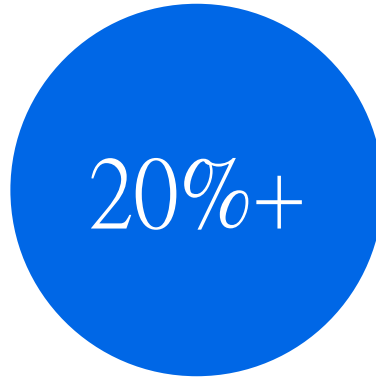




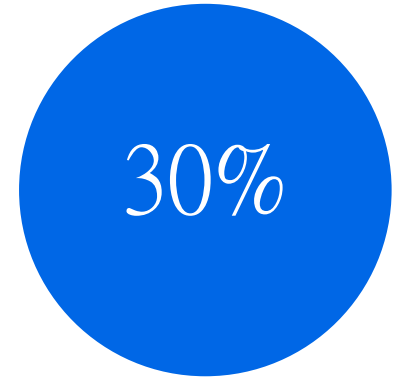
Alexandra Bejan  
Marketing Manager



Active NAS units



Global Revenue Growth



Enterprise-grade model  
growth



# Innovation

Stability  Security

# Stability

## DSM 6.2

Hundreds of thousands of codes were added for each major update

Over 25,000 test items verified

Over 71,000 NAS participated



# Security

In 2017, the first CNA in Taiwan

In 2018, joined FIRST, the international product security community

Bounty Program running since 2016





Storage



Backup



Networking



Deep Learning





Synology

SMART  
STREAMLINED  
SOLID

2019

# Delicate Experience

## Overall Evolution of DSM Platform



Richard Weyts  
Synology Product Manager

Nicolas Henri  
South Western Europe Support Manager





# Delicate Experience Overall Evolution of DSM Platform

User Experience

Approachable & diverse user experience

Storage Security

Evolved storage safety

Management

Efficient management on different scales



# Enjoy Greater Privileges!

Imagine a wonderful trip with your family or friends, tasting exotic food, enjoying beautiful scenery, and experiencing a whole new culture. Infinity MileageLands members can save up to 25,000 miles by booking EVA Air or UNI Air tickets on certain travel dates!

[Log in](#) [SSO Authentication](#)

Synology2019

jefflee@synology.com

••••••••

☐ Stay signed in



[Forgot your password?](#)





# DSM 7.0

Smooth user  
experience

User-friendly  
visual design

Enhanced  
guidance  
interactions



## Greater Privileges!

wonderful trip with your family or friends, tasting exotic food, enjoying beautiful scenery and experiencing a culture. Infinity MileageLands members can save up to 25,000 miles by booking EVA Air or UNI Air tickets on travel dates!

[Log in](#)   [SSO Authentication](#)

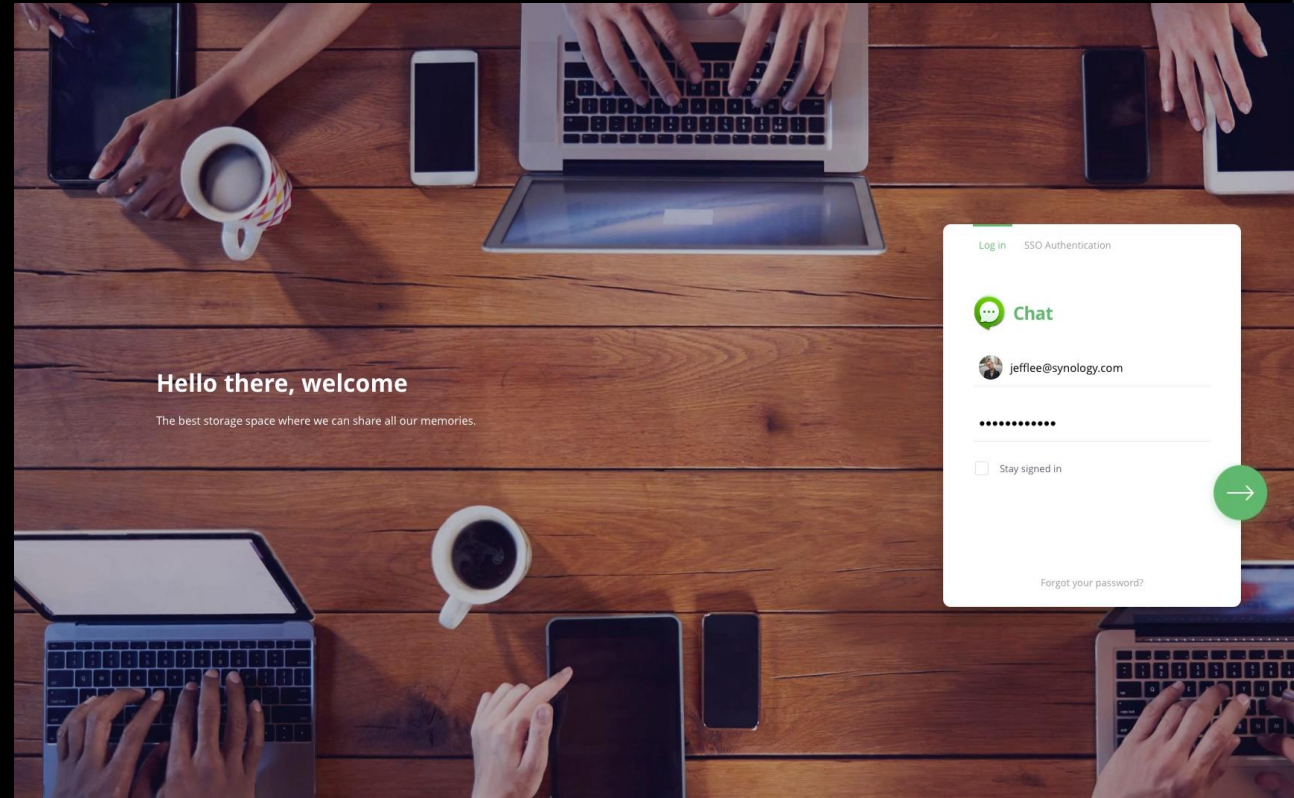
Synology2019

jefflee@synology.com

••••••••

☐ Stay signed in


[Forgot your password?](#)




## Hello there, welcome

The best storage space where we can share all our memories.

[Log in](#)   [SSO Authentication](#)

 Chat

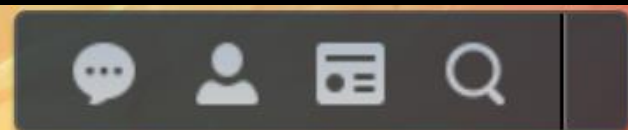
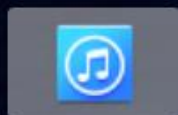
 jefflee@synology.com

••••••••

☐ Stay signed in

[Forgot your password?](#)





Package  
Center



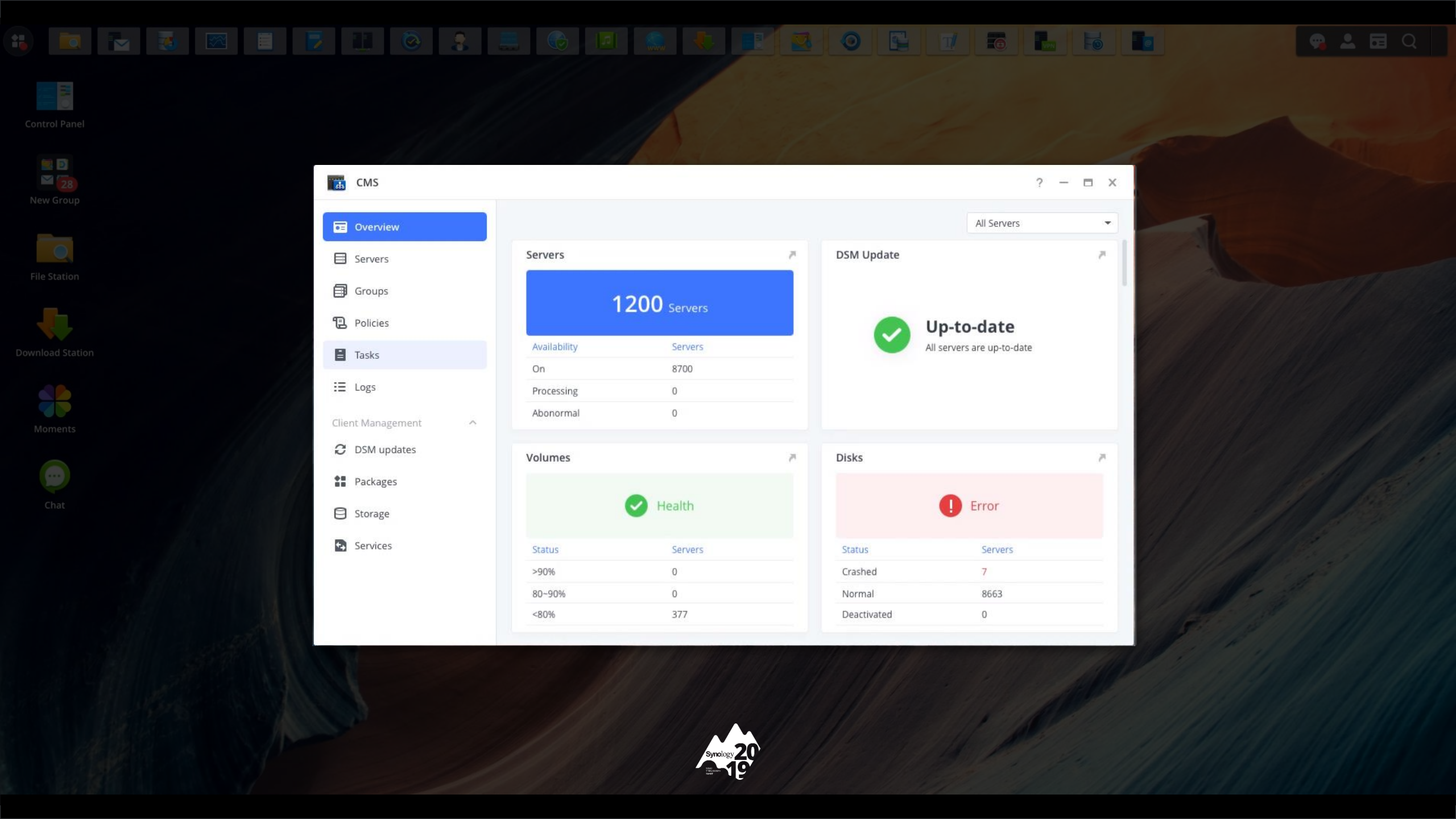
Control Panel



File Station







- Control Panel
- New Group
- File Station
- Download Station
- Moments
- Chat

CMS

Overview

Servers

Groups

Policies

Tasks

Logs

Client Management

DSM updates

Packages

Storage

Services

All Servers

Servers

1200 Servers

Availability	Servers
On	8700
Processing	0
Abonormal	0

Volumes

Health

Status	Servers
>90%	0
80~90%	0
<80%	377

DSM Update

Up-to-date

All servers are up-to-date

Disks

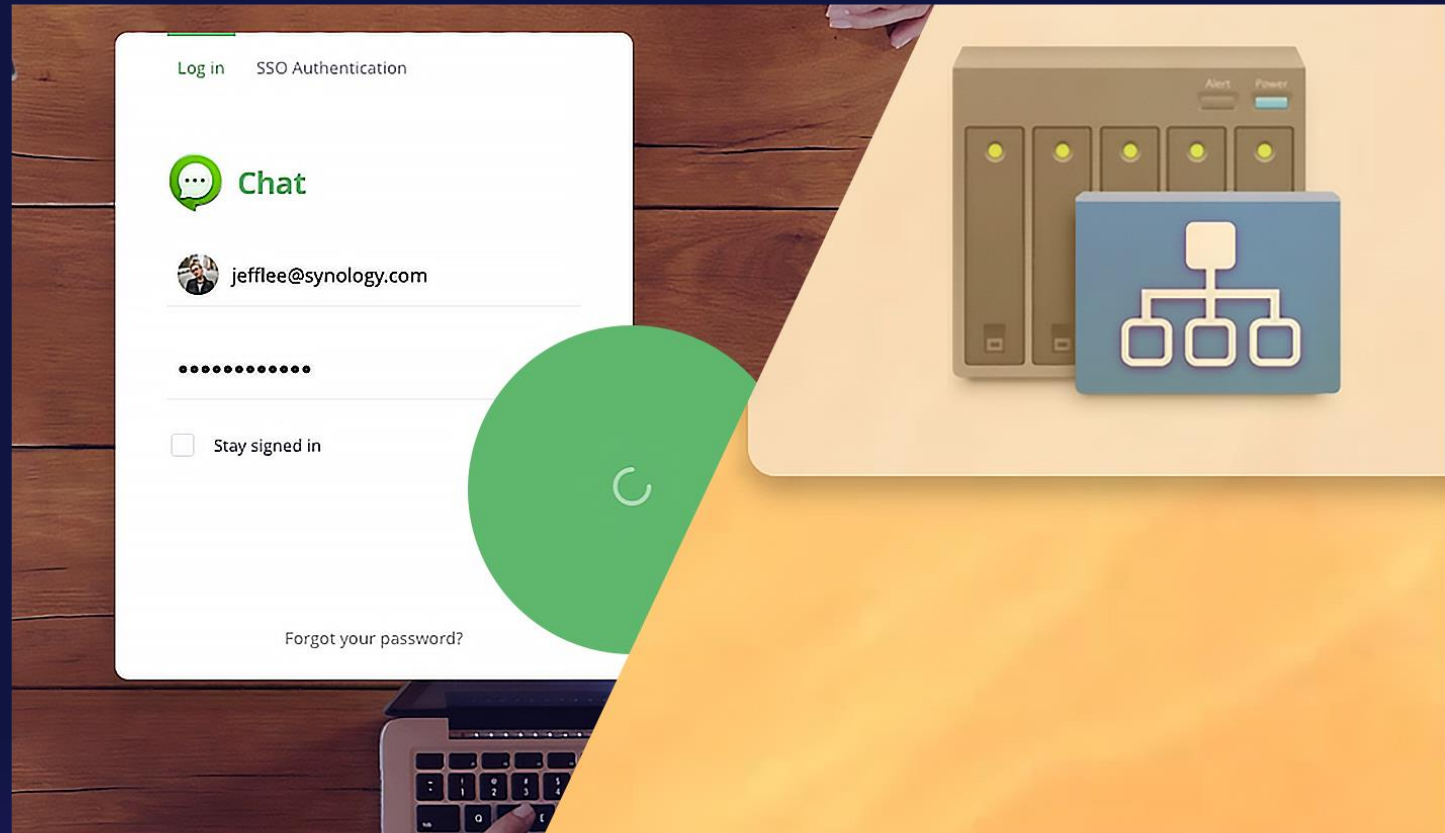
Error

Status	Servers
Crashed	7
Normal	8663
Deactivated	0



# Multiple Guidance Design

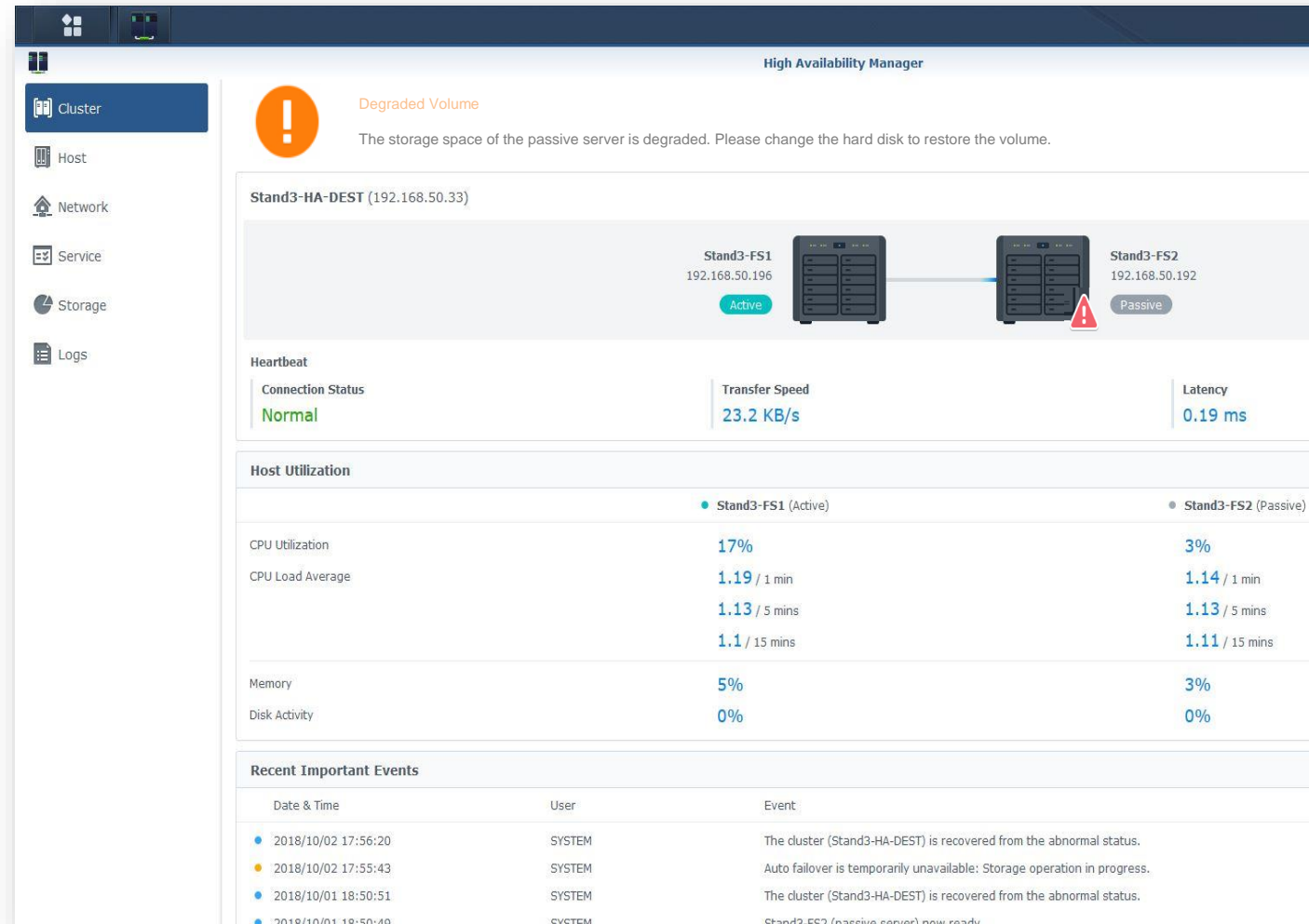
Some feedback for control interaction  
Achieving true “smooth” operation from  
users’ perspective



# Multiple Guidance Design

Guidance information

Grasp the crucial information, getting down to it at once



# QR code sign-in, simpler than ever

1 unique URL concatenate to all applications

Magic entrance to Synology services

<http://go.synology.com>

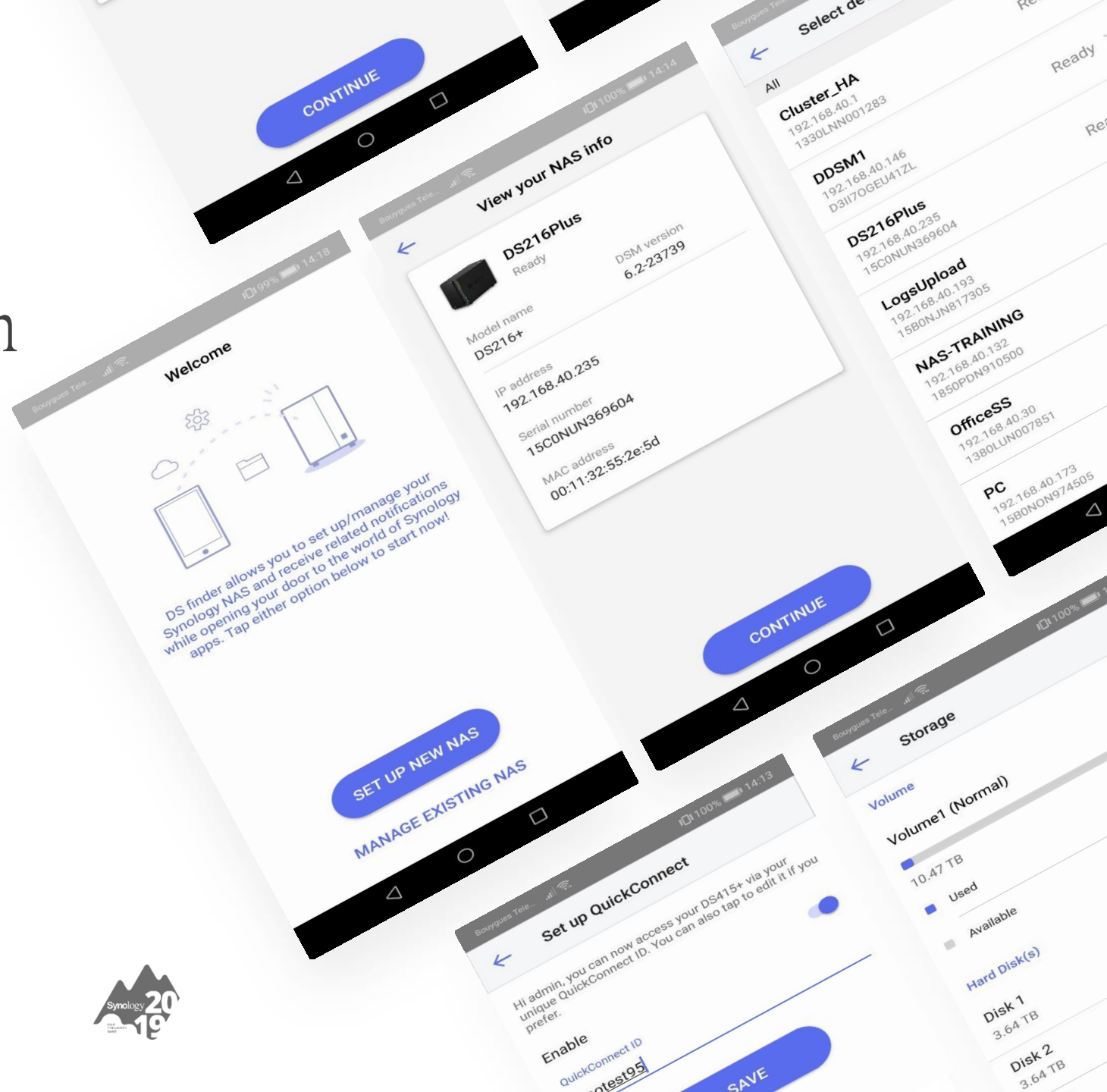


# Smooth Mobile Installation

Installing DSM right from your mobile phone.

A mobile and simplified APP for users to check up the status of their NAS at anytime.

Easy to switch to other Synology APPs.







DS file



DS photo



DS video



DS audio



SynologyDrive



Synology  
Moments



DS finder



DS cloud



DS get



Synology  
Chat



DS cam



DS note



DS router



Synology  
VPN Plus



Synology  
Mail Plus



# Moments

Designed for personal and home users

A brand new photo solution



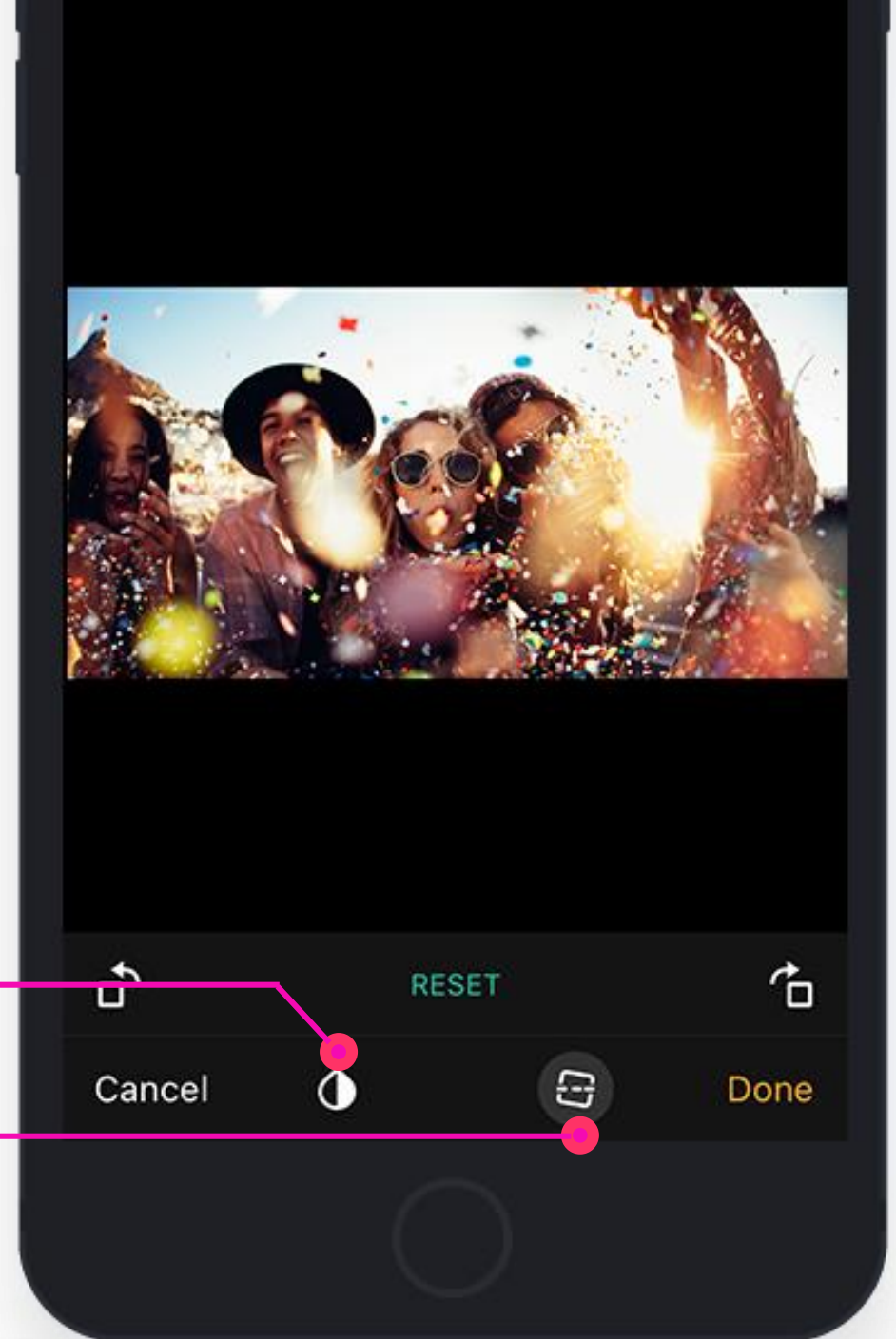
# One tap, brings photos to live

Live Photo: feasting your eye with vivid colors

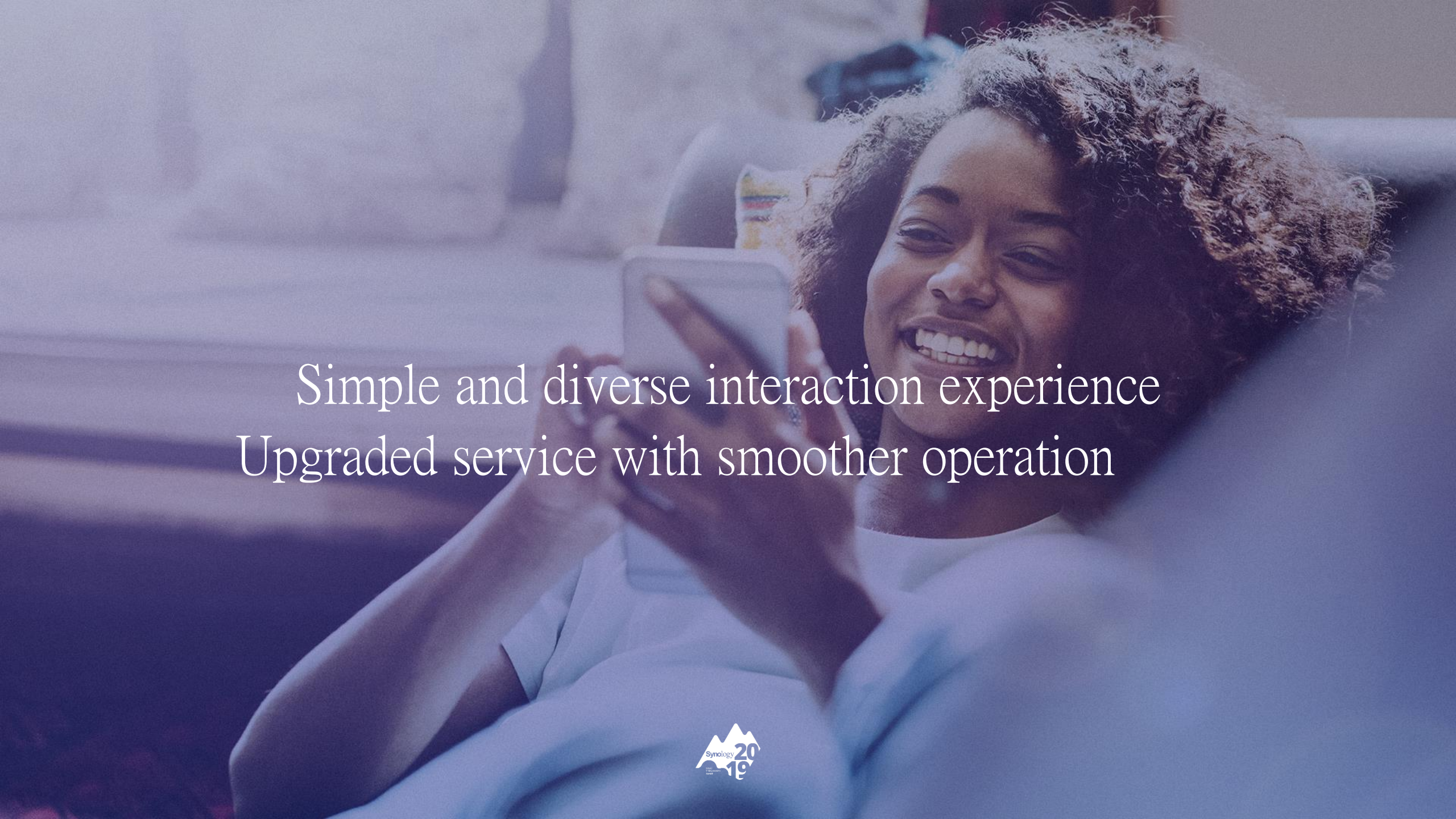
Auto color correction, and angle correction

Color Correction

Angular Adjustment





A woman with curly hair is smiling while looking at her smartphone. The image has a blue tint and a semi-transparent dark blue overlay. The text is centered in a white serif font.

Simple and diverse interaction experience  
Upgraded service with smoother operation

# The Highest Standard for Data security







# Rapid RAID rebuilds

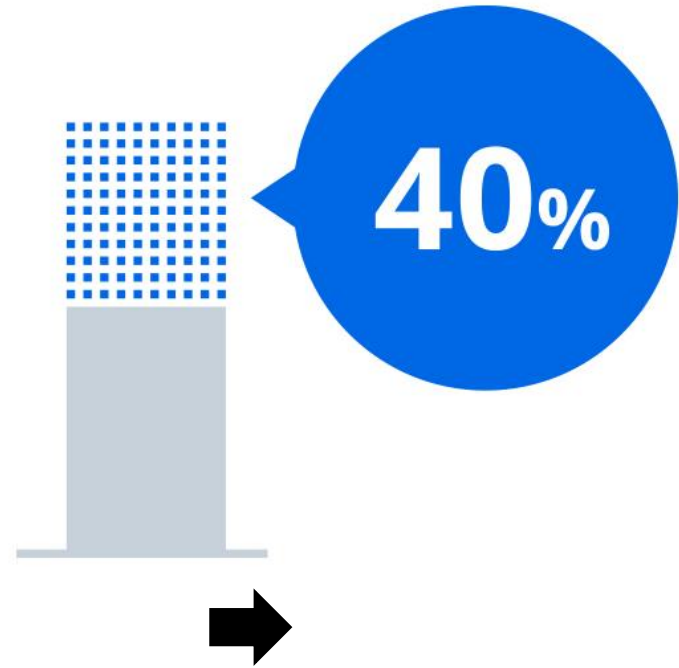
Patent application in progress



# Recovery Time

8 hrs

3 hrs

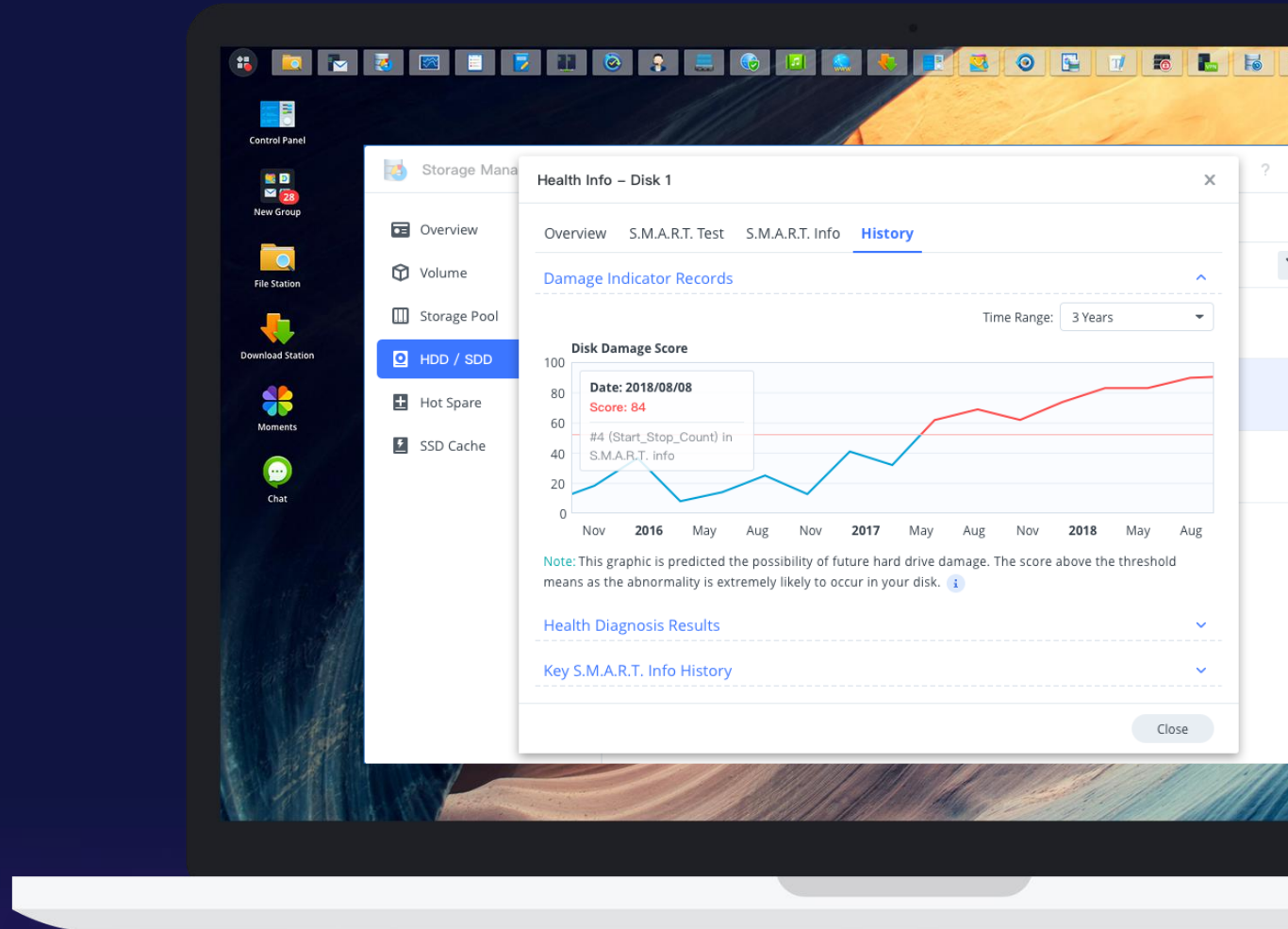


Test environment: RAID 5 is built using 3x HDD (4TB) with 40% usage

# HDD Failure Prediction

300 million HDDs, predict failure tendency through Machine Learning

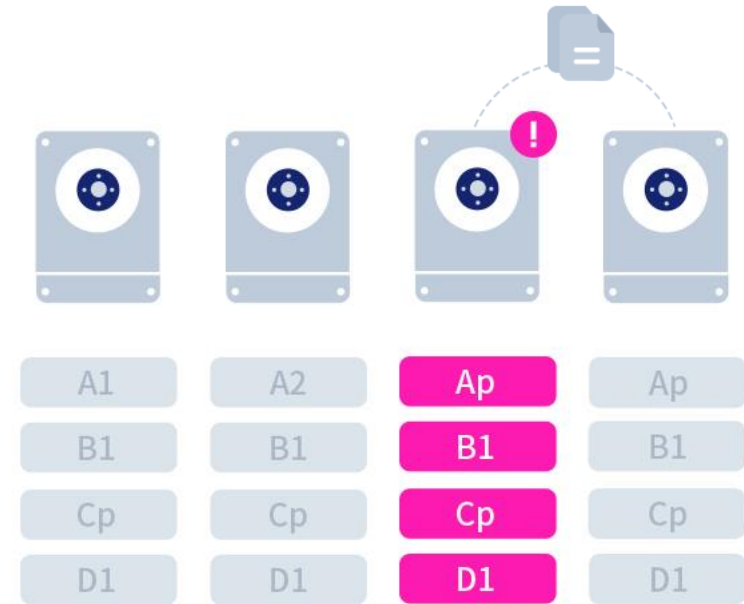
Illustrated through visualized graphs and charts  
90% accuracy rate



# HDD Replacement

No affect on RAID configuration and no need to recalculate parity

Saves time and system resource





# HDD Replacement

No affect on RAID configuration and no need to recalculate parity

Saves time and system resource



# Risk-free Storage Space Management

## Robust protection

HDD replacement

Failure prediction

## Quick return

Rapid Rebuilds



# Efficient Management on Large Scales





# KRYS GROUP

The leading optical industry in France

Adopts CMS to deploy and manages

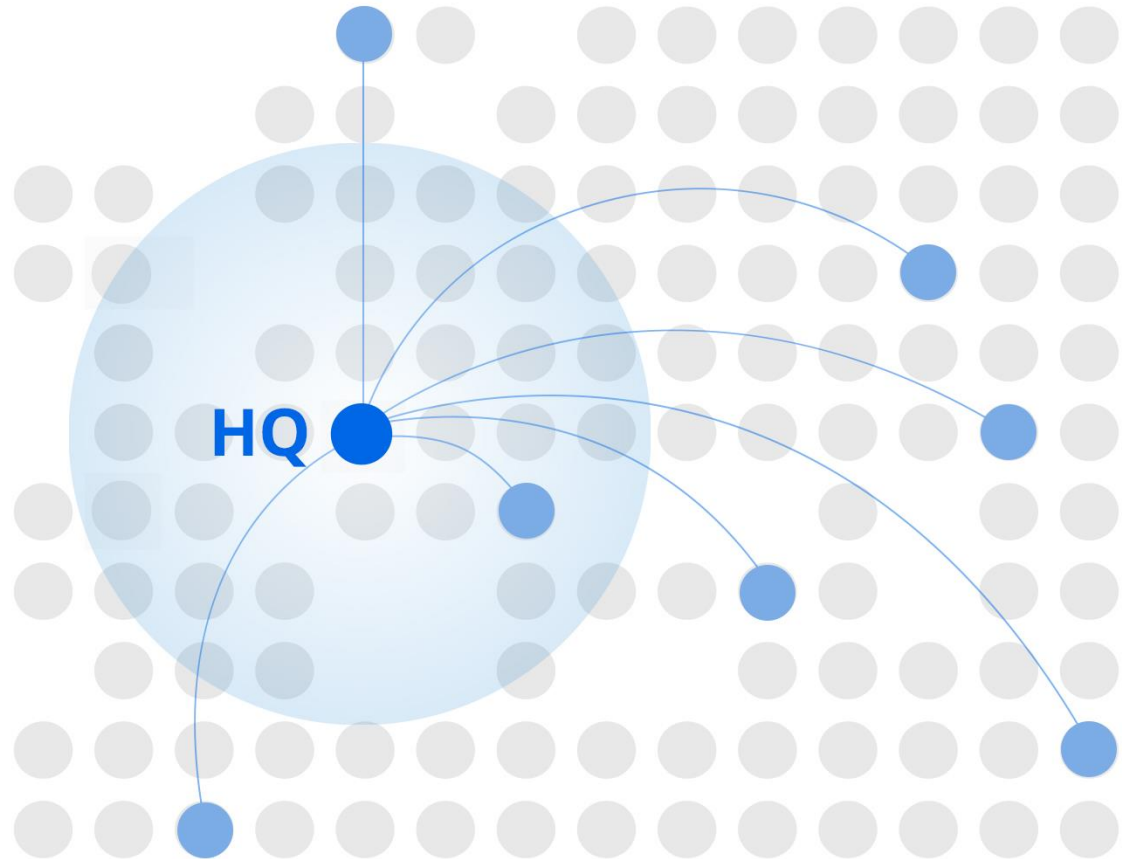
1,350 NAS



# CMS

Centralized server management

Satisfying demands for large business deployment



# 10,000

Server Management



# CMS

Capacity of 10,000 servers

Intuitive user interface, enabling more efficient & intuitive group management

Capable of setting management policies and customizing task managements

**Servers**

10000 Servers

Availability	Servers
On	10000
Processing	0
Abnormal	0

**CLIENT MANAGEMENT**

- DSM Update
- Packages
- Storage
- Services

**Volumes**

Warning

Status	Servers
>90%	32
80~90%	134
<80%	9539

**Disks**

Healthy

Status	Servers
Normal	9903
Crashed	0
Deactivated	97

**Packages**

Package Name	Running	Abnormal	Stopped	Not installed
Surveillance Station	109	2	7	9878
Hyper Backup	885	22	0	9089
Snapshot Replication	2028	12	2	7680
Virtual Machine Manage	1392	20	2	8558

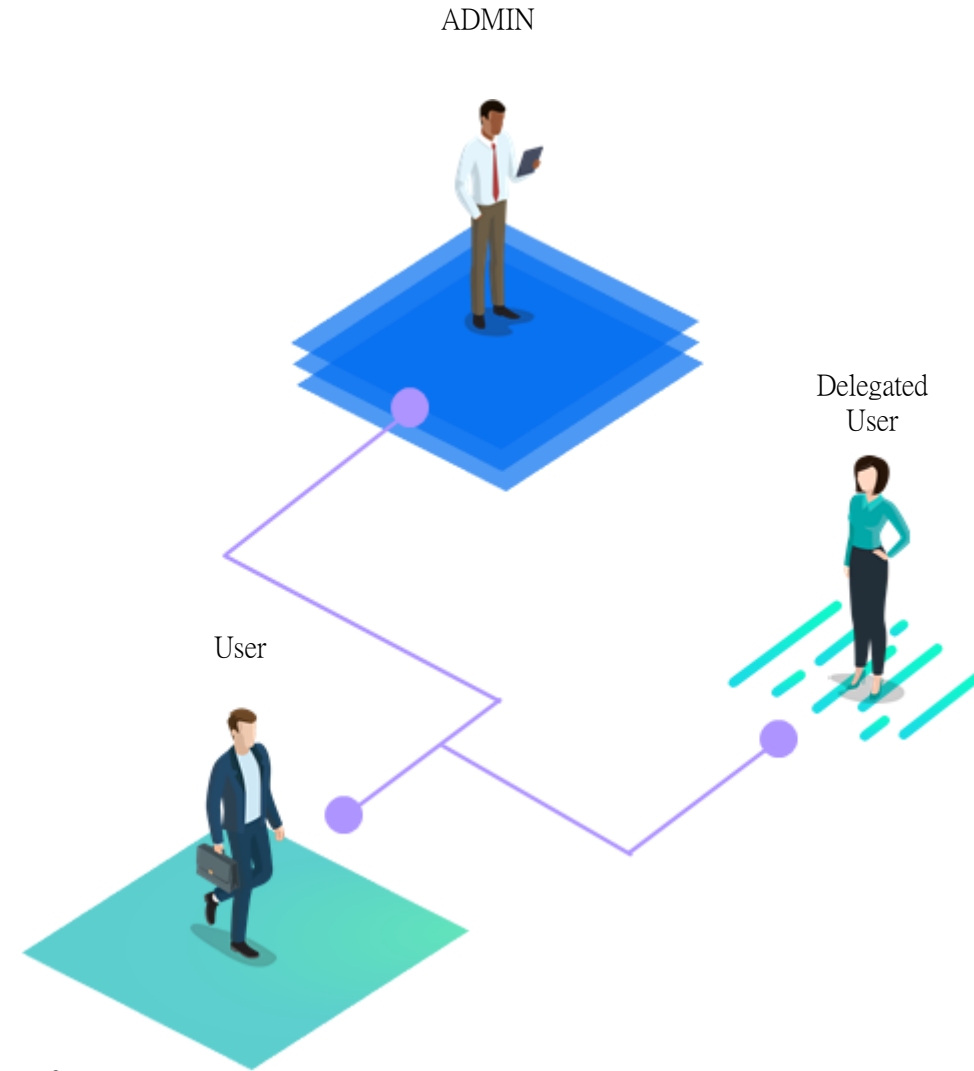
Synology 2019



# Authorization management

Designating daily management tasks to trusted subordinates

Both safe and flexible delegation management system





# Directory Server For Windows Domain

# A Cost-effective Directory Management Solution

Seamlessly migration from Windows AD

Unhindered by high license fee

Supports GPO, roaming profile, and other features



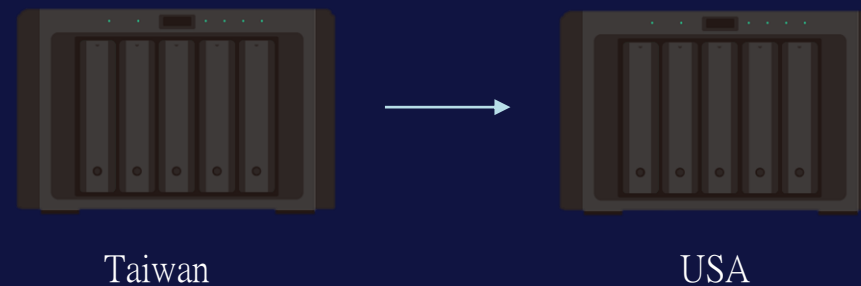
## Dual active controller

Covers load balancing & failover features



## Read-only domain controller (RODC)

Cross-site and real-time security confirmation





Over the past three years, 50% of  
the companies has encountered  
permanent data loss





# Active Backup Suite

# Active Backup Suite

Local file backup

Backup of public cloud service

Virtual  
Machine

Server

PC

Office 365

G Suite



# Backup Solution Trusted by Enterprises



We can highlight among the [backup](#) solutions [Active Backup for Business](#). This package, totally free, is Synology's [all-in-one backup solution](#). It allows you to make backup copies of one or several computers, servers or virtual machines to [protect](#) your data and [save](#) it in a NAS of Synology



Simplifying the complicated backup process for data center. Not only [server](#) and [file server](#), but also [virtual machine](#) can be backed up efficiently and [restored rapidly](#).

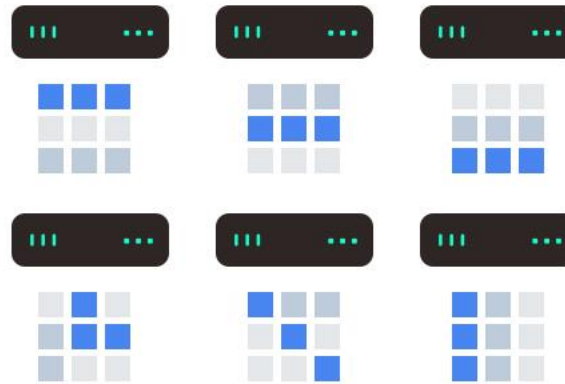


Satisfied with the [friendly UI](#), [efficient backup service](#) and [rapid restoration](#). If you're searching for a time-saving and non-disruptive solution, we recommend Synology as your first choice.



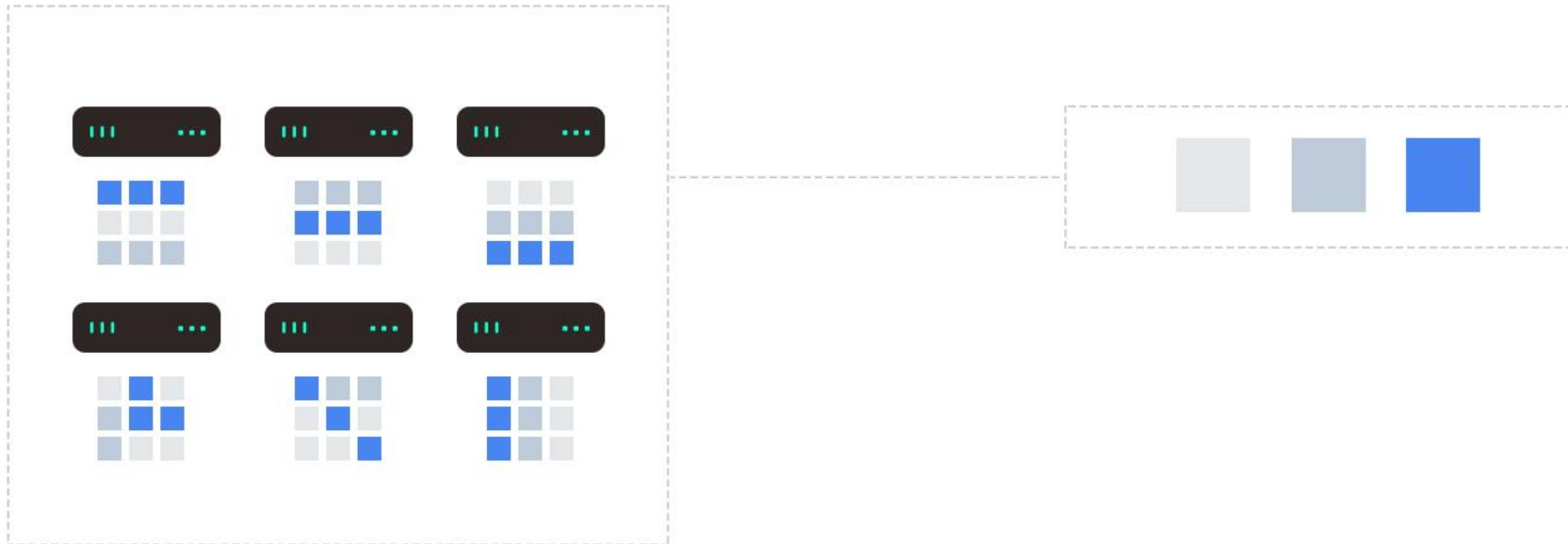


# Shiseido – Example for deduplication for the whole domain



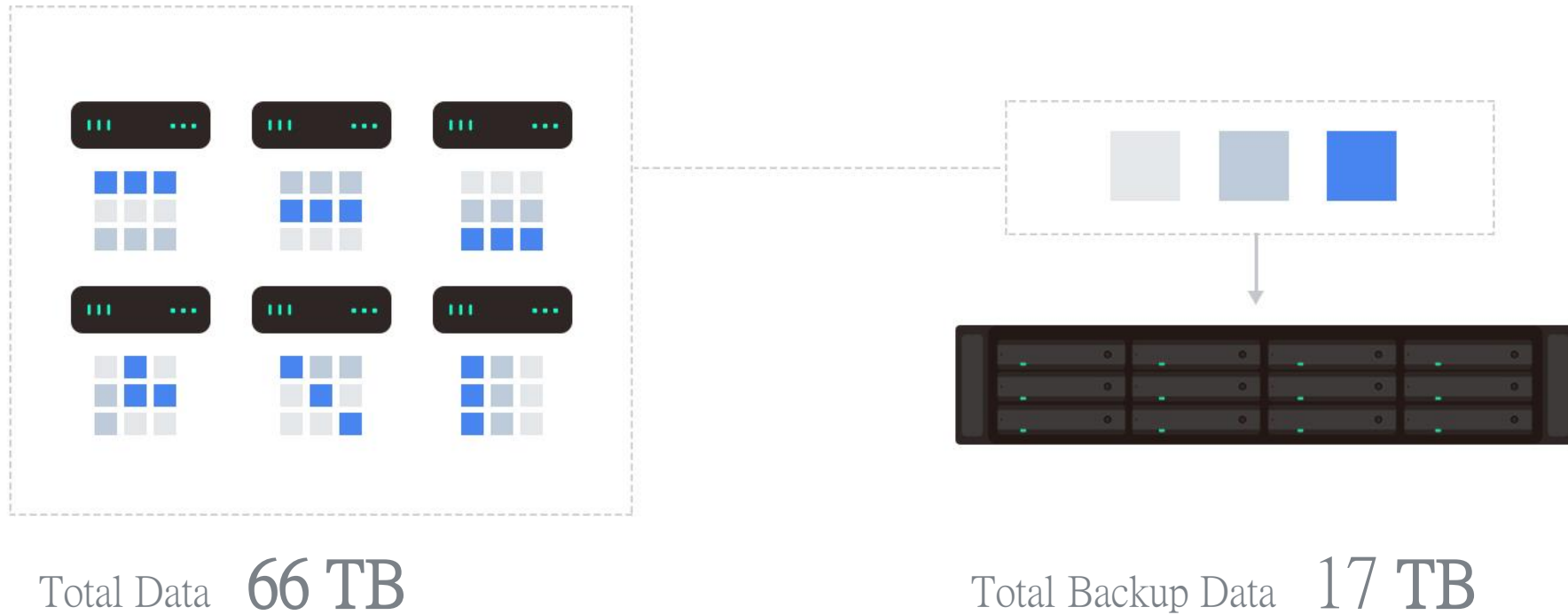
Total Data 66 TB

# Shiseido – Example for deduplication for the whole domain



Total Data 66 TB

# Shiseido – Example for deduplication for the whole domain





Active Backup Suite

# Commercial NAS Backup Storage





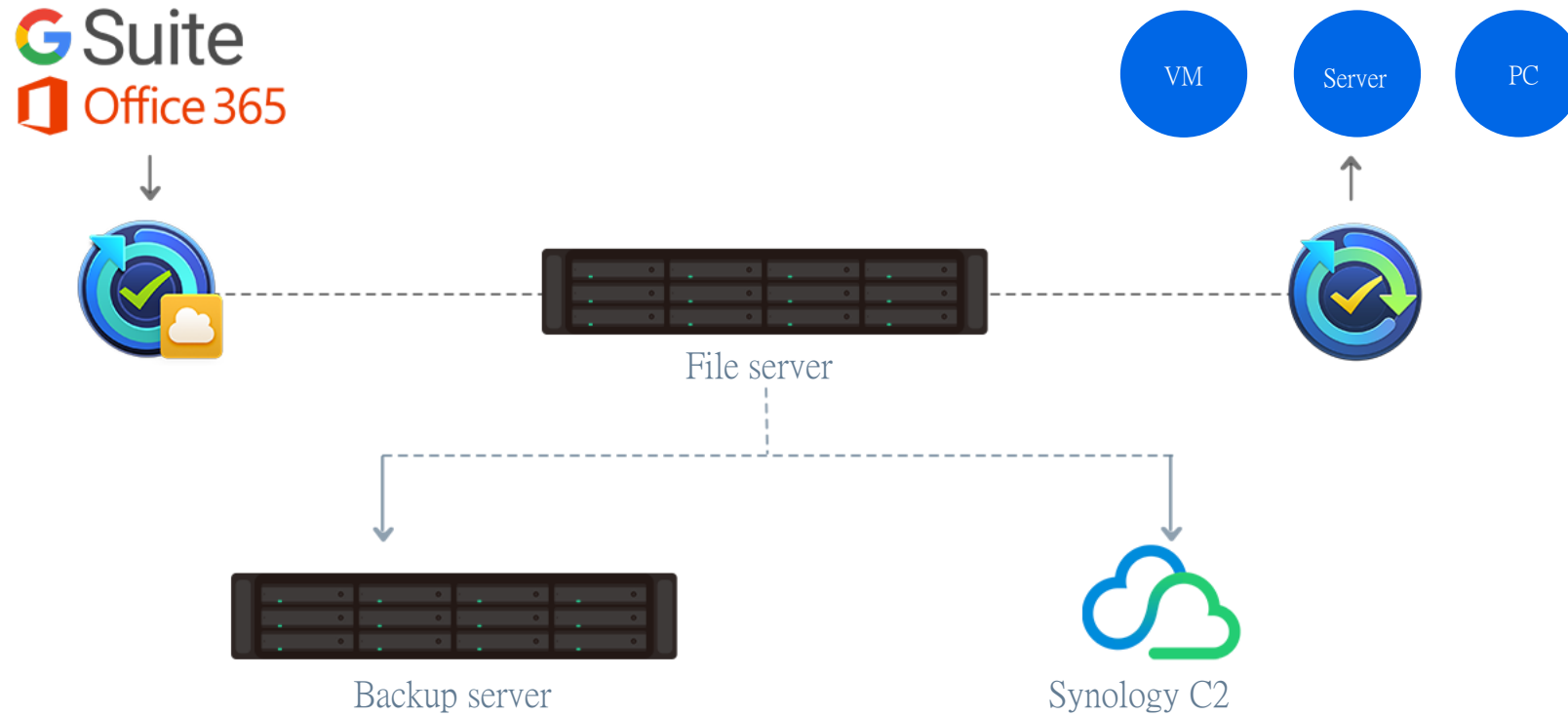


Active Backup Suite

Free Software Provided



# Full-featured Commercial Backup Strategy



A photograph of two men in a server room. The man in the foreground is bald with a beard, wearing a dark hoodie, and is holding a laptop. The man behind him has grey hair and is wearing a suit jacket over a light blue shirt. They are both looking at the laptop screen with interest. The background shows rows of server racks with blue lighting.

Business Management and Protection  
Efficient. Flexible. Simplified





Two is one, and one is none.

- US Navy Seal





# Unified Controller – UC300

Dedicated [iSCSI](#) server, equipped with active-active controller



# Unified Controller – UC300

Enterprise level dual-active controller

Intel® Xeon® quad-core processor

NTB efficient synchronization interface



# Unified Controller – UC300

Highly effective and cost-effective dual active controller.

Features high-availability, achieves load balancing ensures computing resource is always active.

Operate over 100K IOPs.

No single point of damage.

No service can be provided due to damage to individual components.



# Unified Controller – UC300

No single point failure

Service is still available even if one of the component is damaged

Non-disruptive iSCSI service

Non-disruptive during HW/SW upgrade

Non-disruptive during unforeseeable malfunction



# Unified Controller UC300

- Over 100K IOPS of enterprise level of performance
- Simulating real life enterprise service
- Service switching time is faster than same level product





Login to your account | NodeBB

Home / Login

Username / Email

admin

Password

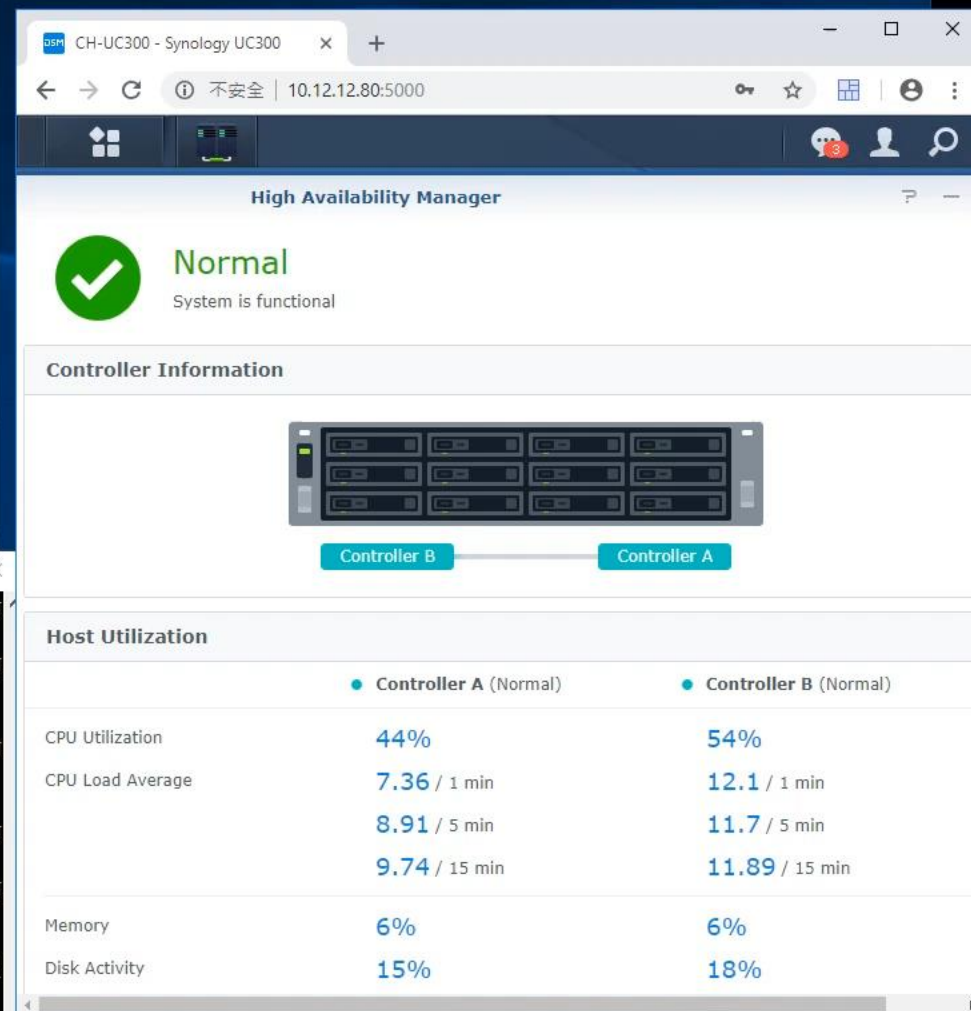
.....

☒ Remember Me?

Login

Don't have an account? [Register](#) [Forgot Password?](#)

```
root@taipeidemo-virtual-machine: ~/kernel/linux-4.18.7
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/g
pio/nv10.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/g
pio/nv50.o
CC [M] net/bluetooth/rfcomm/sock.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/g
pio/g94.o
CC [M] net/bluetooth/rfcomm/tty.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/g
pio/gf119.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/g
pio/gk104.o
LD [M] net/bluetooth/rfcomm/rfcomm.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/i
2c/base.o
CC [M] net/bluetooth/af_bluetooth.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/i
2c/nv04.o
CC [M] net/bluetooth/hci_core.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/i
2c/nv4e.o
CC [M] drivers/gpu/drm/nouveau/nvkm/subdev/i
2c/nv50.o
```



vSphere - demo-ubuntu-lun2-2 x demo-ubuntu-lun1-2

demo-ubuntu-lun1-2

強制使用美式鍵盤配置 檢視全螢幕 傳送 Ctrl+Alt+Delete

Logstalgia

Wednesday, April 22, 2009 15:47:04

aol.com

ask.com

comcast.net

192.240.42-

CSS

/styles/msie7.css

Script

/js/adclicent.js

/js/menu.js

Images

/images/\* (17)

Misc

/adclick.php?c=\* (3)

/gallery.php?section=busin

/gallery.php?section=entert

/latest.php?category=natio

/news.html

/stories.php?date=2007

/stories/entertainment/0\*

00015023



**53499.16**  
All Managers - Total I/Os per Second

Settings

Total I/Os per Second

Range 0 ☐ Show Trace

Test Controls

Next >> Stop

# Unified Controller – UC300

Dedicated **iSCSI** server, equipped with active-active controller





# Software Intellect Smart Life Anywhere



Richard Weyts  
Synology Product Manager





# Software Intellect Smart Life Anywhere

Collaboration

Collaborate anywhere with innovative file server

Surveillance

Smart video analysis, capturing the crucial moments

Networking

Safeguard cyber safety



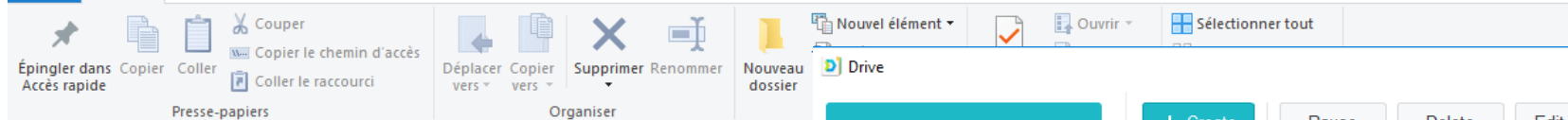


Next Generation File Server

# File Server for the New Generation and Solution for Oversea Collaboration







Alvaro > SynologyDrive

- ★ Accès rapide
- 192.168.40.40
- Téléchargements
- Demo Patch
- Bureau
- Documents
- SynologyDrive
- aCCIONES
- Notas de Prensa
- Octubre
- Traducciones
- OneDrive
- Ce PC
- Bureau
- Documents
- Images
- Musique
- Objets 3D
- Téléchargements
- Vidéos
- OS (C:)
- Disque local (D:)
- photo (\\192.168.40.125) (P:)
- Réseau

Nom

Bureau

Modifié le

12/01/2018 23:08

Fichier Ordinateur Affichage

Propriétés Ouvrir Renommer

Emplacement

Accéder au serveur multimédia

Connecter un lecteur réseau

Réseau

Ce PC

- ★ Accès rapide
- 192.168.40.40
- Téléchargements
- Demo Patch
- Bureau
- Documents
- SynologyDrive
- aCCIONES
- Notas de Prensa
- Octubre
- Traducciones

OneDrive

- Ce PC
- Bureau
- Documents
- Images
- Musique
- Objets 3D
- Téléchargements
- Vidéos
- OS (C:)
- Disque local (D:)

Dossiers (7)

- Bure
- Vidé

Périphériques et

OS (C:)

10,9 Go libres sur 100 Go

Emplacements réseau (9)

- Marcosdesantiago (marcosdesantiago)
- synofrance

Drive

Sync tasks

Sync log

Notifications

Global settings

+ Create

Pause

Delete

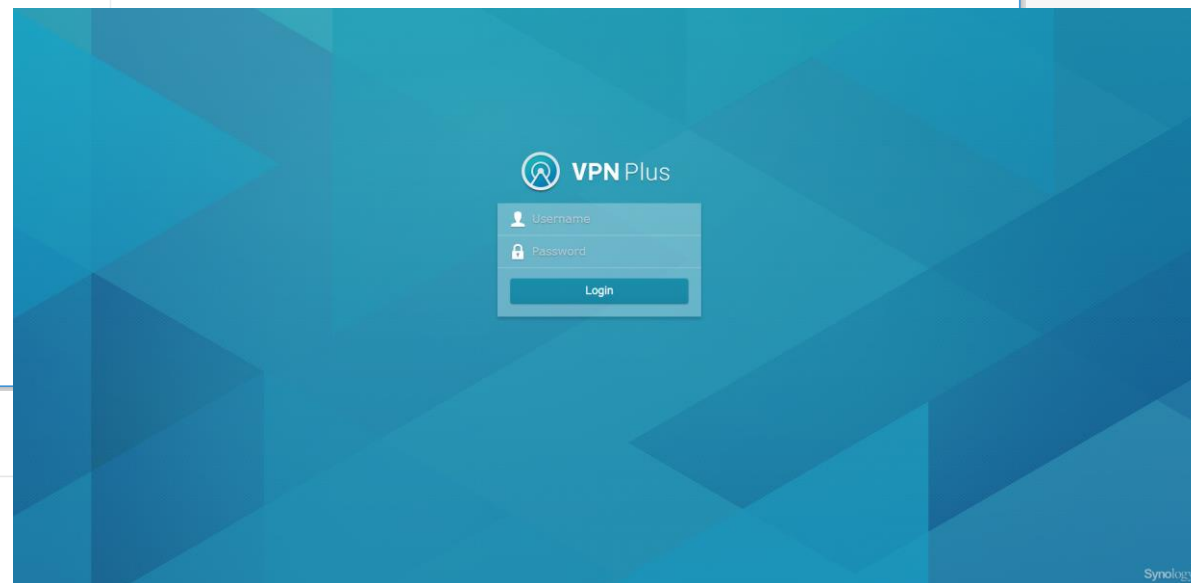
Edit connection

DS216Plus

alvarogonzalez

My Drive\Escritorio backup (Two-way sync)

C:\Users\Alvaro\Desktop



Synology-Maxime (thibault)

photo (\\192.168.40.125) (P:)



Synology Presents

# File Streaming



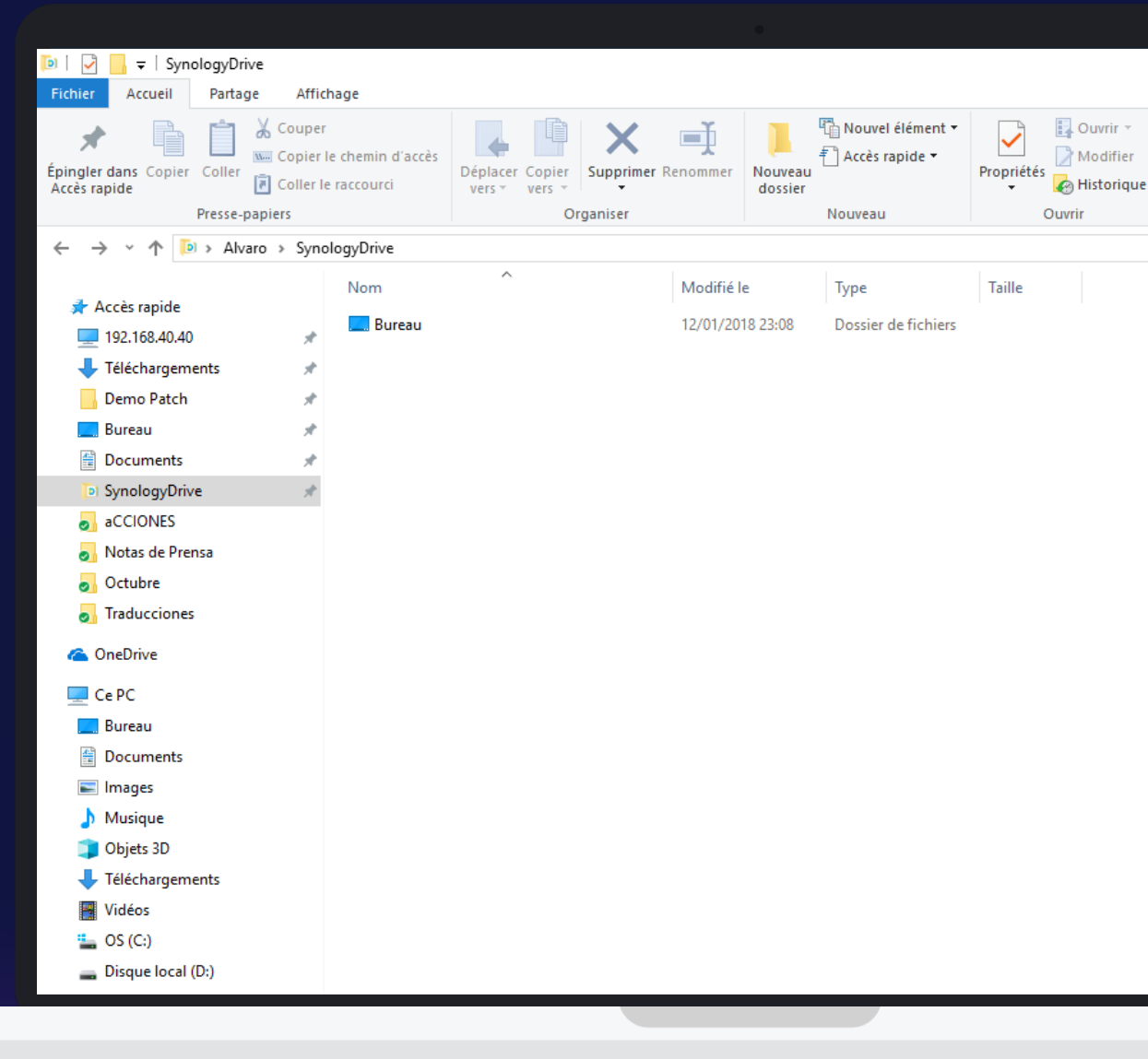
# Synology Drive

No need to change how you work

Native UX of Windows 10 File Explorer

More space, less limitations

Remote files can be pinned to local PC, breaking free from hard disk limitation





One Portal for All Files





Cloud Station ShareSync



Synology Drive  
Cloud Station Backup

Cloud Station Server



DS cloud



Cloud Station ShareSync



Synology Drive  
Cloud Station Backup



Synology Drive



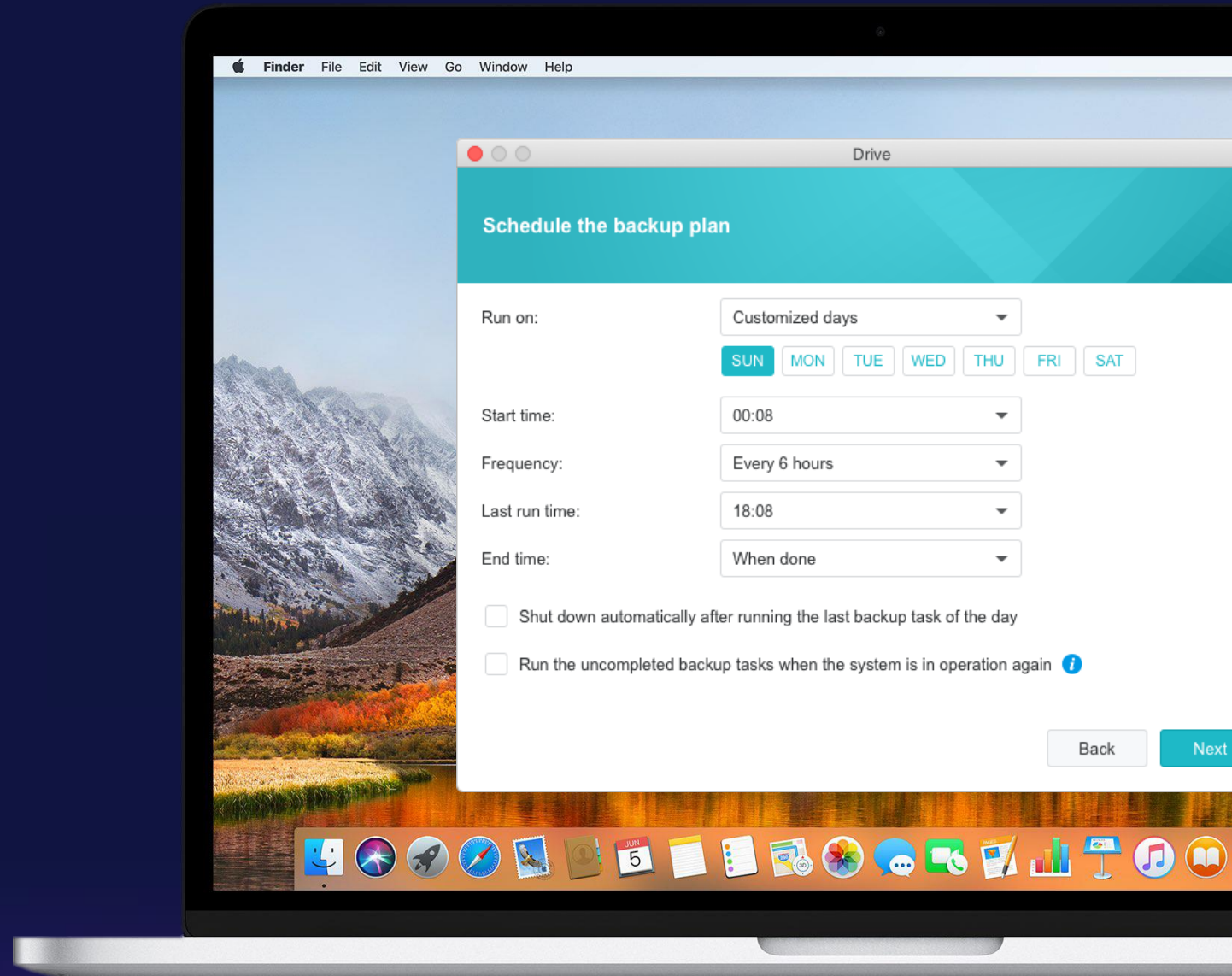
Drive



# Synology Drive

Synchronization and backup in one place

Newly added backup schedule





## Synology Drive

Centralized synchronization and  
backup with added backup schedule



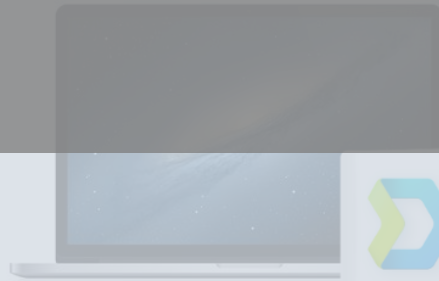
## Drive ServerSync

Upgraded Cloud Station ShareSync

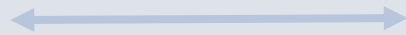
Drive ServerSync



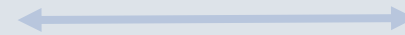
# Comprehensive Synology Drive Solution



Synology  
Drive



Synology Drive



Drive





“ Not only is Synology Cloud Station stable but extremely cost-effective, making it an ideal choice. With an intuitive user interface, 1350 NAS devices can be deployed with high efficiency.

G K R R O Y U S P

“ With Cloud Station ShareSync, we can sync and back up our players’ performance instantly from the Rio 2016 Olympics in Brazil, to our head office in Auckland, New Zealand. Synology has provided us with more than just a robust storage solution for copious amounts of high definition video data.



“ The Synology RackStation provides us a reliable and dependable solution for saving multiple streams of HD video from our medical labs across a network, and synchronising it to cloud storage for secure sharing and archiving.



“ Synology RS818RP+ is the perfect match for medium-sized companies and won’t be the last Synology device we will integrate in our company. We did everything right by choosing Synology RS818RP+ for our “MO-Cloud “. Synology is offering high-performance, scalable and multifunctional NAS solutions with a great price-performance ratio.





# Cloud Station

Continue to maintain it until the end of 2020, and EOL on 2021



FS3017



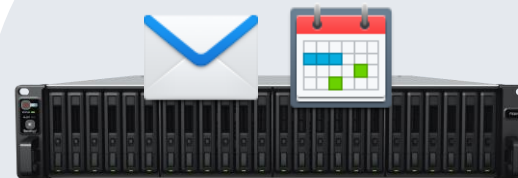
RS3617xs+



FS3017



Synology  
Application Gateway  
(SAG)



FS3017



RS3617xs+



FS3017

# Satisfies large deployment of collaboration packages



Drive



Chat



MailPlus



Calendar





# Satisfies large deployment of collaboration packages



Drive



Chat



MailPlus



Calendar



Contacts

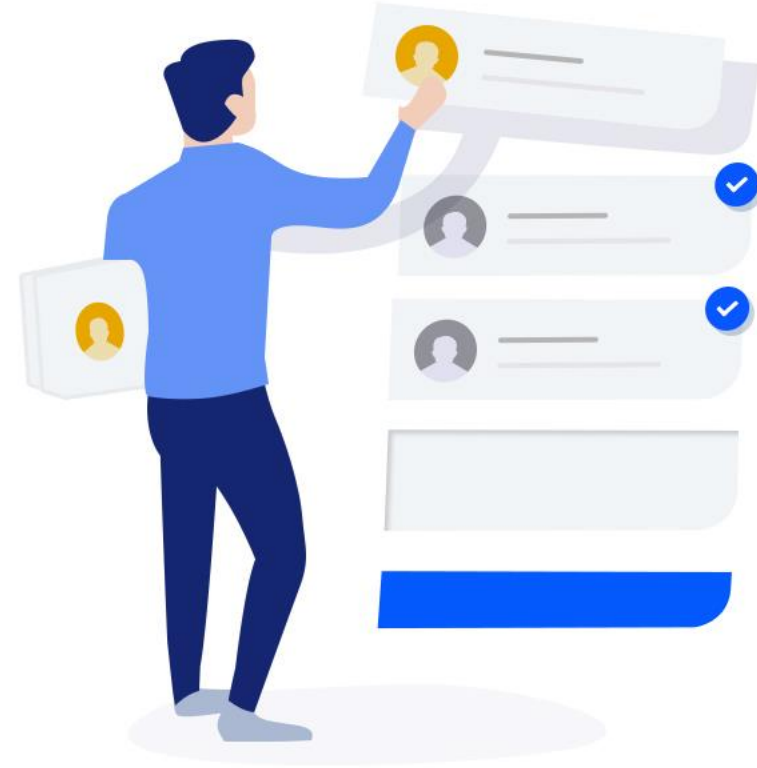
# Synology Contact

## Collaboration package for contact center

Integration of CardDAV, freeing users from the redundant importing and exporting process

## Flexible and User-friendly Enterprise-level contact book

Centralized controlling and viewing features for all important information



Collaboration packages suite

Meets requirements of large deployment;  
connect your enterprise productivity



Drive



Chat



MailPlus



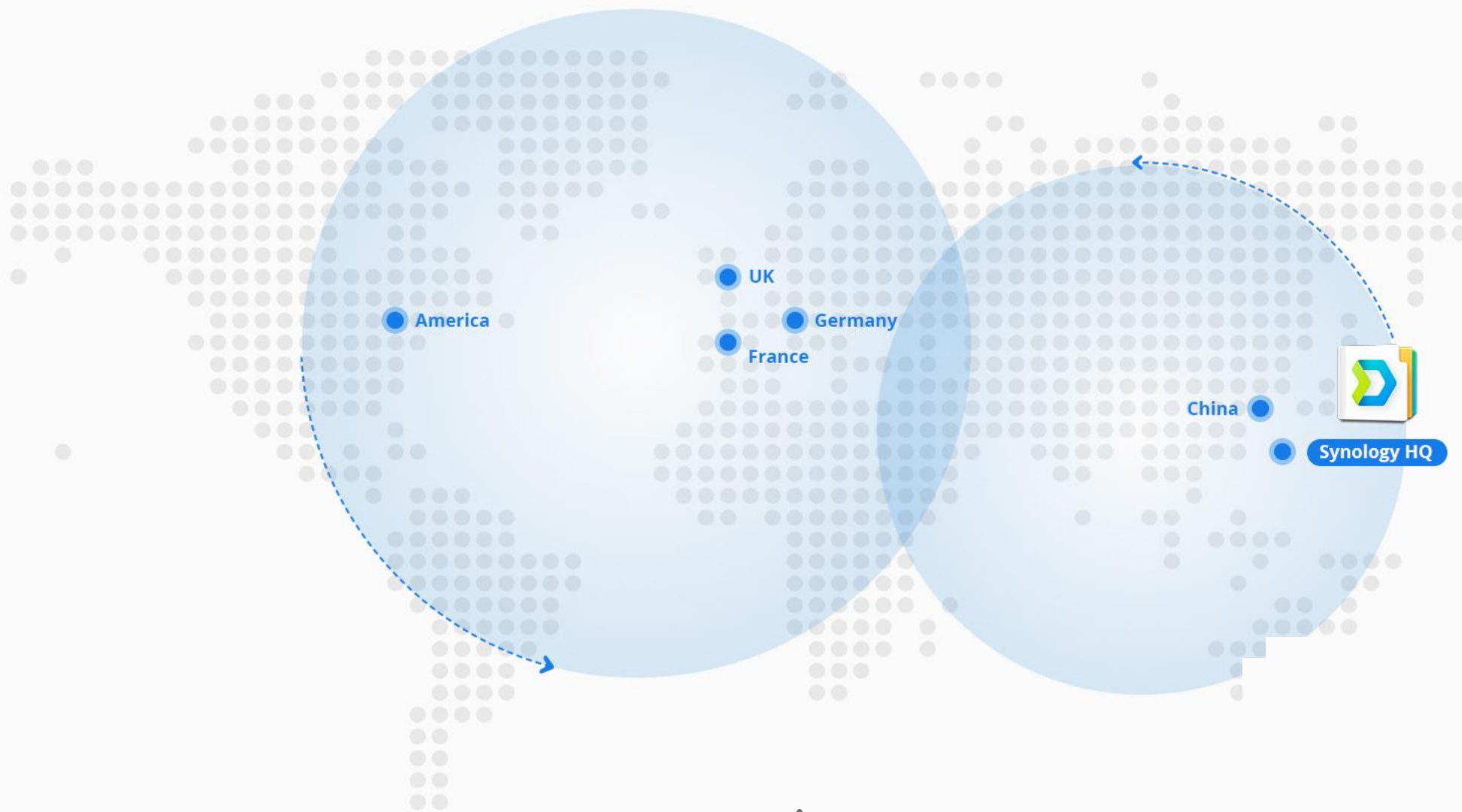
Calendar



Contacts



SAG



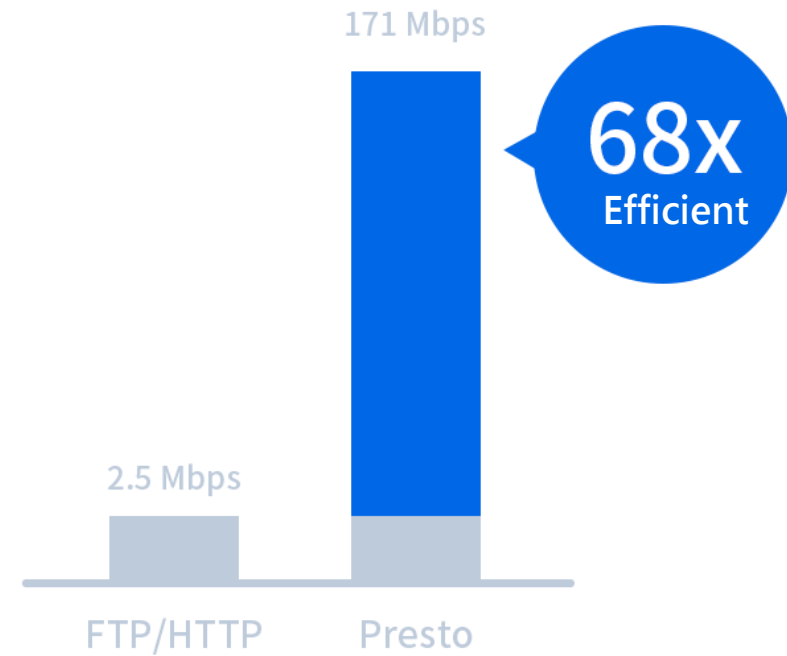


# Presto File Server

Synology SITA protocol

Achieving stable and fast transmitting solution for large files

Breaking the limitation of high delay during FTP/ HTTP remote transfer



Measured transmission speed from Taipei to Dusseldorf



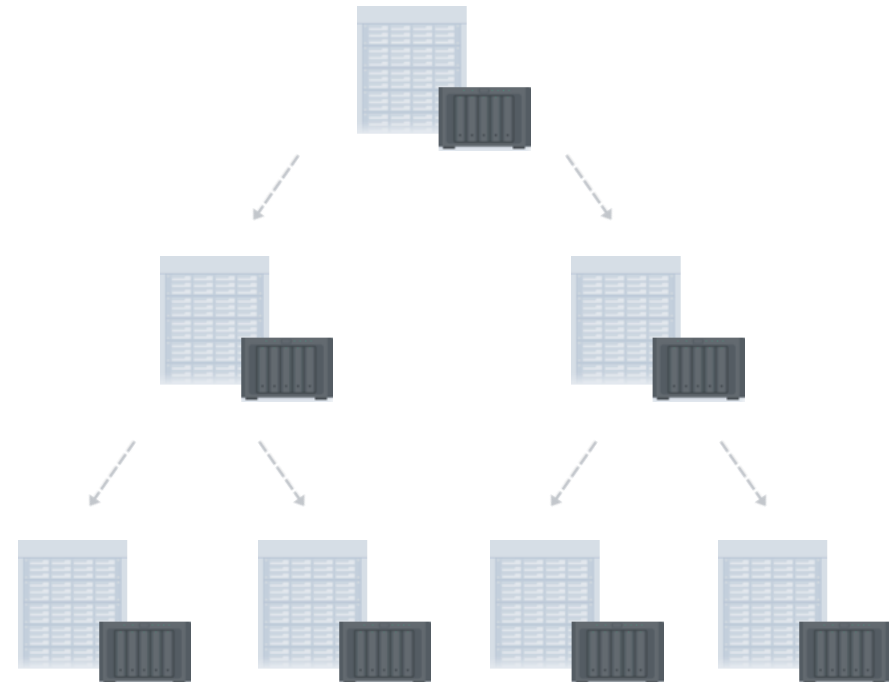
# NAS to NAS automated transfer for large files: Presto Site Express

Controllable stable and high  
speed transfer quality

Ensure accurate transfer time based on data priorities

Automated hierarchical file transfer

Ensuring transfer speed and quality, economizing manpower  
for tracking





Synology Drive  
Multi-site file synchronization and collaboration



Presto  
High speed transfer for large files



# Surveillance Station

since 2008



Over 130 million GB of videos are uploaded everyday

<1% of surveillance videos are viewed

Intelligent Surveillance

Grasp the key moment  
with intelligent surveillance system







# Deep Video Analytics (DVA)



Synology



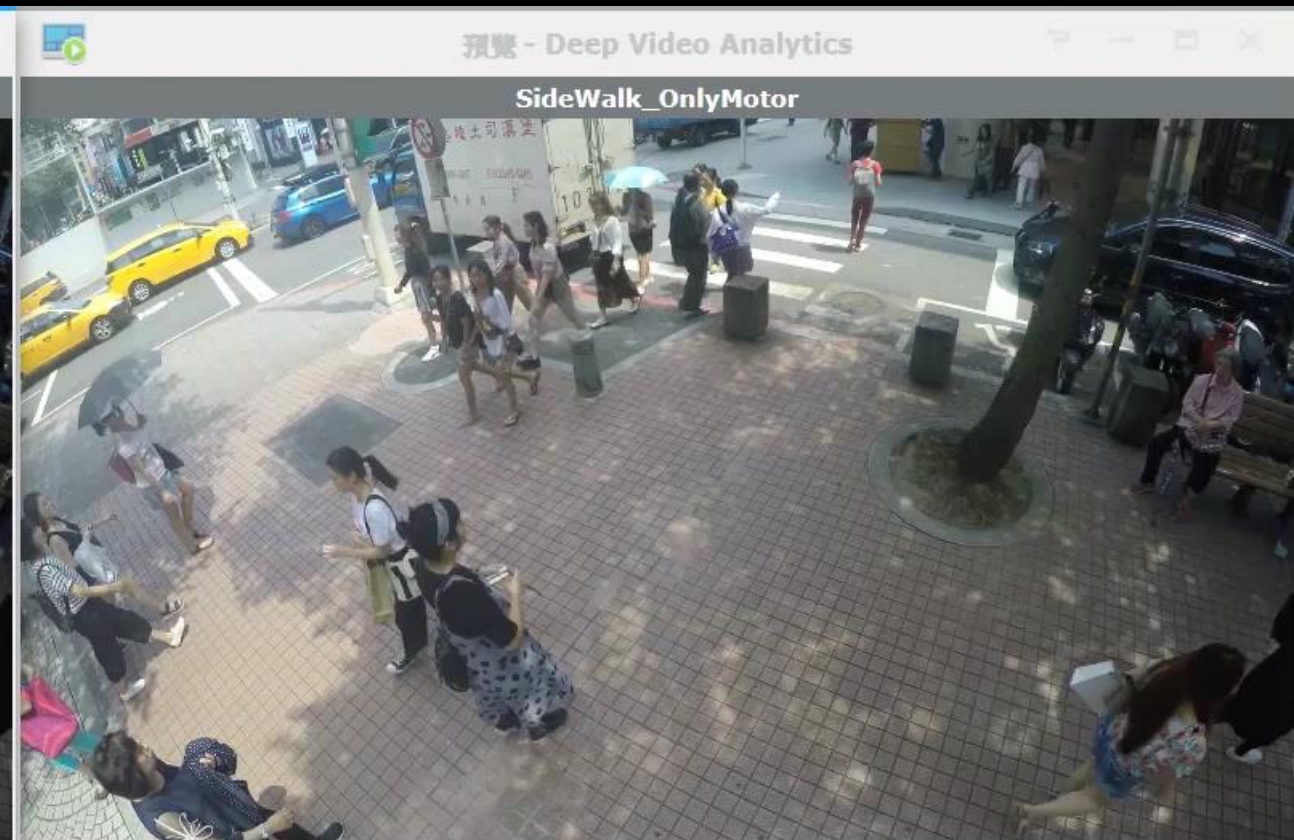
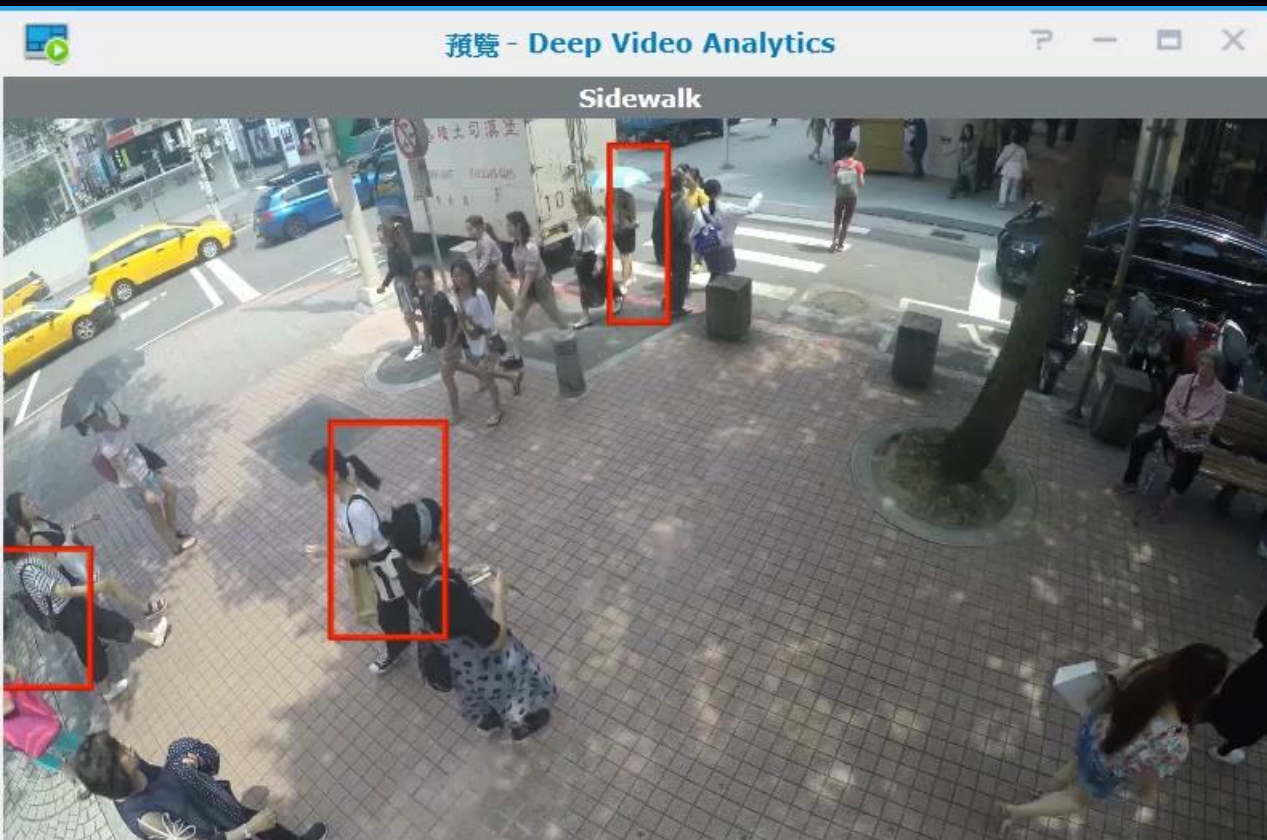
Others

Trial : 1 days left

13:54:06 2018/03/29



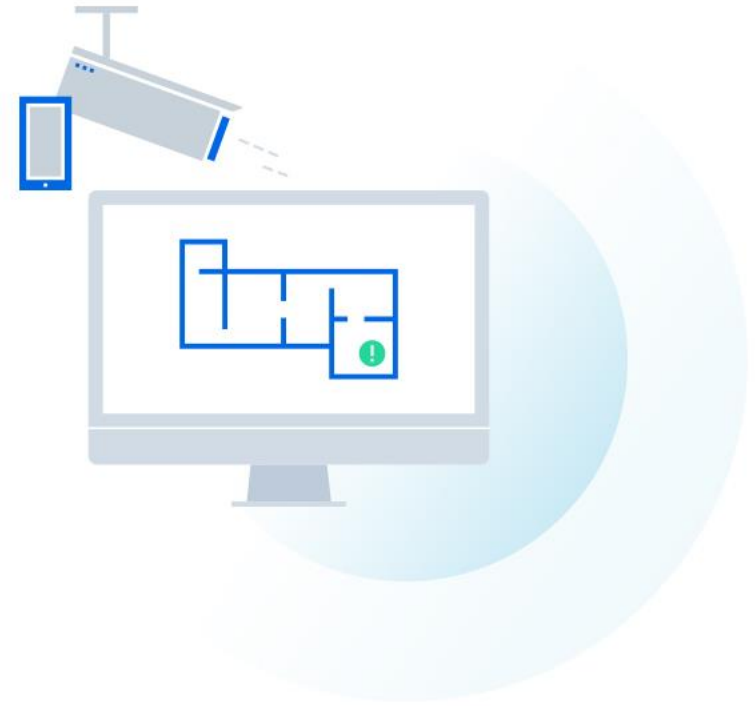


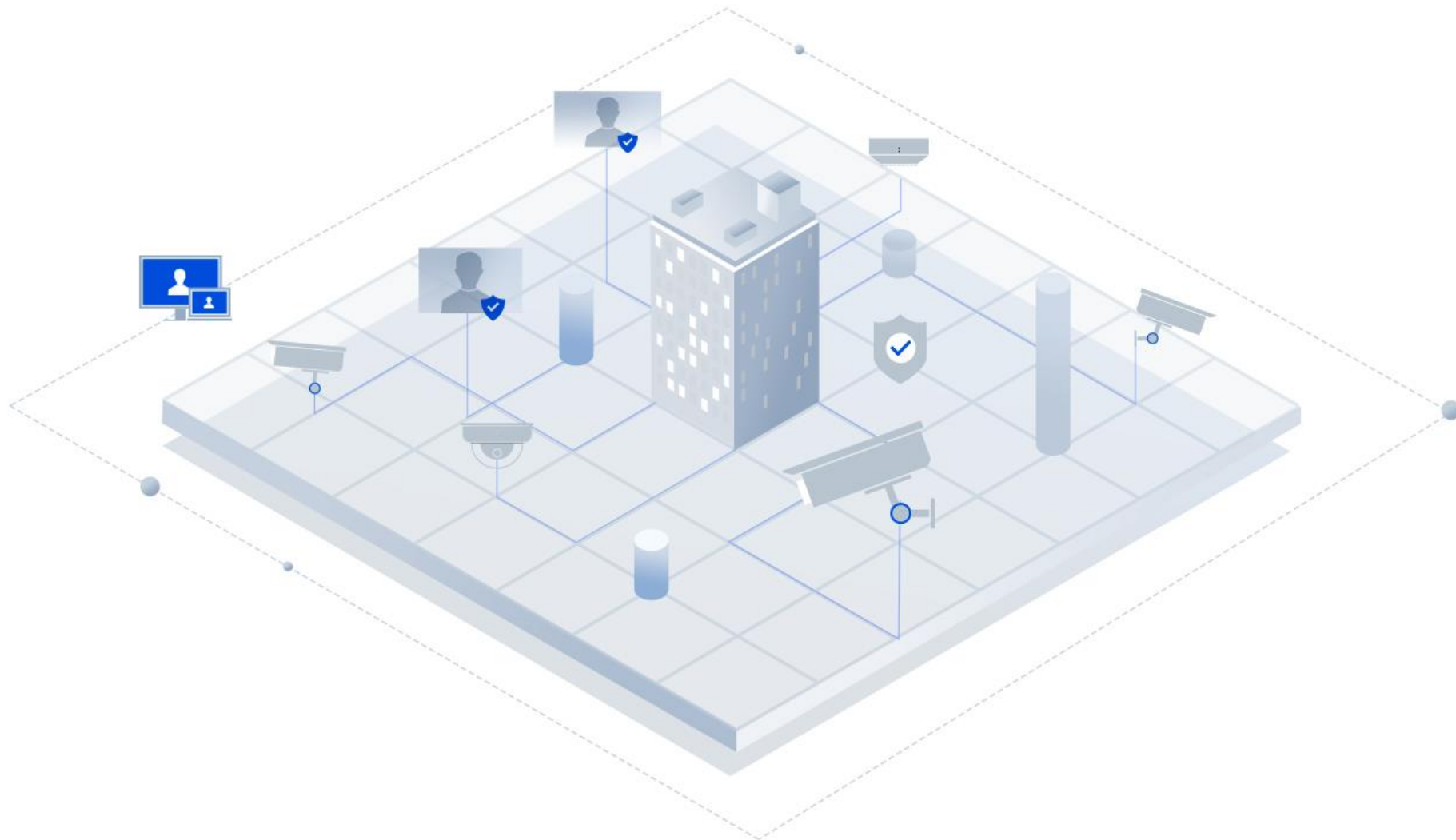


Synology NAS  
DS1419dva



AI surveillance system,  
grasping the key moments





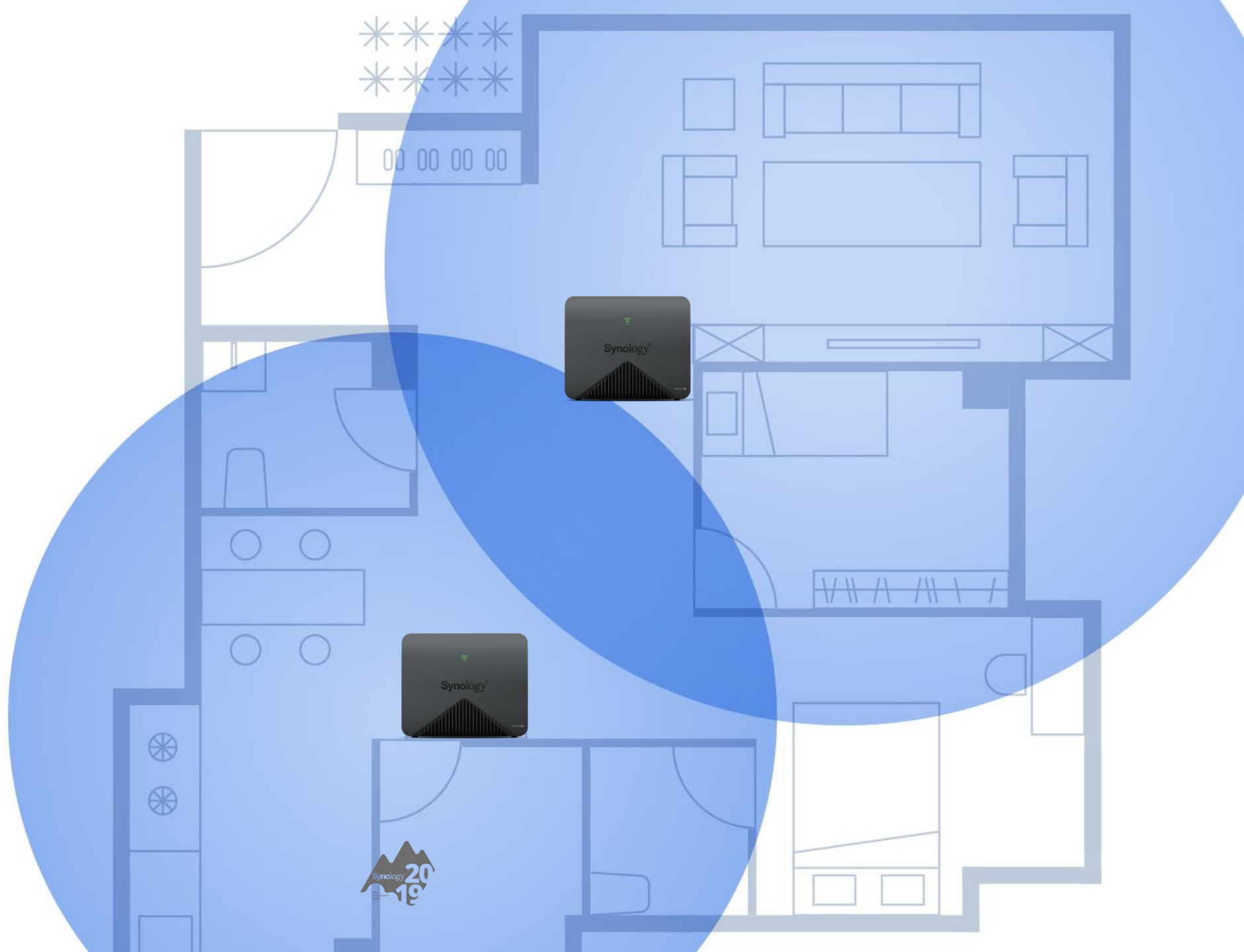




Network Security

# Connect everything and safeguard the network security

Synology Mesh Router  
MR2200ac



Simultaneously launching  
SRM 1.2



MR2200ac



RT2600ac



KRACK, the most devastating flaw in Wi-Fi security

SRM provides the security fix within 24 hours

57 days

Apple

17 days

NETGEAR

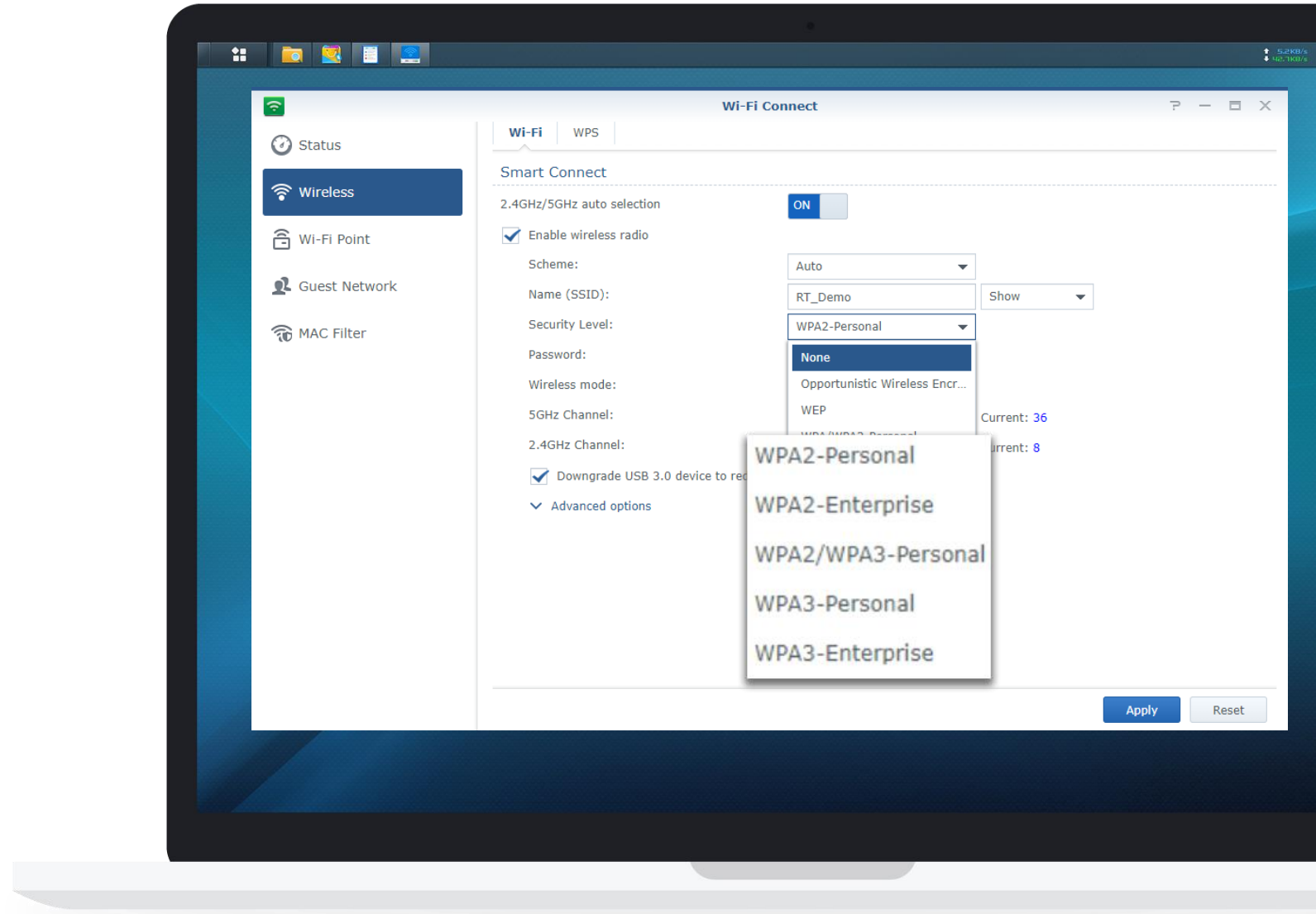
24 HR

Synology®



Cyber safety needs to keep pace  
with the times

The first to obtain  
WPA3 verification





# Brand New Package : Safe Access

Proactively protect cyber safety  
Browsing Safety

DNS / IP threat intelligence

Integrate with Google Safe Browsing

Building a safe browsing environment together through  
Google AI technology





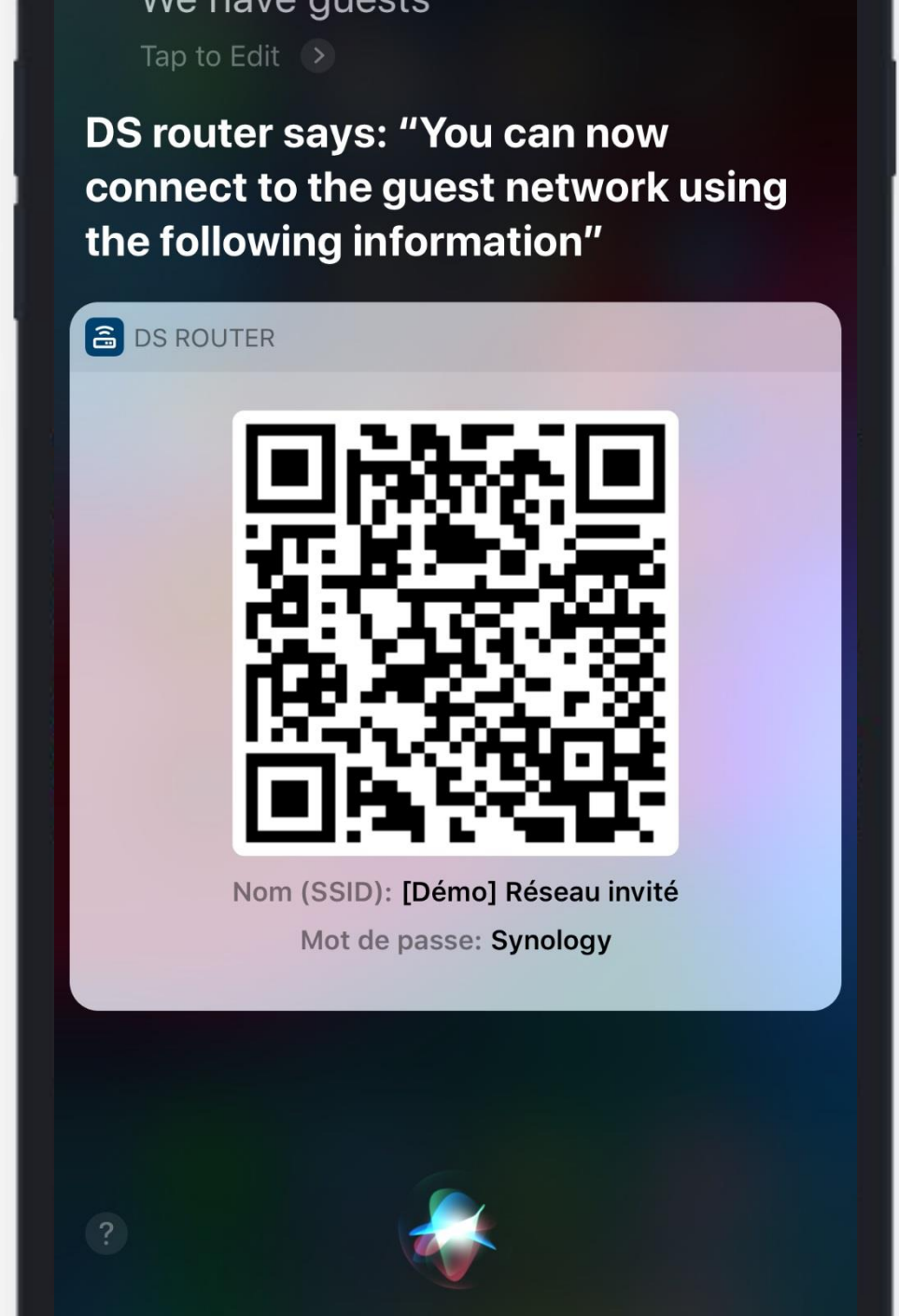


# Safe Access

Grow with your children and participating in their lives in a healthy network environment

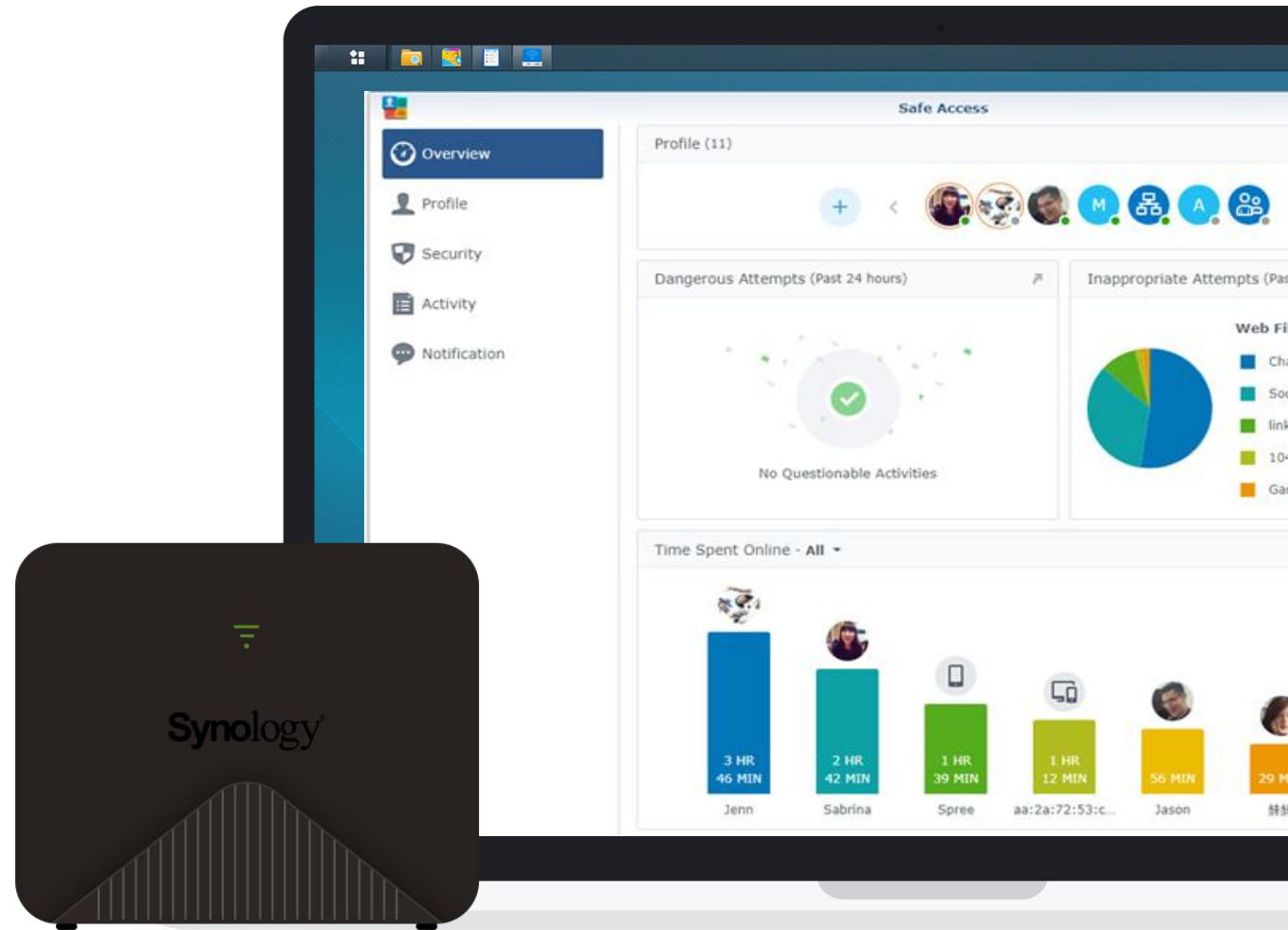
DS router

First to support iOS 12 Siri Shortcuts



Coming soon

SRM 1.2 + MR2200ac



# Next Generation SRM



# Flexible Allocation of Internet Resources: VLAN

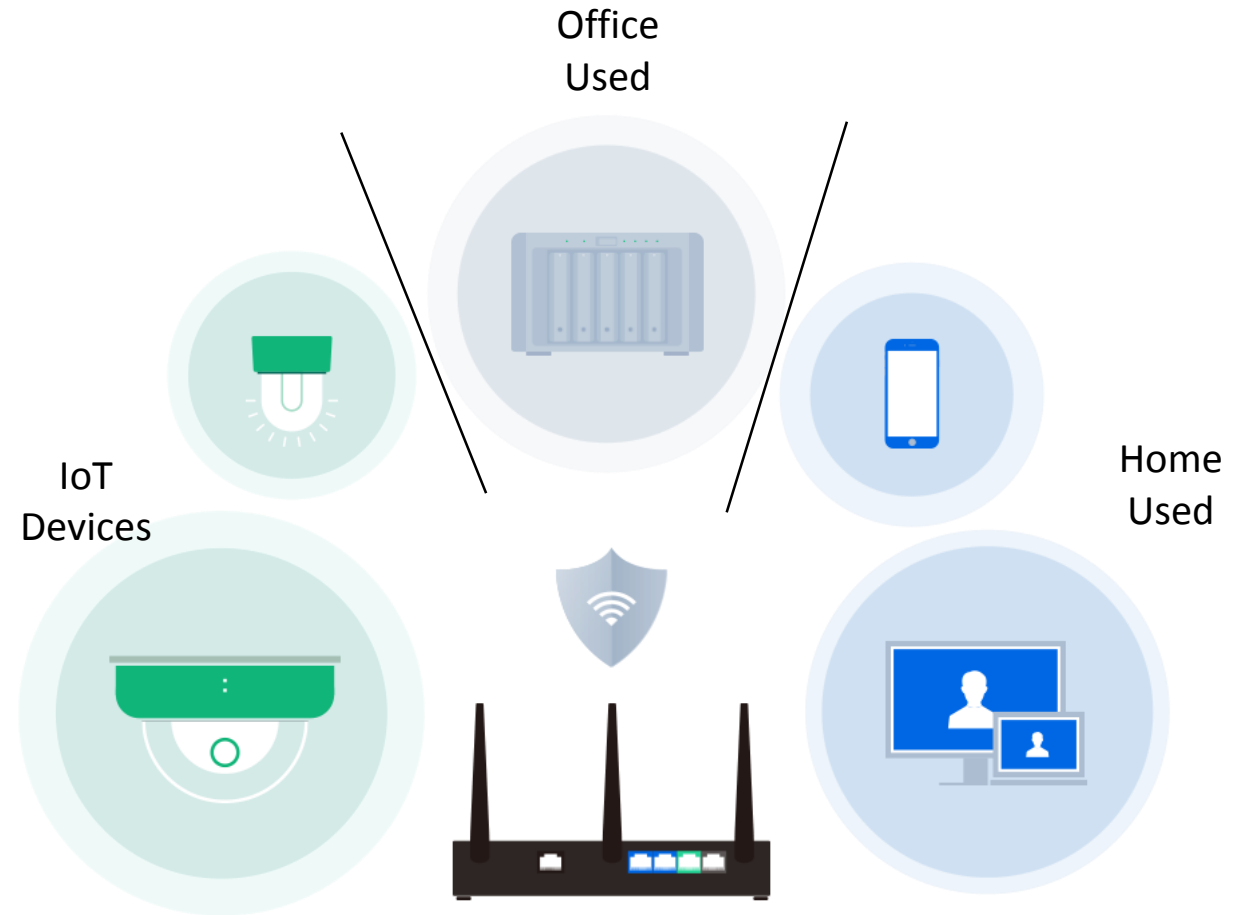
Simply isolates IoT Devices with multiple LANs

Built for home users

NO VLAN required for network switch

Multiple VLANs to enhance flexibility of business network deployment

Access control among departments & optimization for network resource allocation





## VLAN

Managing access permission



## Dashboard

Display of network updates



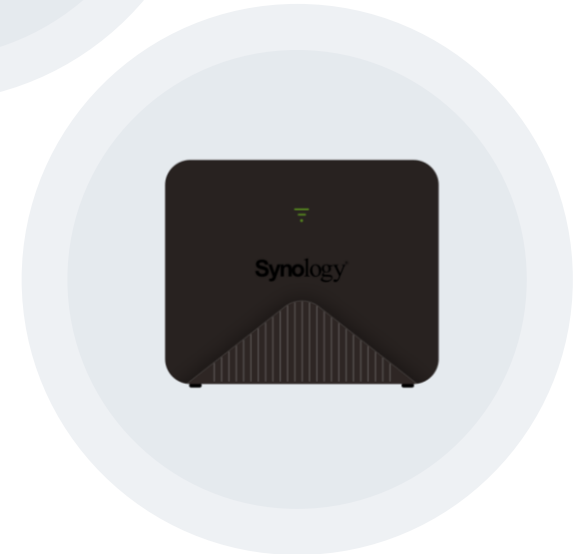
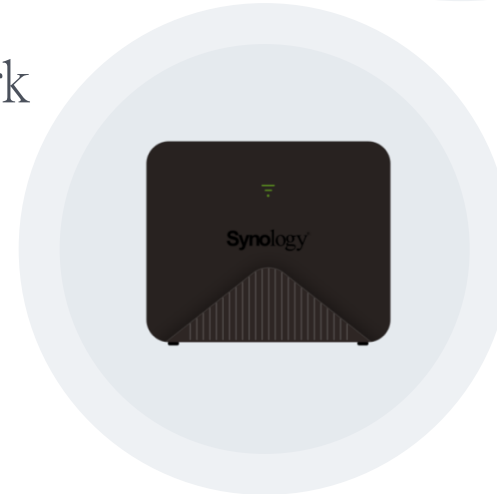
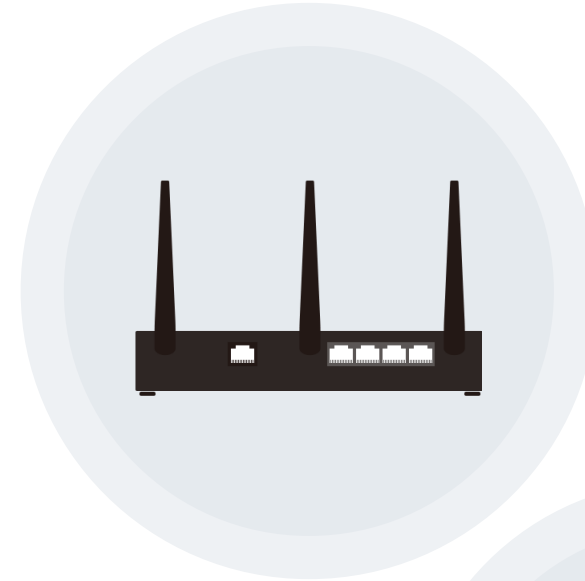
## Layer-7 Firewall

Deepening enterprise internal control



# All-in-one Network Solution

- Mesh Enterprise Wireless Network
- Flexible cyber security by segmenting the network into multiple subnets with VLAN
- Firewall for applications, implementing user regulations for enterprise internet
- Site-to-Site / SSL VPN remote access



# Software Intellect

## Smart Life Anywhere



Richard Weyts  
Product Manager Benelux





Synology

SMART  
STREAMLINED  
SOLID

2019