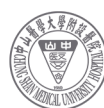**Syno**logy®

Synology
Business Solution Guide

Data is at the heart of every industry's transformation. Synology uniquely enables every business to manage, secure, and protect their data wherever access is needed from flash to disk to multiple cloud architectures – at the scale needed to accommodate the exponential data growth of the digital world.

Your success is our mission

With a blend of pioneering expertise and considerable experience, Synology offers tailor-made solutions to customers across industries worldwide. Hear first-hand from our customers about how they seamlessly and securely migrate, scale, and manage their businesses with our solutions.

Our Customers

Next-Generation File Server

To collaborate and share files across teams or locations while also considering data governance and privacy, Synology combines the flexibility of the cloud with control of on-premises file services.

Multi-source Access

Access your files anytime with mainstream browsers, mobile devices, or via FTP, WebDAV, and SMB. Rest assured that you always have online access to terabytes of data stored in Team Folders.

Multi-site Collaboration

Synology NAS can not only serve as a local file server but also keep specific folders synchronized on every NAS across different offices in real-time.
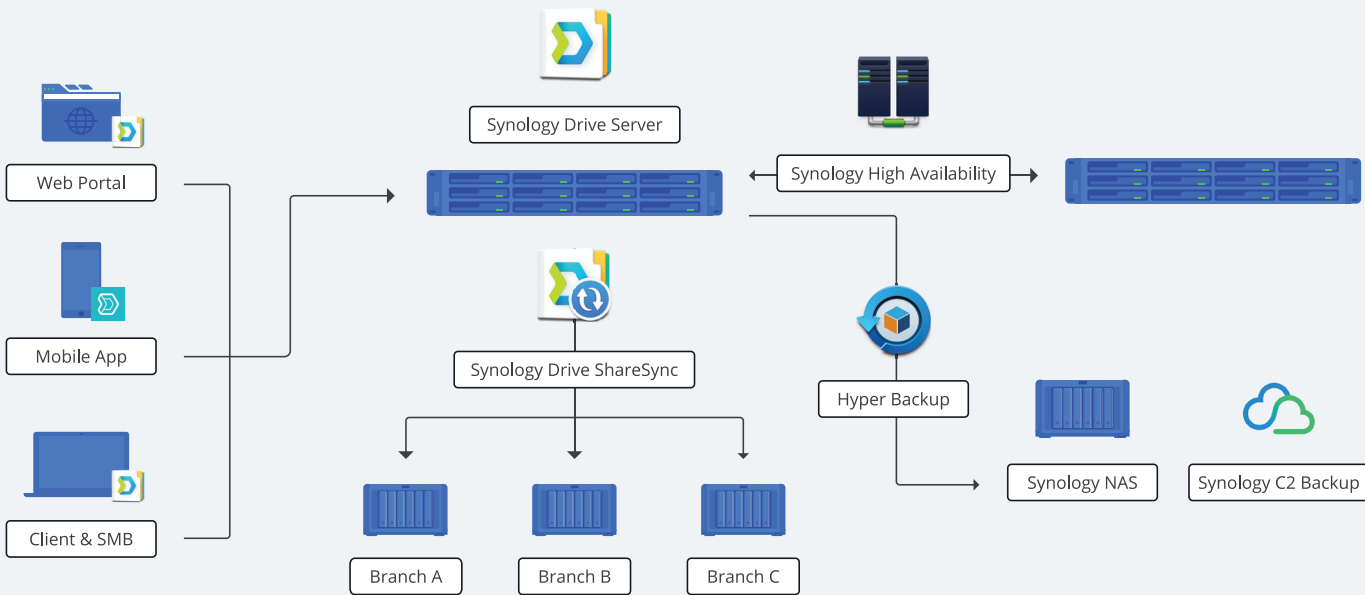
Safeguard your business data

Create a Synology High Availability cluster to avoid unexpected service disruptions, or easily encrypt and back up data to a remote location such as another Synology NAS or a public cloud service.

01

02

03

Synology Drive Server

Synology High Availability

Web Portal

Mobile App

Synology Drive ShareSync

Hyper Backup

Synology NAS

Synology C2 Backup

Client & SMB

Branch A

Branch B

Branch C

Synology Drive

- Access files on various platform users prefer anywhere and anytime
- Team Folders for intuitive permission settings and management
- 32 history versions to unleash the work efficiency in your teams

Synology Office

- All your staff can work together on the same page in real time
- Provide 3 main file types including documents, spreadsheets and slides
- Sharing links for the delivery of the final work to external clients

Synology Drive ShareSync

- Synchronize all data across each connected client Synology NAS
- Always a backed up version of each file safely secured on the remote Synology NAS

Synology High Availability

- Provide comprehensive visual information to ensure an intuitive troubleshooting experience
- Protect most Synology packages and built-in services to avoid potential hardware failures

Hyper Backup

- Provide customized backup destinations to meet different needs
- Block-level incremental backup drastically reduces the storage required for multi-version backup

Synology C2 Backup

- A plan for data availability on the cloud to maximize business continuity
- Provide a uniform, intuitive user experience, requiring only a minimal learning curve
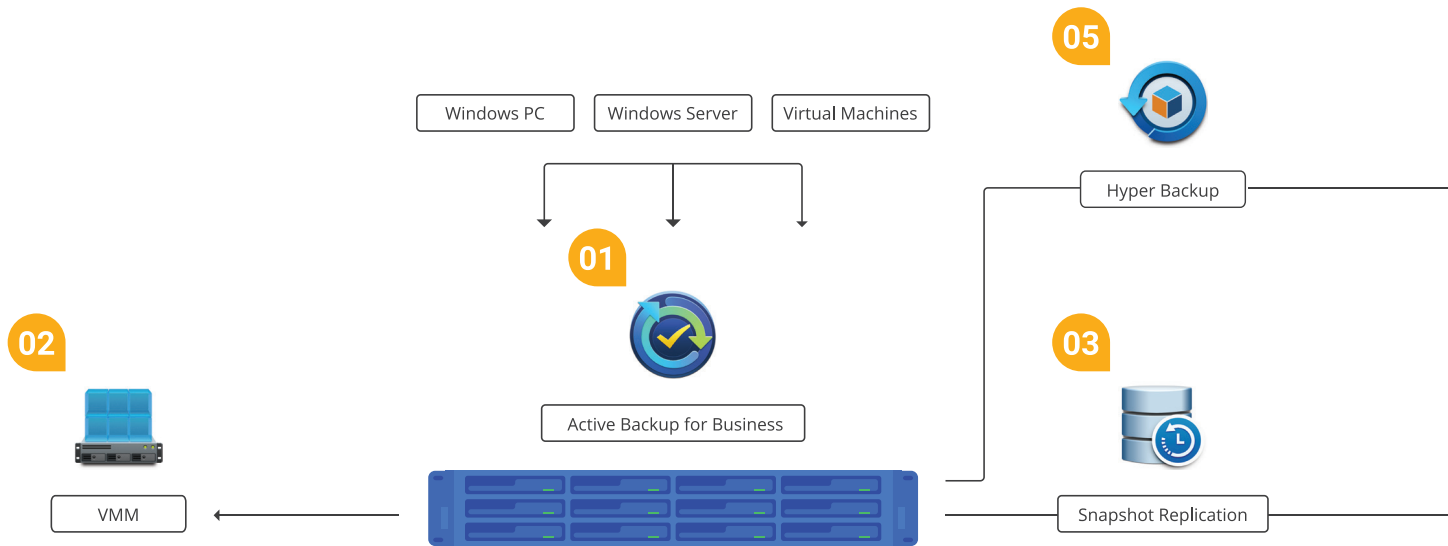- Ensure data security with the support of rigorous encryption technologies

Model Recommendation

Synology provides a wide array of models from flash to disk for the needs of different business structures.

Concurrent Sync Clients	Max. File Count	Suggested Models
100	500,000	DS218+ DS718+ DS918+
100 − 300	1,000,000	DS1618+ DS3617xs RS1219+
300 − 600	3,000,000	RS1619xs+ RS3618xs SA3400
600+	5,000,000	RS4017xs+ FS2017 FS6400

Modern Data Protection

With more and more organizations going to cloud or virtual environments, business workloads are distributed so that it's troublesome for IT to manage backup tasks from different platforms.

05

01

Windows PC   Windows Server   Virtual Machines

Hyper Backup

02

Active Backup for Business

03

VMM

Snapshot Replication

01

Active Backup for Business

- Protect all data stored on Windows PC & servers, VMware virtual machines, and Samba/rsync file servers
- Global deduplication and forever-incremental backup minimize required storage and increase business efficiency

02

Virtual Machine Manager

- Support various operation systems, including Windows, Linux and Virtual DSM
- Seamless integration with Active Backup for Business for disaster recovery, backup verification or upgrade testing purposes

03

Snapshot Replication

- Protect data with a point-in-time copy of an entire shared folder to another Synology NAS
- Provide the best RTOs and RPOs by re-linking the replicated snapshots with Active Backup for Business on the offsite NAS


# ∫HI∫EIDO

SHISEIDO Taiwan

"

After tests, we found Active Backup for Business has astonishing backup speeds and works wonders on deleting duplicate data — it only took up 28TB out of the total 58TB on the server. We are quite satisfied with the overall performance."

- Storage saving with Global Deduplication: Save 52% storage space (58TB ->28TB)
- Reduced backup time by 50% with Changed Block Tracking
- VM backup and restore with high speeds: Restore VM backup data in 15 mins

58TB

↓

28TB
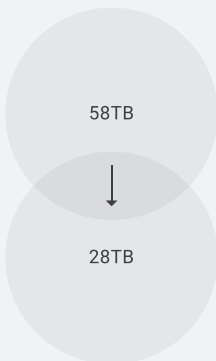
Synology provides all-round, flexible data protection solutions, keeping all your data on PCs, servers, virtual machines, and public clouds safe and sound.

06

Synology C2 Backup

Synology NAS

External drives

Office 365 / G Suite

04
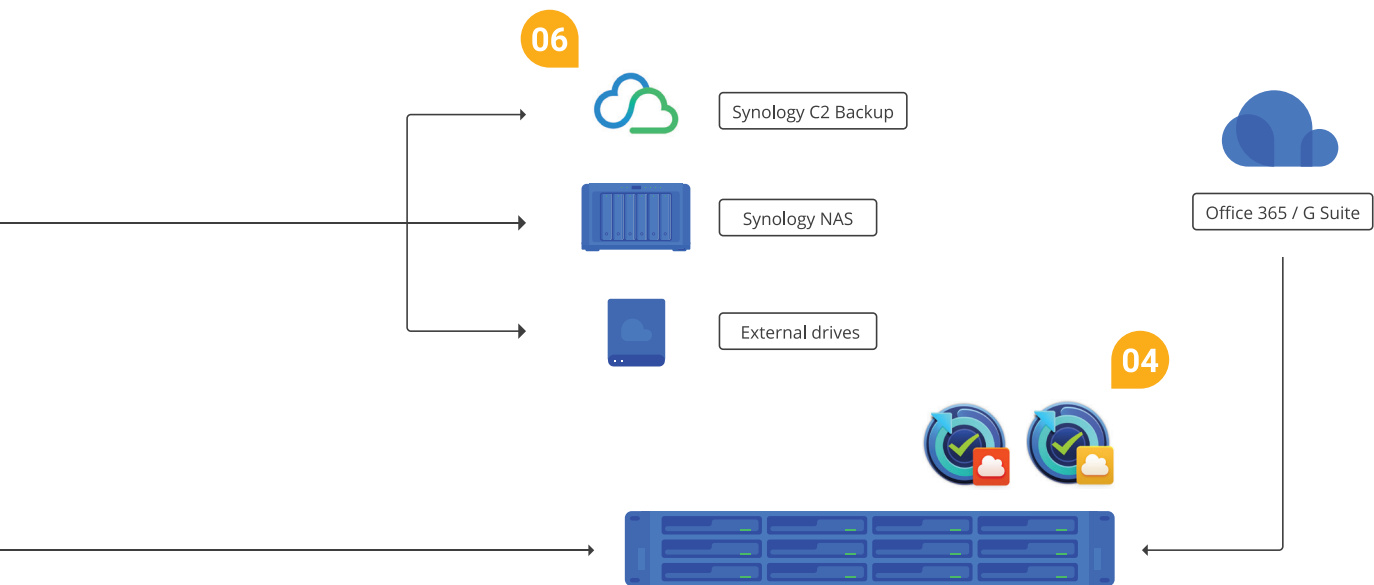
04 Active Backup for Office 365 / G Suite

- Support Office 365 SharePoint Online, OneDrive for Business, and Exchange Online backup
- Protect G Suite My Drive, Team Drive, mail, contacts, and calendar
- Self-recovery portal can be enabled to the administrator and Office 365 / G Suite users

05 Hyper Backup

- Back up data and system settings to another NAS, multiple cloud destinations, and USB drives
- The multi-version backup feature enables to retrieve data from various recovery points

06 Synology C2 Backup

- Flexible & affordable plans for multi-versioning and data deduplication
- Secure data privacy with end-to-end AES-256 client-side encryption
- Granular file recovery right from C2 web portal or Windows/Mac desktop utility

Model Recommendation

Synology provides a wide array of models from flash to disk for the needs of different business structures.

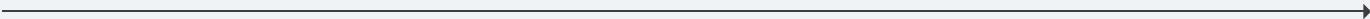| PC/VM Clients	<100	150	200	500	800+
Model	DS218+ DS718+ DS918+	DS1517+ RS818(RP)+	DS1618+ DS3018xs RS2818RP+	DS3617xs RS3618xs RS3617RPxs	RS3617xs+ RS4017xs+ SA3400

Virtualization Storage and Protection

Synology offers reliable, efficient storage solutions enabling disaster recovery for virtual environments, optimizing IT resource allocation and maximizing service uptime for large and demanding enterprises.
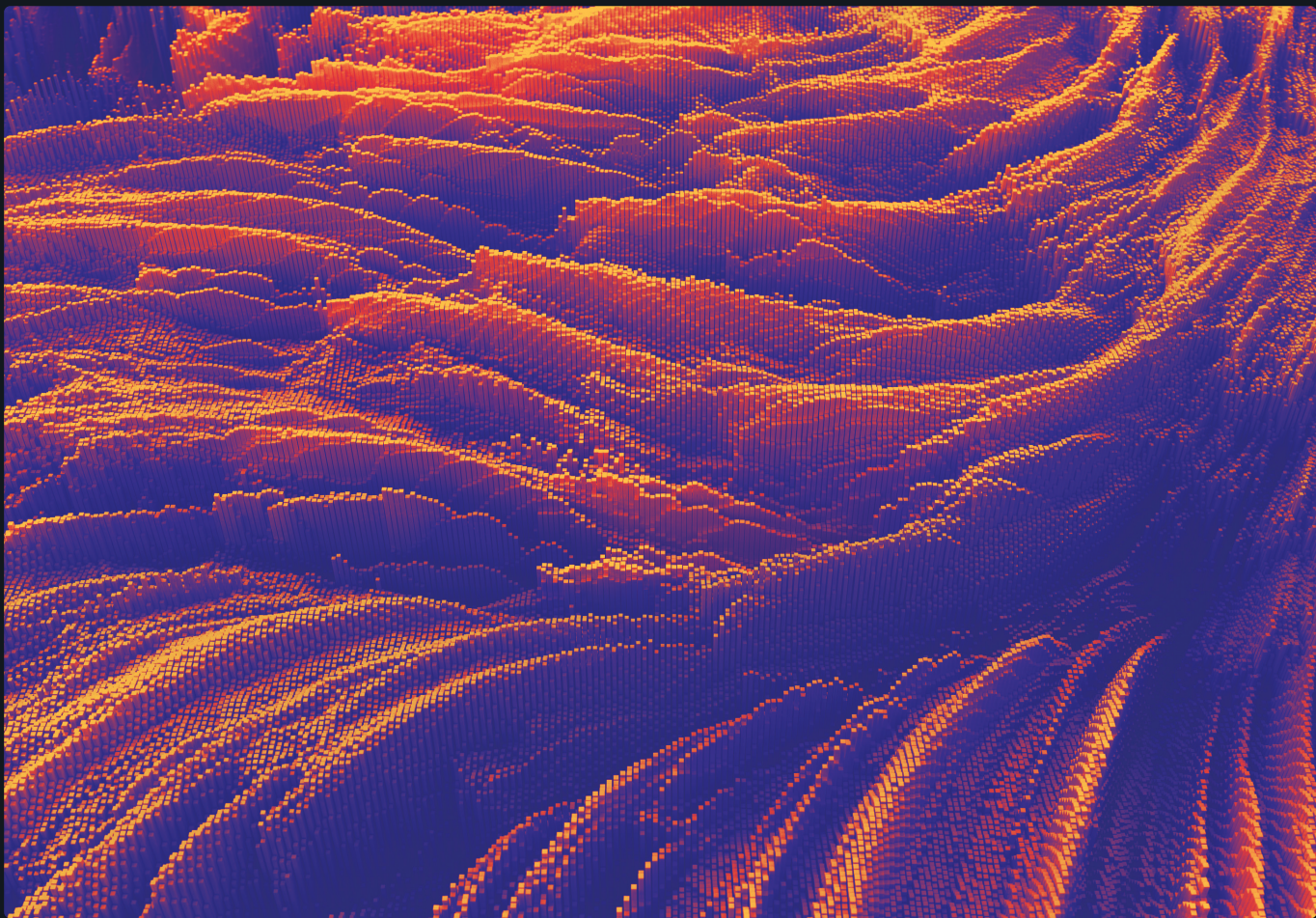

Chung Shan Medical University Hospital

The stability and excellent IOPS performance of Synology FlashStation are suitable for virtualization applications. The built-in Synology High Availability ensures stored virtual machines are workable at any time and flexible backup methods simplify the setup process."

- No more service disruptions after adopting Synology FlashStation with its high stability and IOPS performance
- Synology High Availability protects data and ensures service uptime
- Flexible retention and replication methods provide solid data protection

| VMware ESXi | Windows Hyper-V | PC |

03

Snapshot Replication

Synology NAS

02

01

Synology High Availability

Synology NAS
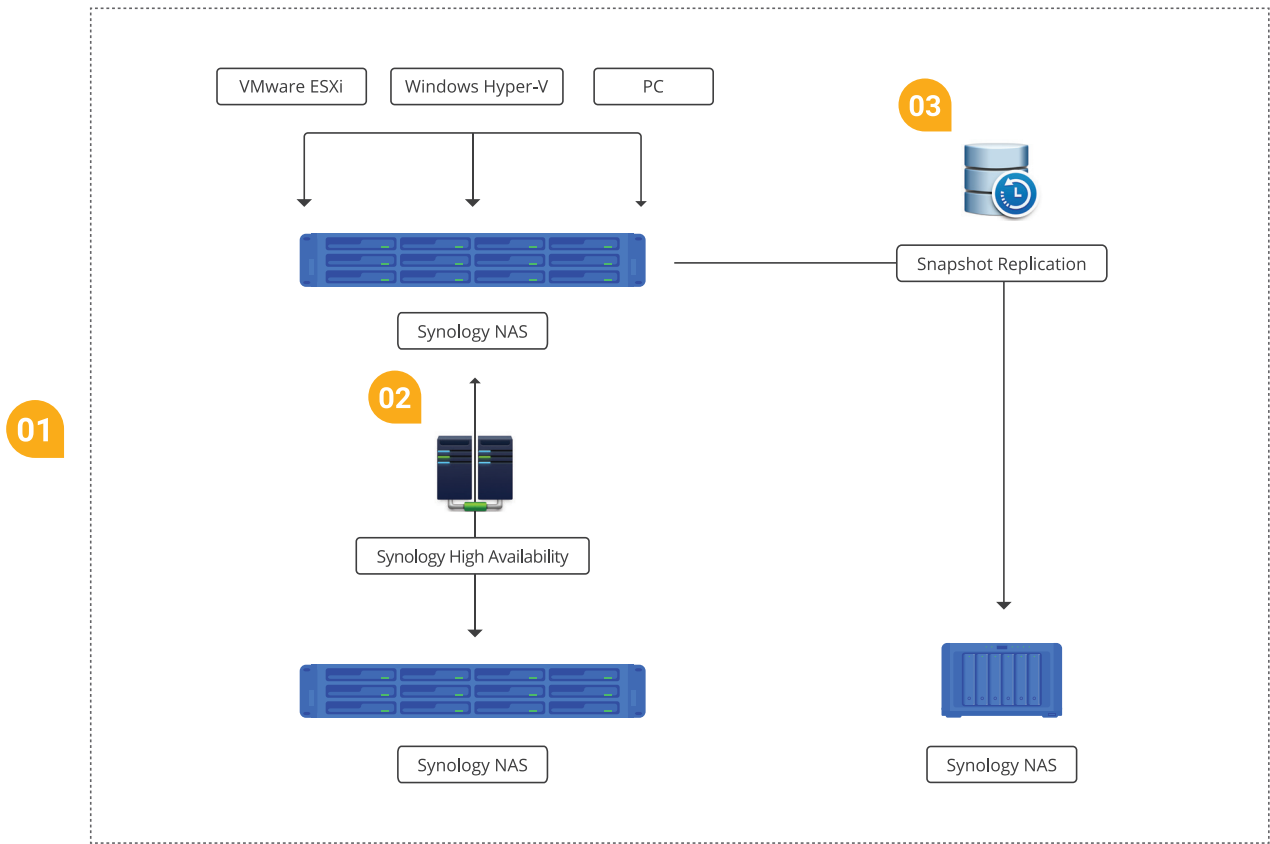
Synology NAS

01

Advanced LUN and Synology iSCSI Manager

- Advanced LUN provides faster snapshot creation, recovery, cloning, plus VAAI/ODX support for improved VM performance
- iSCSI Manager with an easy-to-use interface optimizes iSCSI management and monitoring tasks

02

Synology High Availability

- Instant data synchronization mechanism ensures stable service continuity
- Automatic failover minimizes the service transition between two servers within minutes
- Easy to set up with the built-in management tools and intuitive user interface

03

Snapshot Replication

- Instant protection of iSCSI LUNs with schedulable snapshots
- Flexible extended replication methods for different business structures
- Application-aware snapshots ensure data consistency of VMs

UC3200

- Active-Active infrastructure providing non-disruptive iSCSI service
- Resilient cache protection mechanism prevents data loss
- Single UI to effortlessly manage two controllers without complex settings

FS6400

- Intel® Xeon® 8-core 2.1GHz CPU, burst up to 3.0GHz
- 32GB DDR4 ECC R-DIMM, expandable up to 512GB
- Designed for I/O-intensive and latency sensitive applications

Intelligent Surveillance Deployment

Synology's surveillance solution realizes central management and intelligent analytics while driving down deployment costs, making sure all your enterprises' precious assets are well protected.

01

Switch

Synology High Availability
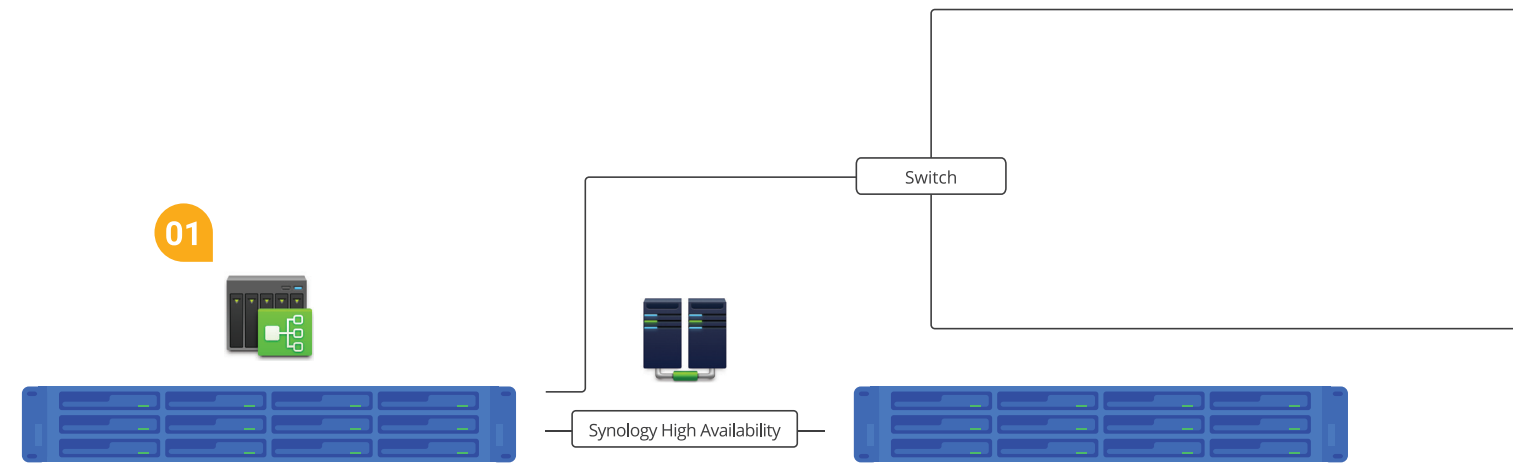
01

Surveillance CMS

- Single portal to manage live views, recordings, and alerts of your video surveillance system
- Support up to 300 NAS and 5,000 cameras
- No extra license fees for CMS features

02

CMS Failover

- Minimize service downtime and keep your recording tasks going as usual
- Flexibly decide whether to sync recordings back to the original server or not

03

Anywhere Access

- Support web browsers and dedicate client software
- iOS/ Android mobile app available to monitor anytime, anywhere
- PC-less and cost-effective TV wall solution
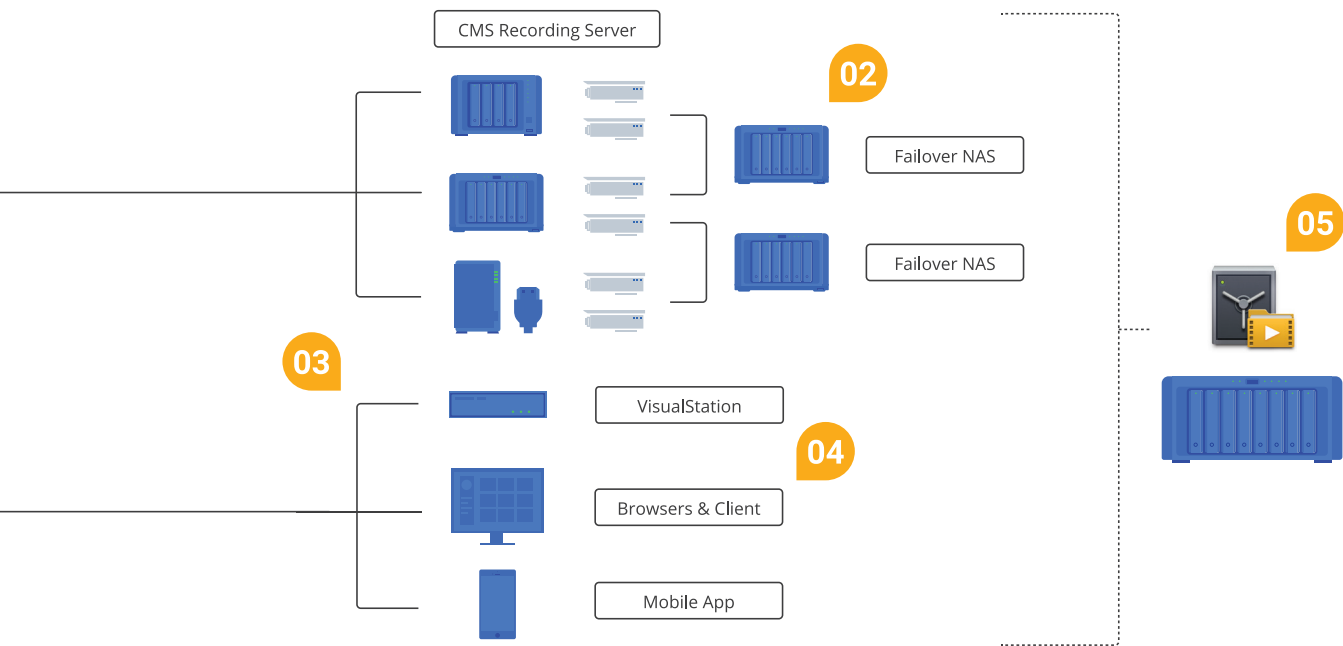

Holiday Inn®

Holiday Inn Riyadh

"

We've been very happy with Synology since we adopted its solutions 3 years ago. With Synology NAS in our organization, we don't have to worry about hotel surveillance at all."

Mohammed Hafiz, Group Information Technology Manager, IHG Group

- Surveillance Station Central Management System (CMS) adopted in all 3 hotels to achieve easy management of cameras, live feeds and recording footage via a single web portal
- Manage a total of 560 cameras and company data with 17 units of Synology RackStations and DiskStations

CMS Recording Server

02

Failover NAS

Failover NAS

05

03

VisualStation

04

Browsers & Client

Mobile App

04

Smart Search

- Search and collect valuable information
  from recordings
- Reduce time and effort required for the
  security personnel

05

Archive Vault

- Flexible retention policy and bandwidth control
- Customized task schedule

**PC-less surveillance live view and
playback solution**

**Scalable NVR integrated with
on-premises deep video analytics**

(intel)
inside™

VS960HD

- H.265 decoding support
- Dual HDMI for 4K/1080p output
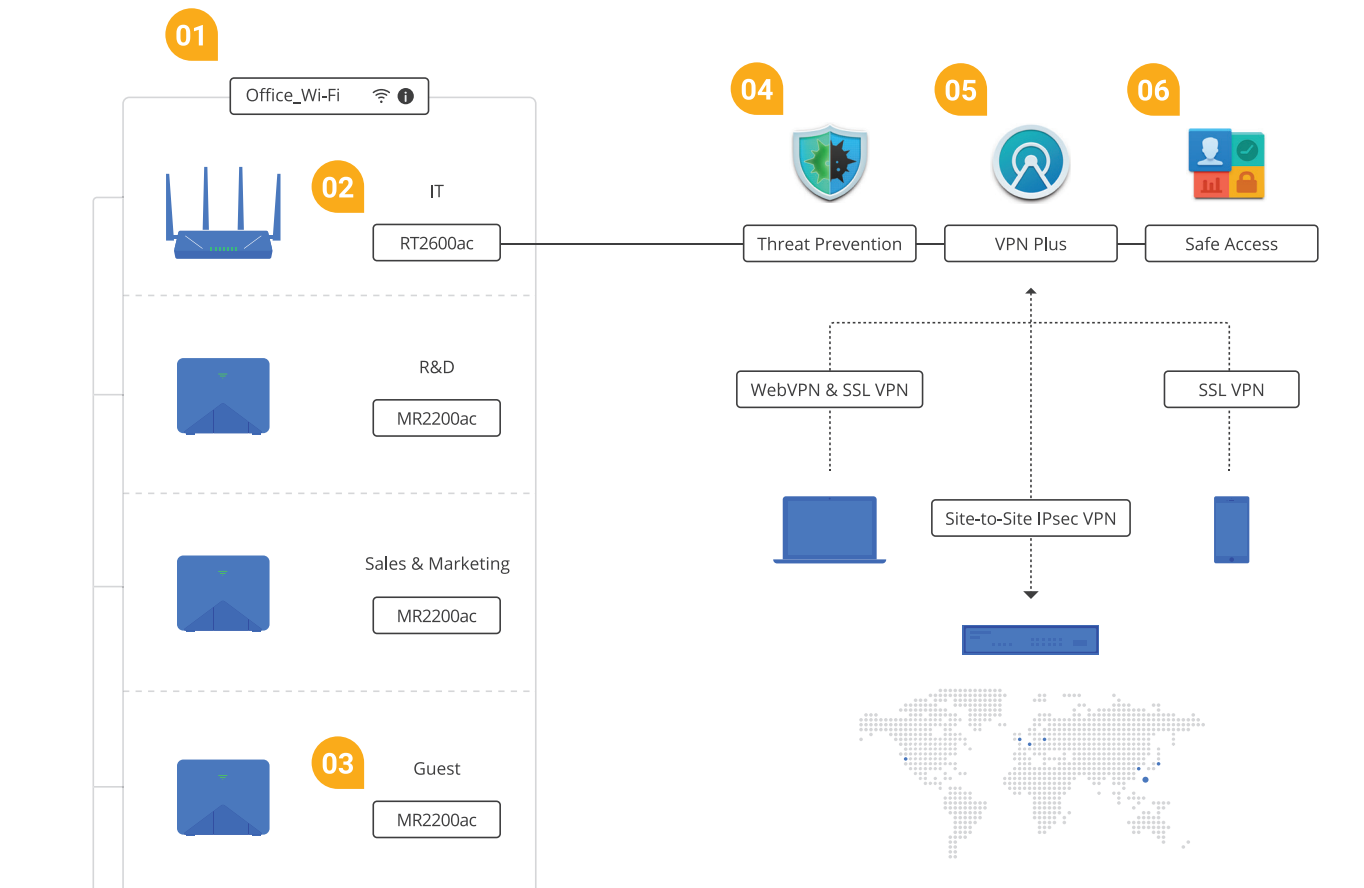- 96-channel HD live view

DVA3219

- Intel® Atom® 4-core 2.1GHz
- Powered by NVIDIA GTX graphic card
- Up to 32-channel IP cam recording

Robust Network Deployment

Synology Router coupled with Synology Router Manager delivers a smooth Internet connection via an intuitive management interface. Flexibly deploy Wi-Fi points and enjoy a fast and stable Wi-Fi connection while ensuring network security.

01 Office_Wi-Fi 📶 ⓘ

02 IT — RT2600ac

R&D — MR2200ac

Sales & Marketing — MR2200ac

03 Guest — MR2200ac

04 Threat Prevention

05 VPN Plus

06 Safe Access

WebVPN & SSL VPN

SSL VPN

Site-to-Site IPsec VPN

01

One Network, Secure & Scalable

- Single SSID wherever you go
- Seamless roaming with 802.11 k/v/r support
- WPA3 certified for next-gen Wi-Fi security
- Scalable to up to 1+12 nodes (via Ethernet) / 1+6 nodes (via Wi-Fi)

02

Advanced Network Management

- Device/app-based QoS to throttle unproductive apps or prioritize VoIP
- Traffic monitoring & reporting
- Smart WAN for load balancing & failover
- Windows AD/LDAP integration & RADIUS server for employee authentication

03

Guest Wi-Fi

- Customizable guest portal or splash page for Wi-Fi marketing
- Separate Wi-Fi schedule, auto password rotation & session time limit to prevent abuse

04

Threat Prevention

- Scan network traffic for malicious packets. Automatically drop them once identified
- No impact on throughput (RT2600ac)

05

VPN Plus

- Site-to-Site VPN connects headquarters & remote offices (works with IPsec-compatible products & Microsoft Azure)
- SSL VPN & WebVPN for telecommuting employees

**06**

Safe Access

Custom profiles for different types of users to enforce Internet usage policy

MARKETING	No restriction
FINANCE	White-listed websites only
GUEST NETWORK	No adult or violence

Collaboration Suite for Office Productivity

Seamlessly integrated with Synology Chat and Synology Calendar, Synology MailPlus makes itself a hub of task communications and scheduling. With the Chat and Calendar plug-ins, you can dive into project discussions and add emails to your to-do list right from MailPlus.

| Synology Drive | Synology Office | Synology MailPlus | Synology Chat | Synology Calendar |
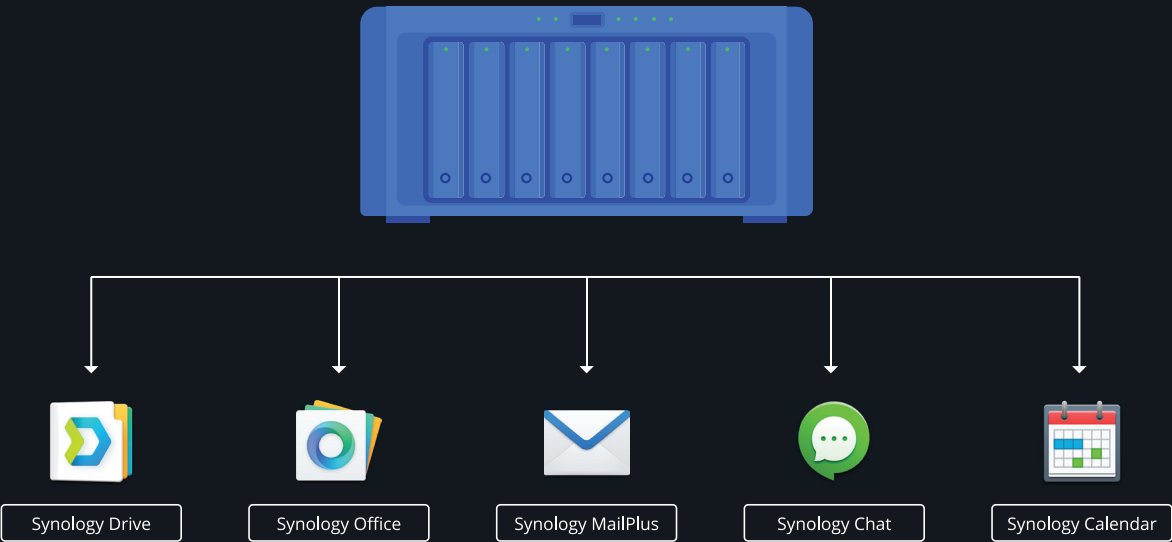
Synology MailPlus

- Provide intuitive web-based client or MailPlus mobile app allowing users to manage mails on the go
- Maximize mail service uptime during system upgrades and hardware replacements by High Availability Mechanism
- Provide a hassle-free experience to migrate emails from G Suite and Exchange to Synology MailPlus
- Provide a GDPR-compliant solution to search/export/delete emails across the whole server

Synology Chat

- All messages are securely stored on Synology NAS, ensuring any business confidential information won't be revealed via third-party messaging services
- Offer a web browser client, brand-new desktop client designed for Windows, macOS, Linux platforms, and iOS/Android mobile apps
- Support searching to hide inappropriate content or delete messages across the whole Chat Server to meet GDPR requirements

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IJY SHENG

IJYSHENG

"

Synology MailPlus is a web-based package supporting backa-end AD integration, remote login maintenance, and simple backup configurations. Users can also restore accidentally deleted mails with ease. MailPlus just satisfies every email management need."

- Synology MailPlus: Provide intuitive user and management interfaces and also support iOS and Android mobile devices
- Synology Chat: Create a new platform capable of meeting the internal management needs and providing high efficiency

New Naming Rules

Trusted by some of the best and brightest minds in the IT industry with more than six million installations, Synology is committed to transforming the way businesses manage their data – elegantly simple, secure, and reliable, with more complete high-end product lines.

UC3200

UC: Unified Controller

3: CPU platform based on performance

2: CPU performance. The higher the number, the more powerful the CPU is

0: Product 1st generation

0: Reserve digit

SA3400

SA: SAS

3: CPU platform based on performance

4: CPU performance. The higher the number, the more powerful the CPU is

0: Product 1st generation

0: Reserve digit

FS6400

FS: FlashStation

6: CPU platform based on performance

4: CPU performance. The higher the number, the more powerful the CPU is

0: Product 1st generation

0: Reserve digit

DVA3219

DVA: Deep Video Analytics

32: Up to 32-ch IP cameras support

19: Product year

Synology®

**SYNOLOGY
INC.**

9F., No.1, Yuandong Rd., Banqiao
Dist., New Taipei City 220,
Taiwan
Tel: +886 2 2955 4000

**SYNOLOGY
AMERICA CORP.**

3535 Factoria Blvd SE, Suite #200,
Bellevue, WA 98006,
USA
Tel: +1 425 818 1587

**SYNOLOGY
GMBH**

Grafenberger Allee 125
40237 Düsseldorf,
Deutschland
Tel: +49 211 9666 9666

**SYNOLOGY
JAPAN CO., LTD.**

4F, 3-1-2, Higashikanda,
Chiyoda-ku
Tokyo, 101-003
Japan

**SYNOLOGY
SHANGHAI**

200070, Room 201, No. 511,
Tianmu W. Rd., Jingan Dist.,
Shanghai,
China

**SYNOLOGY
UK LTD.**

Unit 5 Danbury Court, Linford Wood,
Milton Keynes, MK14 6PL,
United Kingdom
Tel: +44(0)1908 048028