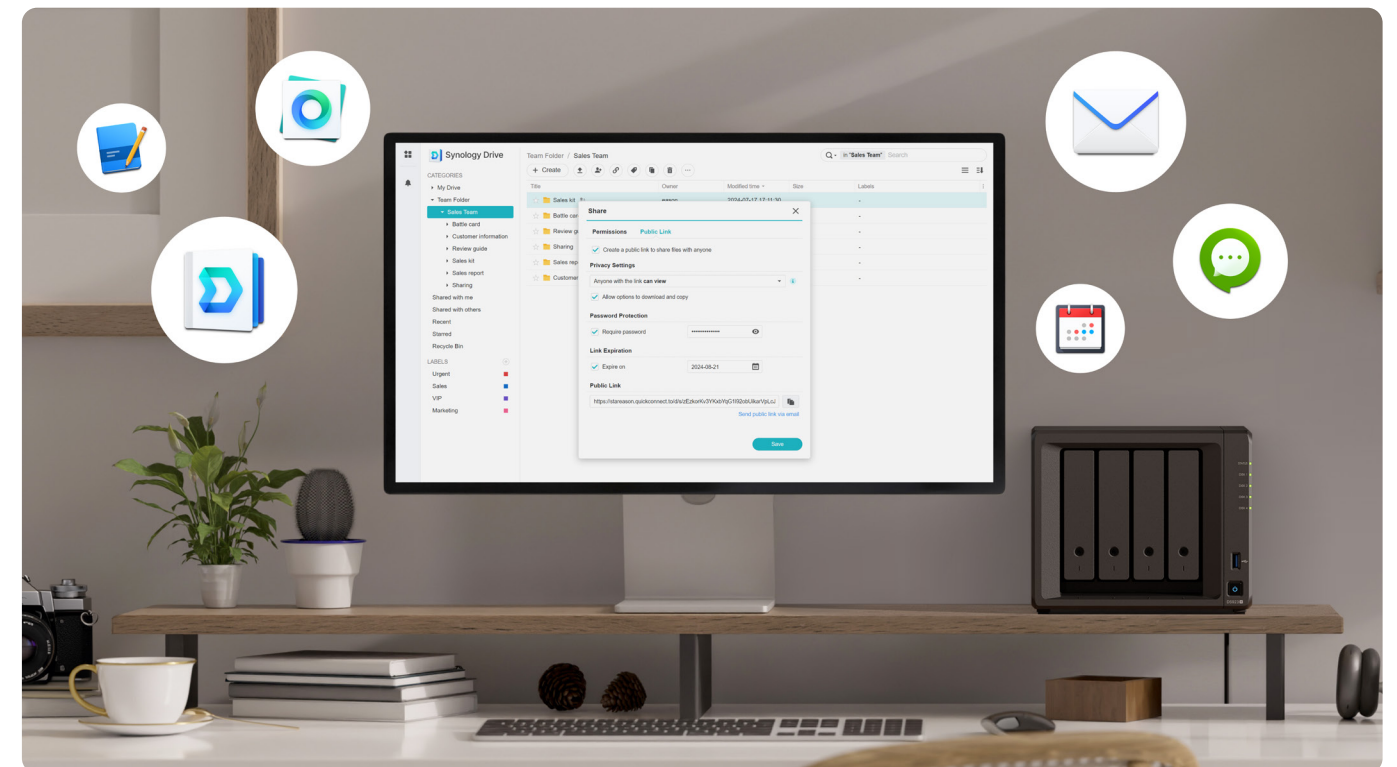
18 M+	630 B+	38 EB+
Users worldwide	Files stored	Data stored

Work smarter

Centralize data access for teams, departments, and more with flexible permission control, secure sharing, and collaborative editing.

Communicate faster

Reduce time spent on meetings or calls with faster and more efficient email and instant messaging without subscriptions or retention limitations.

Secure the fundamentals

Secure but convenient centralized identity and access controls unify organization-wide security policies for employees and endpoints.

Team Collaboration

Streamline team workflows while maintaining 100% data ownership with Synology Office Suite.

Private office cloud with Drive

Centralize organization data on a single portal, with cloud-like simplicity for managing access, editing, and synchronization permissions for users and endpoints.
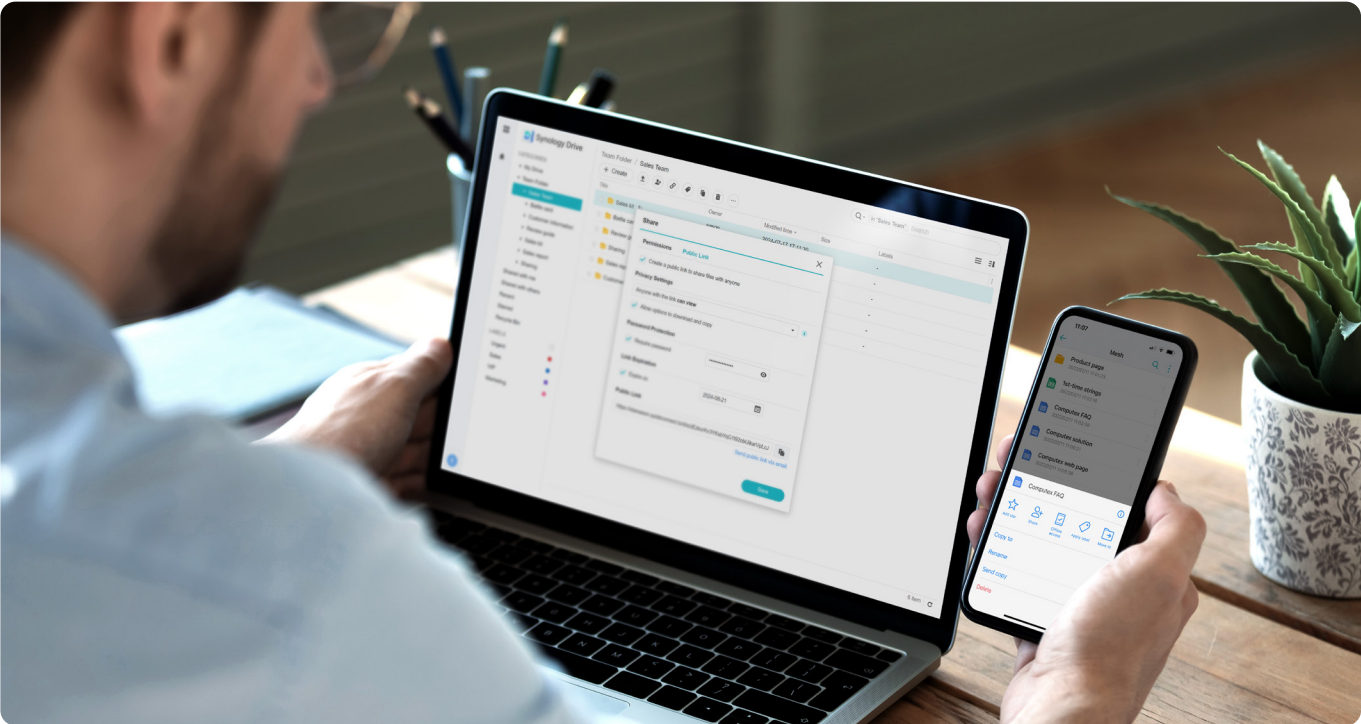
Create efficiently

- With an in-house suite of all the necessary tools to create your documents, presentation, and spreadsheets
- Concurrent editing, unlimited file revision history, syncing and file sharing

Stay organized

- Intuitive file management with personal and team folders, tags, and internal or public sharing options
- On-demand file sync and offline access support for macOS and Windows endpoints
- Sync and access files on the go with iOS and Android mobile apps

Built for security at all levels

- Grant cascading levels of control over any file with granular access permissions
- Audit, manage, and transfer file ownerships with a centralized admin console

Applications	Documents	Spreadsheets	Slides
Across the board	• Collaborative editing, commenting, and mentioning • Unlimited versioning • Granular viewing/editing/management permission controls • Granular sharing and download controls • GenAI `Coming Soon` • Universal file format support • Per-file encryption		
Features	• Markdown support • View, editing, and revision modes	• Pivot tables • 400+ formulas • Organize via cell groups	• Multimedia support • Slide templates • Slide sectioning

Easy provisioning and auditing

Optimize administrative tasks with permission migration, audit logs, and delegation on a per-application basis.

Centrally managed GenAI `Coming Soon`

Take productivity up another level with OpenAI, Azure AI, and other integrations. De-identification and per-group or user controls ensure your organizaton's data remains entirely in your control.

HUDABEAUTY

"By adopting this cloud storage solution, Huda Beauty has been able to scale operations, optimize resource utilization, and enhance overall performance of the content and marketing teams in a highly cost-efficient manner."

Ryan Aldrin, Head of Technology Operations, Huda Beauty

Business Communications

Secure and efficient solutions to accelerate teamwork and facilitate communications.

Ensure data ownership with MailPlus

Set up a secure and robust on-premise mail server with integrated calendar features and simplified IT administration tools for fast trouble shooting and full data ownership.
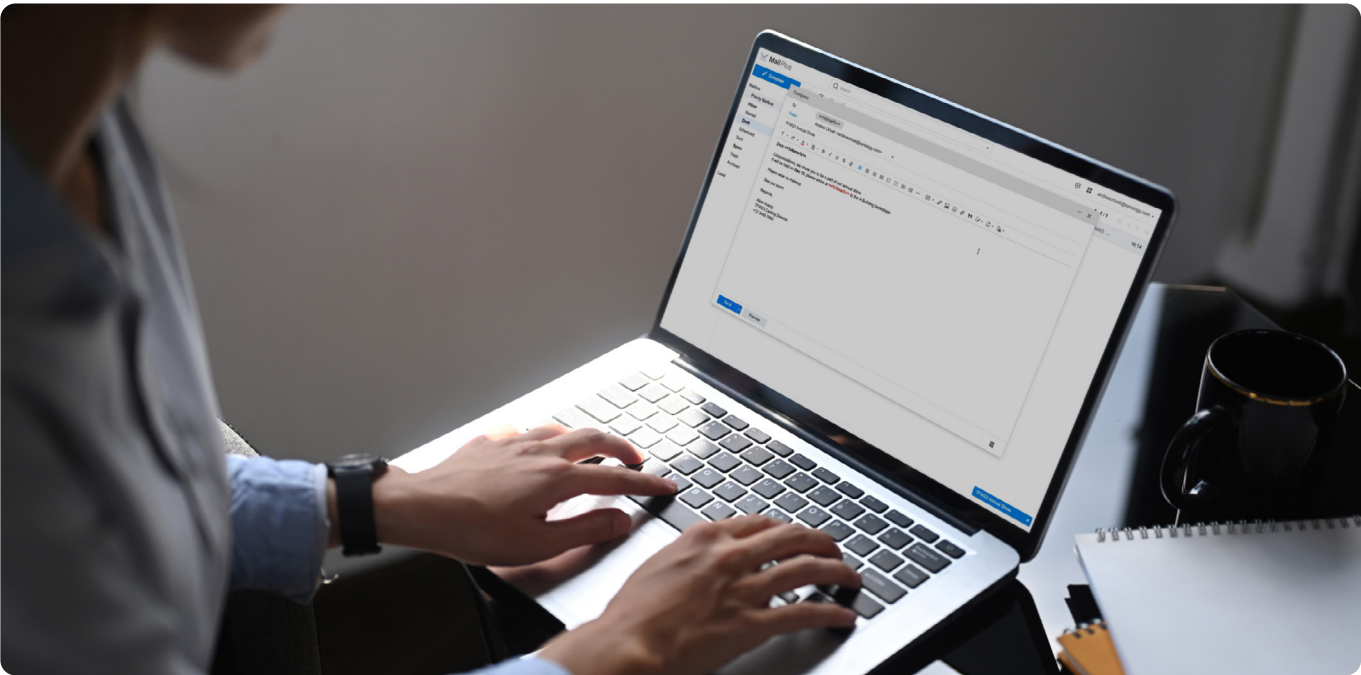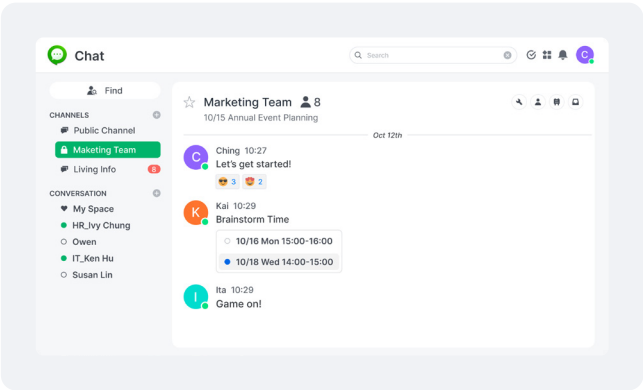

🔒 **S/MIME E2EE, SMTP security, and DANE support**

📑 **Transaction and client access logs for auditing**

◈ **High availability operational modes**

📱 **Simple web and mobile app end-user interfaces**

Enhance collaboration with Chat

Consolidate communications and announcements onto a license-free centralized platform with unlimited message history.

💬 **Private chats and public channels with end-to-end encryption**

👥 **Supports webhooks & automation through bots**

🖥 **Web, PC, and mobile app access**

Centralize business contacts

Keep all business contacts organized and easily accessible for team members in MailPlus. Supports importing from Google, Outlook, and CardDAV-compatible servers.

Stay organized with Calendar

Plan and organize meetings and events on a centralized, easily-shareable time management platform.

✅ **Create private and shareable calendars for teams**

⚙ **Universal compatibility with CalDAV support**

🔔 **Flexible notification options**
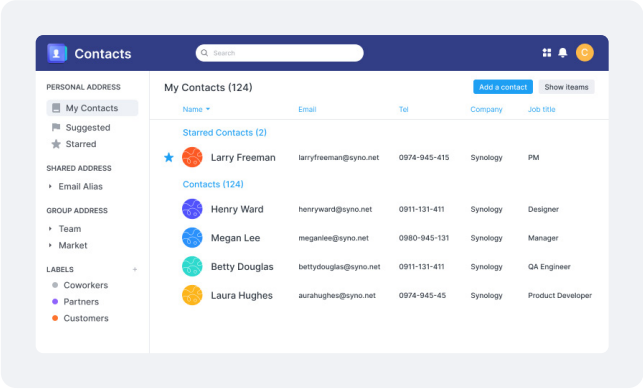
Boost productivity with Note Station

Create, sync, and access notes across all your devices. Record voice memos, share notes with direct links, and set timely task reminders.
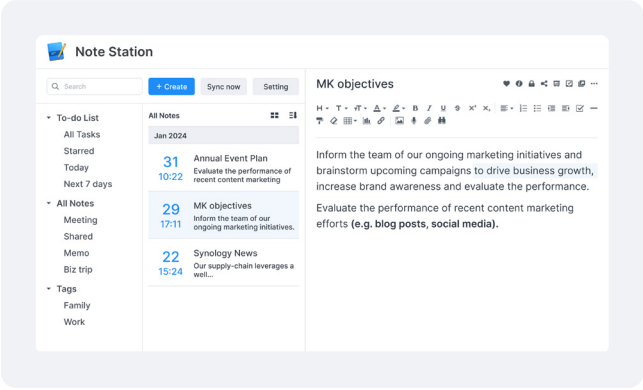
C2 Transfer

Break free of client, service, and file size limitations and protect your organization's file transfers with end-to-end encryption and advanced security features.
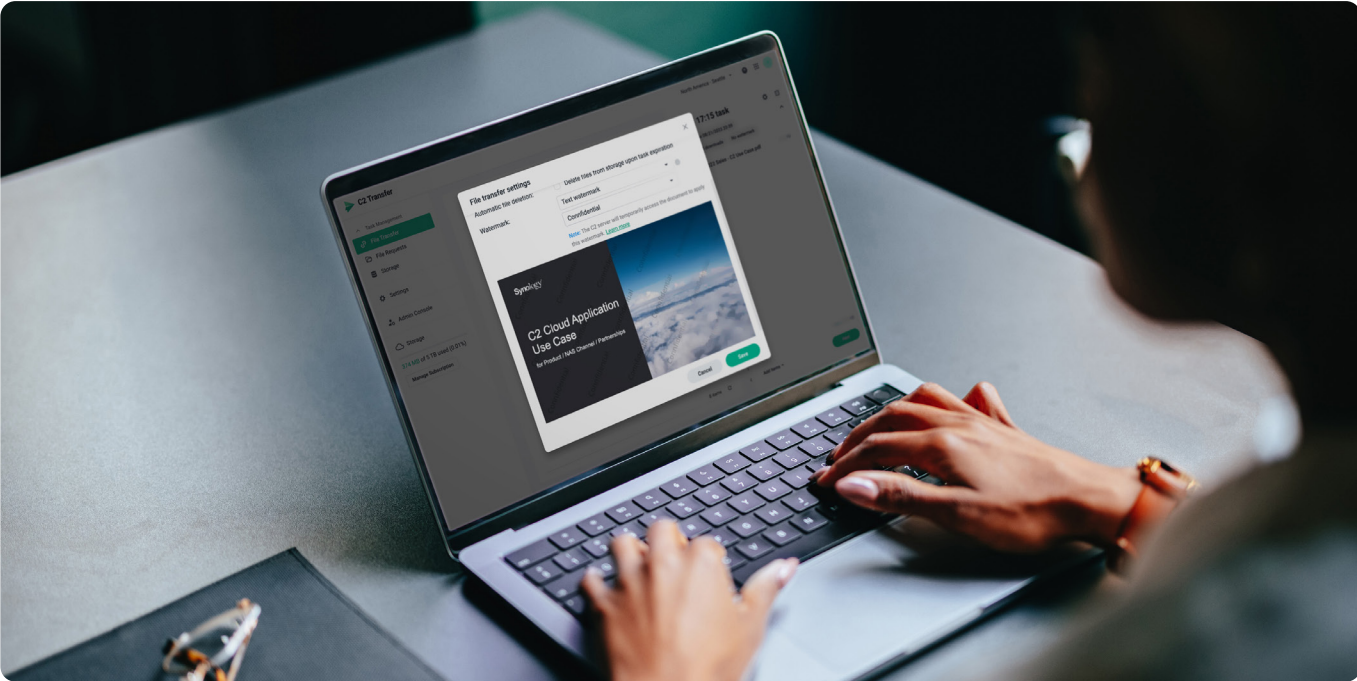
- **Identity validation**
- **Team file library**
- **Transfer up to 500GB at once**
- **Integration with Outlook**
- **Customizable and dynamic watermarks**
- **Enforce transfer policies**
- **File request links for external parties**
- **End-to-end encryption**

Identity and Access Management

C2 Identity is a cloud-based IAM platform for businesses to securely manage and streamline user identity and access management across multiple sites.
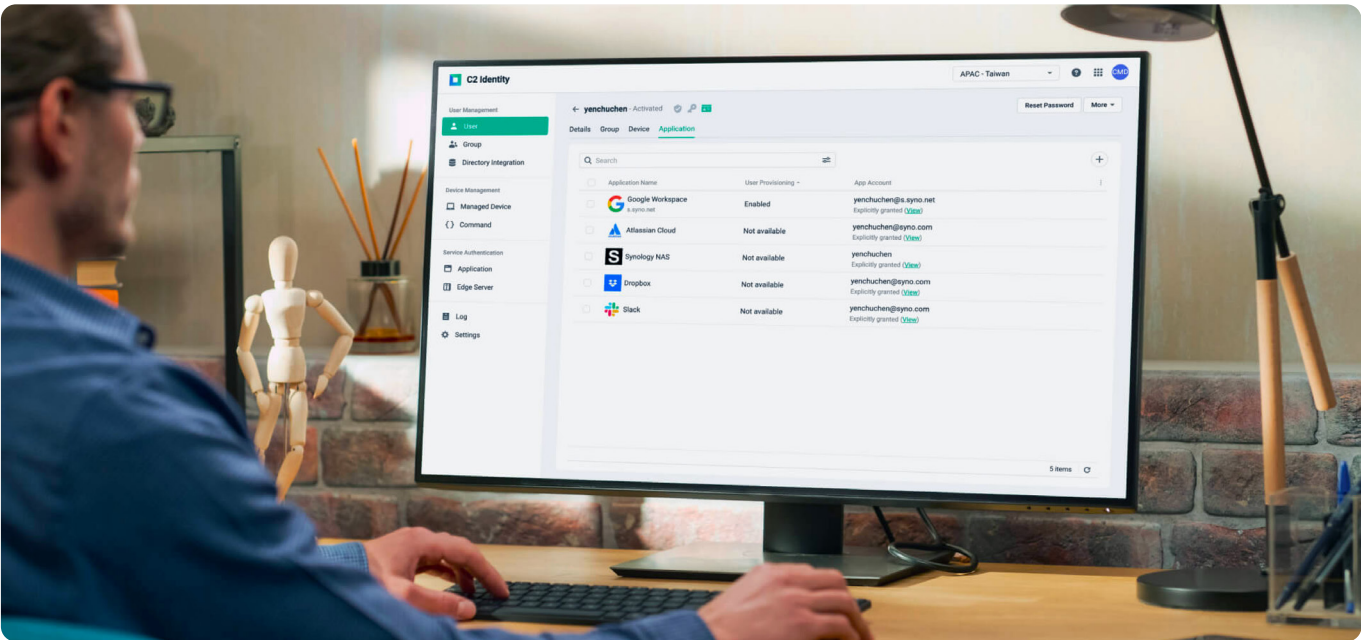
Centralized identity and access management

Consolidate multiple account credentials into a single account and password via a centralized console, from which you can securely manage identities, devices, and access authorization, and device management.

Robust security

Features like zero-knowledge security, passwordless authentication, and MFA add additional layers of security and resilience against potential MITM and cyberattacks.

Unify access across cloud and on-prem

Enable Synology systems as edge servers for offline authentication and simplify access control with SSO and SAML 2.0. Streamline and expand user management by integrating with an existing Windows Active Directory.

Endpoint management

Provision and monitor Windows and Mac computers via a unified console. Run scripts for managing devices in bulk, generate log reports, and remote control for actions.

"C2 Transfer's interface is simple and intuitive, allowing easy and secure file sharing. Implementing the service allows us to track file download progress in real-time, while also aiding our company's compliance with cyber security regulations."

Sih Sîng-hông, CEO, ÌTHUÂN KHOKI

ÌTHUÂNKHOKI

"The simplicity of C2 Identity was a game-changer for us, its intuitive interface streamlined our operations, significantly reducing the challenges tied to staff training and implementation. Moreover, its scalability and integration capabilities were precisely what we needed for our expansion."

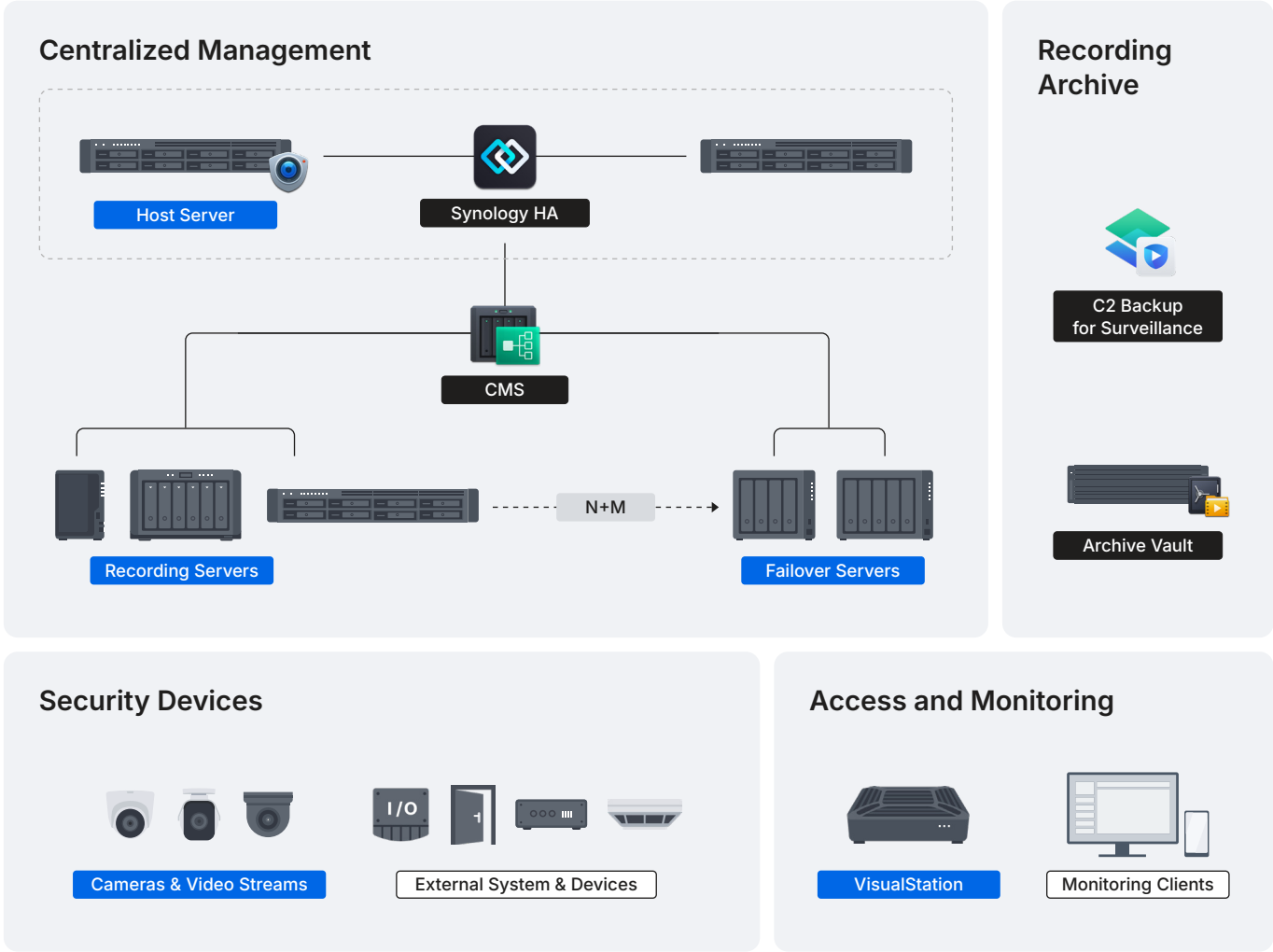Steven Kong, Chief Infrastructure Officer, SLC Group

SLC group

Video Surveillance

Increased liability and insurance costs require organizations to be able to provide comprehensive evidence.
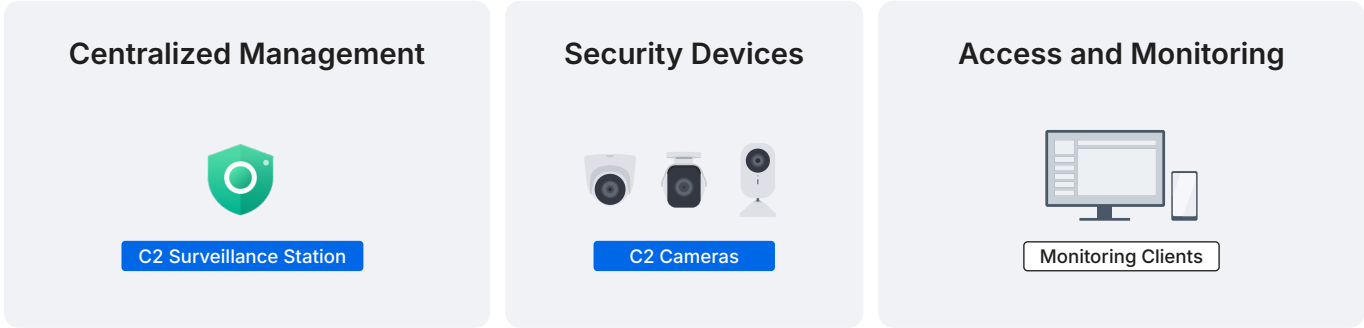
One-stop Security Platform

Protect your organization with a reliable and intuitive video surveillance solution that integrates intelligent video recording, monitoring, and flexible extensibility.

On-premises surveillance platform

Centralized Management

Host Server — Synology HA

CMS

Recording Servers — N+M — Failover Servers

Recording Archive

C2 Backup for Surveillance

Archive Vault

Security Devices

Cameras & Video Streams — External System & Devices

Access and Monitoring

VisualStation — Monitoring Clients

Cloud surveillance platform

Centralized Management

C2 Surveillance Station

Security Devices

C2 Cameras

Access and Monitoring

Monitoring Clients

Secure Recording and Monitoring

Ensure accountability for events happening on-premises and increase situational awareness for teams with Synology Surveillance Station.

500 K	**2.5 M**
Organizations protected	Cameras deployed

Unified security platform

Consolidate surveillance footage, AI-powered insights, access controls, and more from multiple sites into one centralized security interface.

- ⚠ **Multi-location monitoring and alerts**
- 📷 **Access control integration**
- 👤 **AI monitoring and insights**
- 👤✓ **Granular permissions management**
- 🛡 **Designed for privacy and security**
- 🖥 **Multiplatform support**

Easy to deploy and manage

Surveillance Station makes managing recordings, monitoring video feeds, and automating archival policies easy, regardless of the scale of deployment. Consolidate up to 10,000 cameras and 1,000 recording servers under one control interface.

Centralized management
Manage multiple sites, view live footage, control cameras and devices, and more, all from a single web or app interface.

Vast device compatibility
Supports over 8,400 validated cameras plus ONVIF and RTMP/RTSP support.

Versatile monitoring
Easily set up monitoring centers with thin-client VisualStations and comprehensive support for both PC, macOS, and mobile endpoints.

Staying updated
Options for on-prem or cloud-based monitoring ensure systems are up-to-date and secured.

Reliability

Surveillance Station provides flexible failover options that allow for automatic or manual transfer of services to a backup system, reducing the risk of data loss or other damages caused by service downtime.

N+M failover
In the event of a primary server outage, easily perform automatic or manual transfers of all services.

Long-term storage
Customizable retention and archiving policies enable long term storage of recordings locally or at remote destinations.

High availability
For mission-critical recording or management servers, Synology High Availability provides minute-level automatic failover.

Dual recording
Simultaneously record to two different servers or C2 Backup for Surveillance to safeguard footage.

chausson MATÉRIAUX

"Synology surveillance solution is the best one we've ever had. Thanks to the Centralized Management System, the management of all 2,000 cameras deployed in 350 stores has never been so easy. It is really cost effective and it helps us keep our most valuable products safe"

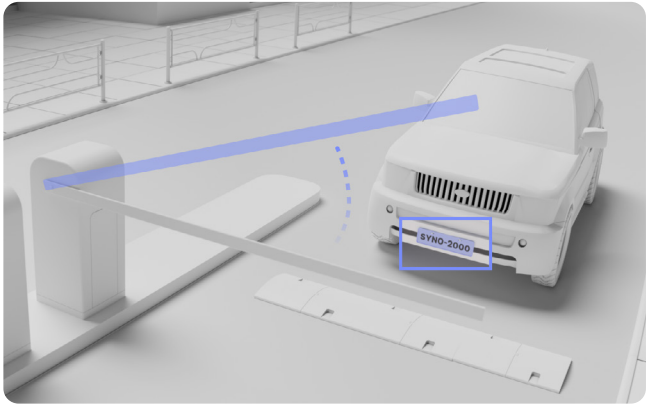Benjamin Piumi, IT Manager, Chausson Matériaux

Actionable Insights & Integrations

Strengthen on-premises security with advanced video analytics, action rules, webhooks, APIs, and more to engineer a setup tailored to your needs.

Face recognition

Manage on-prem access easily with detection support of up to 10,000 personnel profiles with > 97% accuracy.[1]

Trespassing and instrusions

Set up bidirectional or one-way virtual borders to issue alerts for people or vehicles trespassing.
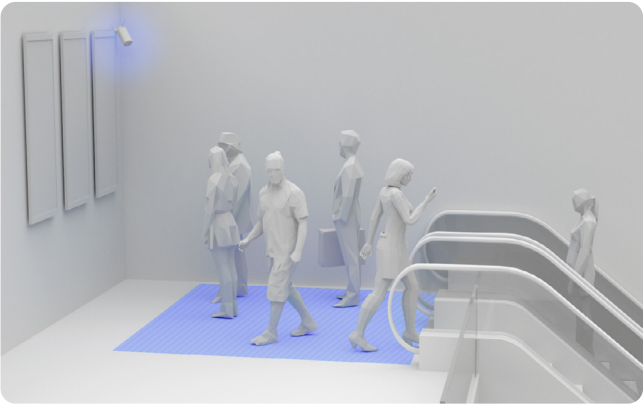

Vehicles and license plates

Identify license plates, apply triggers from allow/blocklists, and send instant or threshold alerts during idle times in specified zones.
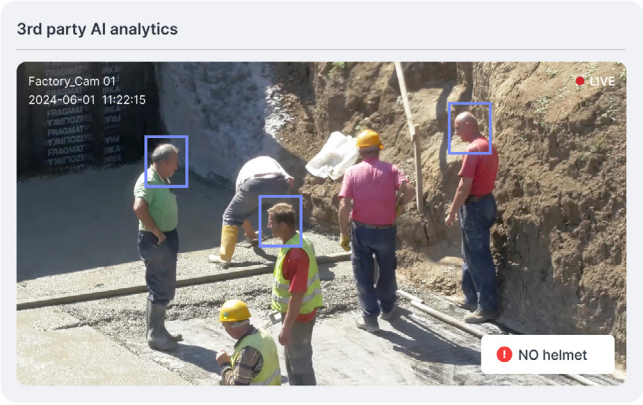

People and occupancy

Gauge occupancy with aggregated counting of entries and exits, and issue automatic near-capacity alerts. Export statistics for infrastructure or traffic optimization.

3rd party AI analytics

Personal protective equipment

Identify whether your visitors are in compliance with local rules or policies and alert on-site personnel to take appropriate actions.[2]
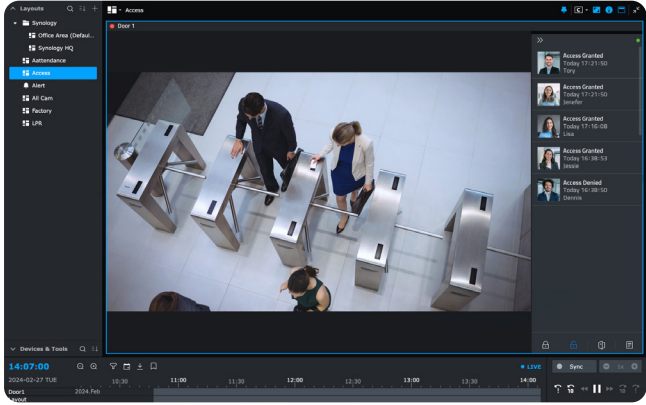
Access control

Integrate AXIS Network Door Controllers for access management, visual verification, and real-time response and evidence collection.

Synology AI Cameras and NVRs

 Private edge AI

 Fast deployment

 TAA/NDAA compliant

"Overall, it is an excellent platform to make the CCTV aspect of the business a far more effective and useful tool from security to general use and gives our customers the peace of mind that their vehicles are safe with us."

Darren Maskrey, Head of Operations (Great Britain), Q-Park

1. Testing is done by the National Institute of Standards and Technology in their Facial Recognition Vendor Test under its WILD category.
2. 3rd-party integration.

Security

Combining multiple layers of encryption and privacy-enhancing capabilities, Surveillance Station enables administrators to prevent unauthorized video use and meet regulatory compliance needs.

Dual authorization

Require explicit approval from a second administrator to protect critical management items from accidental or malicious changes.

Privacy masking and watermarks

Conceal sensitive areas from being recorded and directly watermark live feeds to deter and track unauthorized redistribution.

Encryption

Secure recordings in transit and at rest, with optional secondary encryption to prevent unauthorized access even if administrative credentials are compromised.

Granular permissions

Partition security, IT, and other roles with fine-grained controls over the entire system, from camera selection, logs, access to recordings, and more.
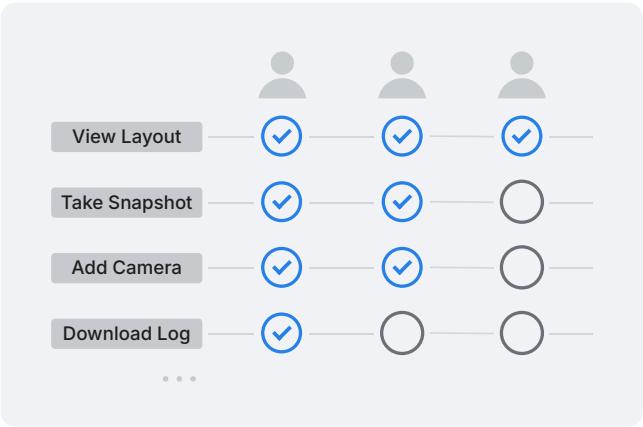
Direct-to-cloud

Deploy video surveillance anywhere without additional on-prem infrastructure with standalone C2 cameras and C2 Surveillance Station.

Simpler, but just as powerful

Overcome requirements for on-prem recording servers with faster-to-deploy C2 cameras, featuring powerful edge AI capabilities.

- ⚙️ Setup in under 3 minutes
- 🔔 Multi-camera timeline view
- 🔍 People, vehicle, and intrusion detection

Secure and private

C2 cameras combine cloud convenience with on-prem security, ensuring video footage is only accessible to you.

- 🔒 E2EE from recording to viewing
- 👥 Set up granular privileges
- 🛡️ Multi-factor authentication

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