



A GUIDE FOR YOU TO DEPLOY A CLOUD NAS ON PRIVATE DATA CENTERS WITH QTSCLOUD SOLUTION



Agenda

- ① What is Cloud NAS Solution QTScloud
- ② Who needs QTScloud VM Platform
- ③ How to use QTScloud VM Platform
- ④ QTScloud VM version Features



QNAP

What is Cloud NAS Solution

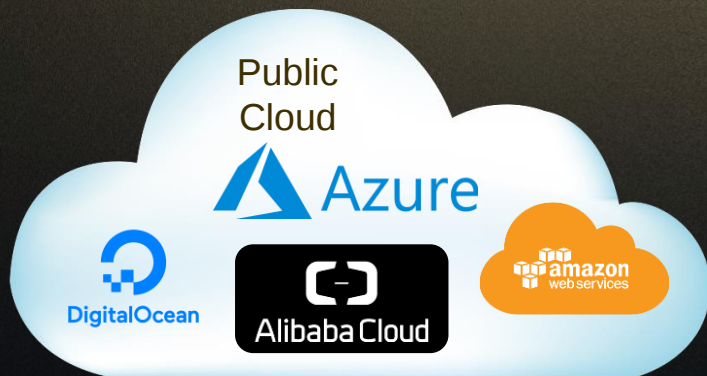
QTScloud



QTScloud QNAP first Cloud NAS Solution

QTScloud

Cloud Platforms

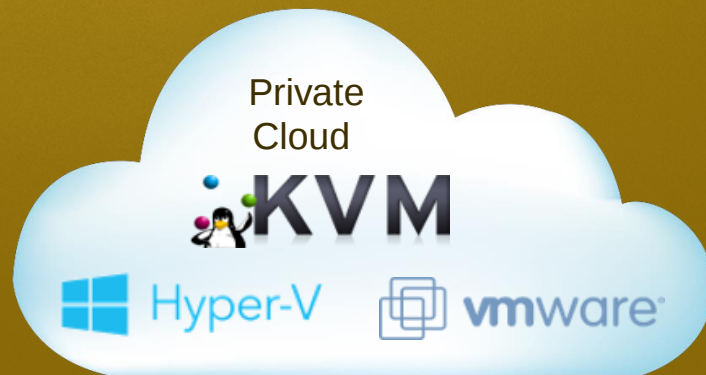


Easily Scalable Public Cloud

OR

QTScloud

VM Platforms



On-Premise Virtual Machines

"Enjoy the NAS experience brought by QTScloud"

Unlock your Cloud NAS experience with QNAP



QTS Operating System

OS

Multimedia

Mobile Apps

Storage

AI

WIN/MAC
Utilities

Network

Notification

Full-text
Search

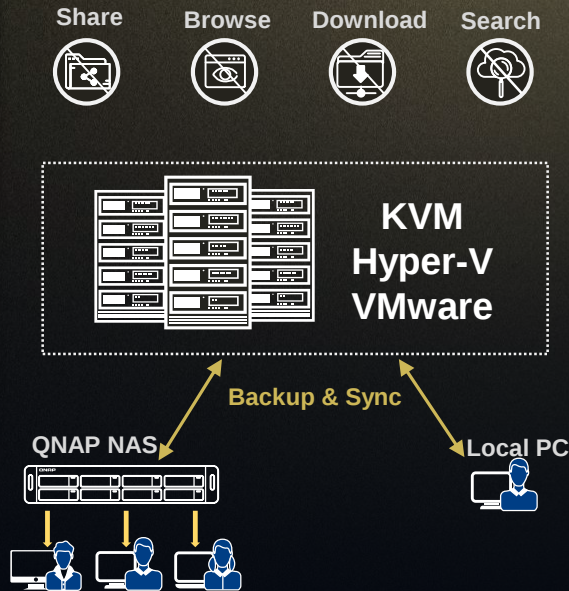
Security

Licenses

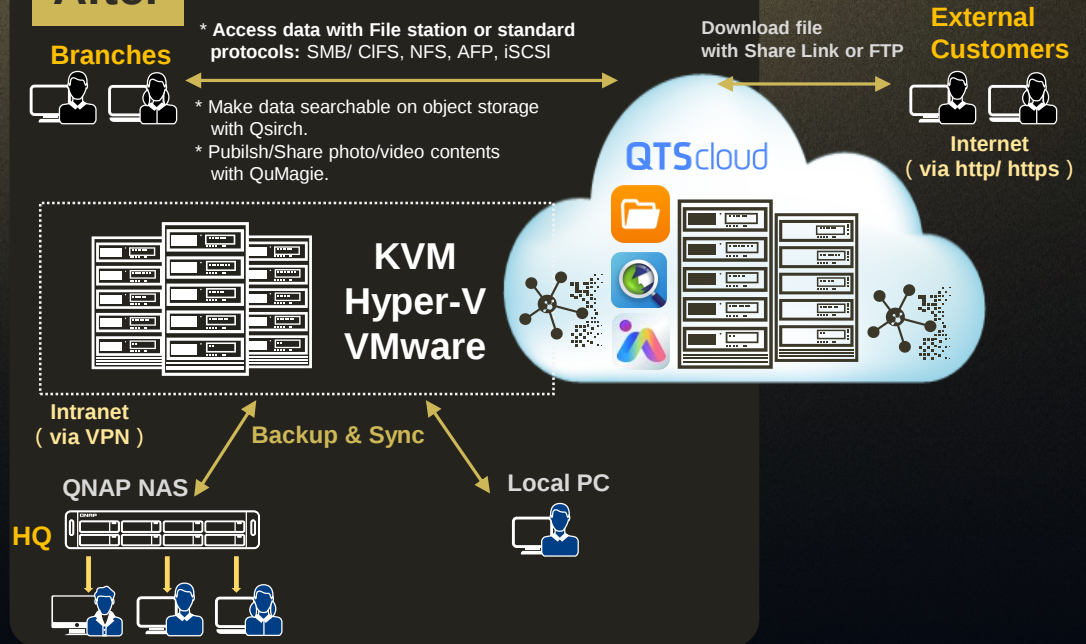
& More...

Use QNAP Cloud NAS to Optimize Your Cloud Data Usage

Before



After



A server room with rows of server racks. The racks are filled with server units. A network overlay of glowing nodes and lines is visible across the scene, suggesting a connected environment. The lighting is bright, and the floor is reflective.

QNAP

QTScloud

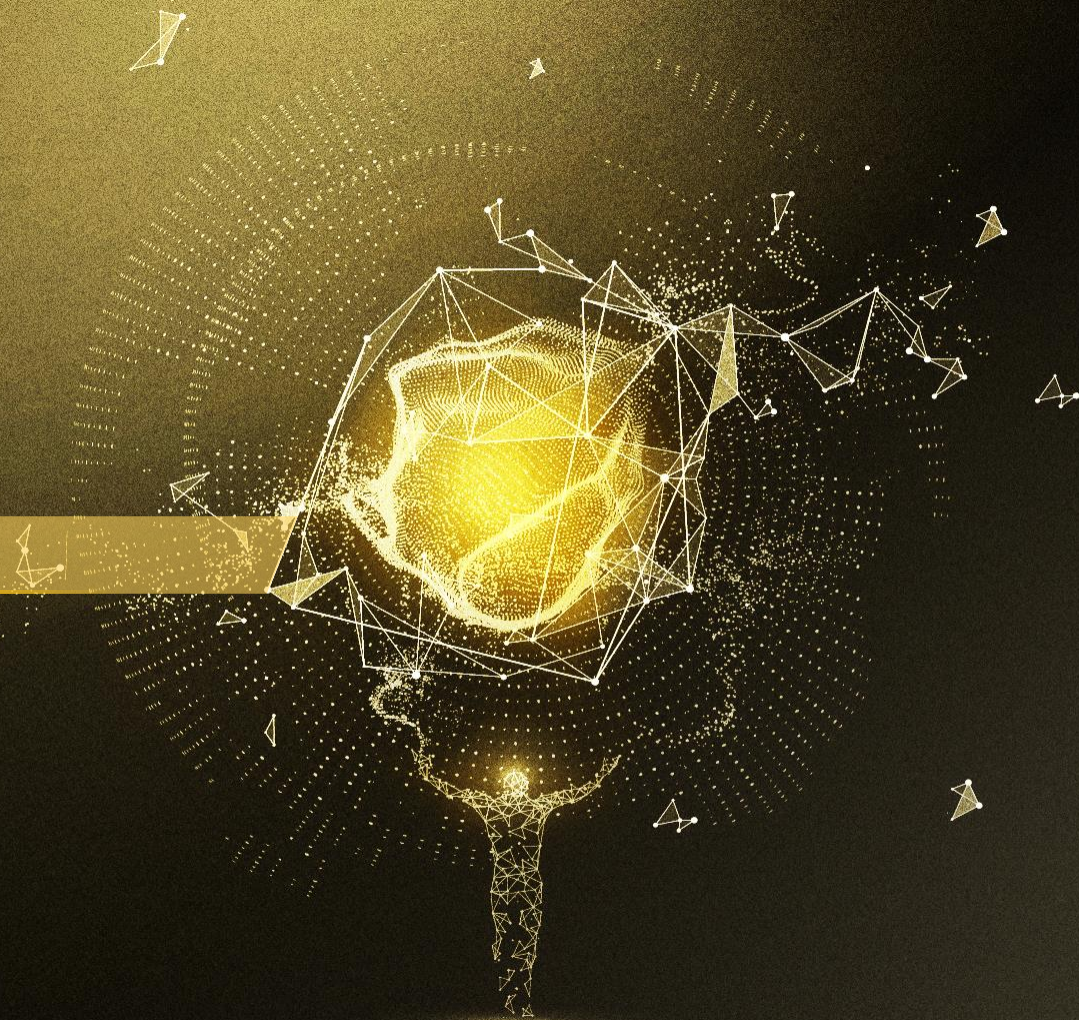
Is a virtual appliance

- Running on public or private cloud platforms
- That gives enterprises the control to run mission-critical applications with best performance at affordable pricing

QNAP

Who Needs
QTScloud

VM Platform



Use Case
1

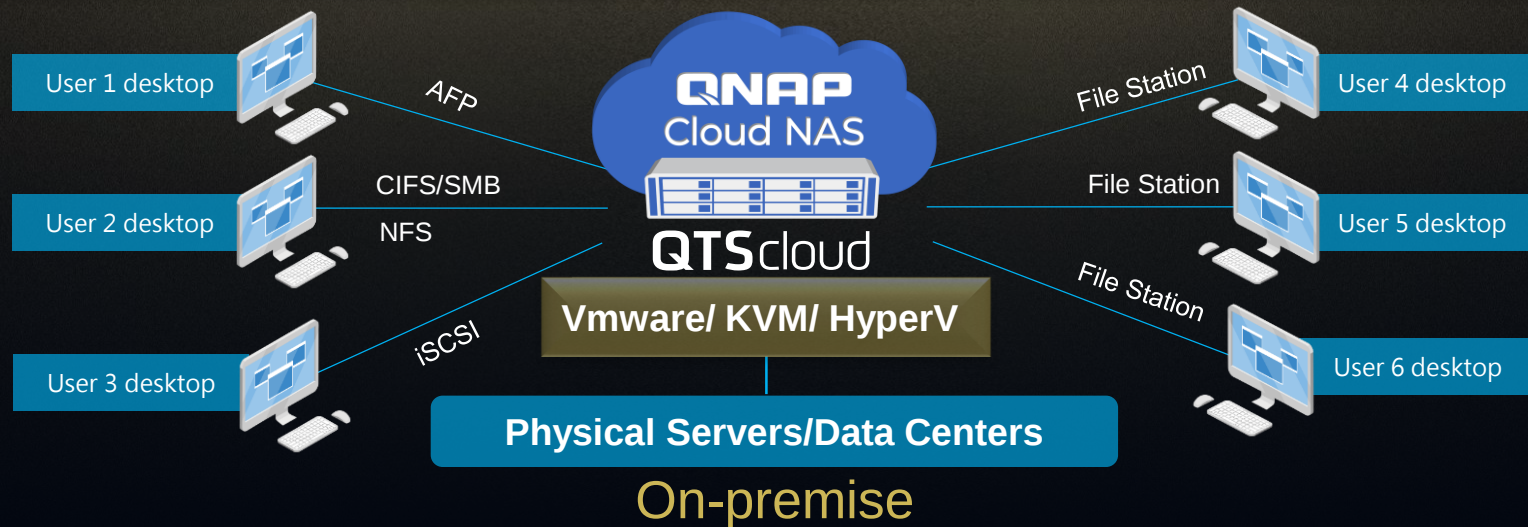
On-premise Data Drive



Modern-day organizations want to store all sensitive data on-premise and have an easy-to-use interface with data privacy to the data.



Data management with QTScloud hosted on Vmware/KVM/HyperV and IT manager could use File Station for file management and sharing.



Use Case
2

Multi-sites Hybrid Cloud Backup



Large enterprises with multi-site data centers need reliable offsite data protection but it will be a huge capital investment for hardware.



Economic virtual appliance that can be deployed at each data center and backup all data to the cloud from multi-site data center with QTScloud VM version.



Use Case 3

Turn your Virtual Devices into a Cloud Gateway



IT administrator have already deployed virtual devices in the data center. Need to purchase an expensive cloud gateway device to access cloud data on-premise.



Using HybridMount in QTScloud VM version could make your virtual devices become a cost effective cloud gateway solution, no need to purchase extra cloud gateway devices.



Use Case 4

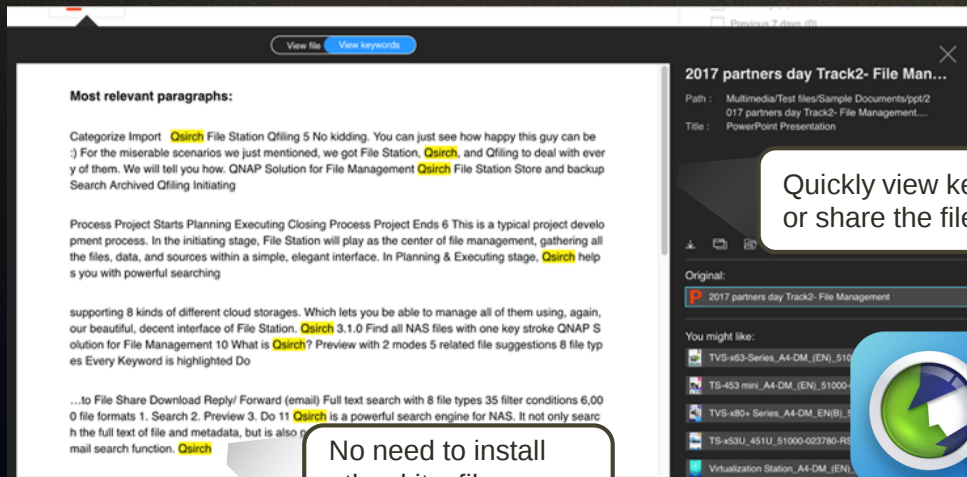
Comprehensive search engine for your enterprise files



Large enterprises with numerous files want to perform content-based search to quickly find their files.



QTScloud's Qsirch application with advanced search capabilities, enables you to search for files based on their name, content and metadata .



Quickly view key paragraphs, download or share the file after confirmation!

No need to install other kits; files can be viewed directly!

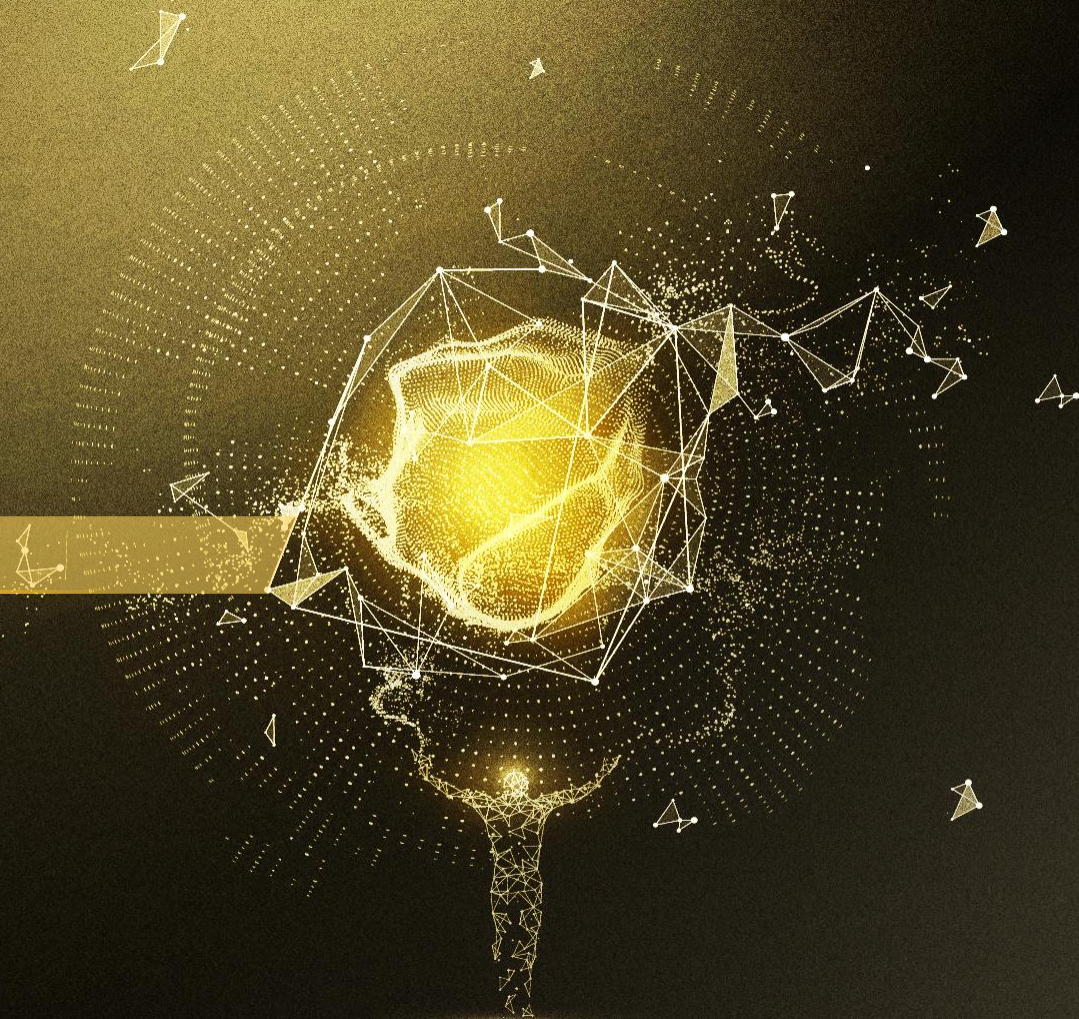


Qsirch



How to use QTScloud

VM Platform



The background features a dark, gradient surface with numerous 3D gold-colored clouds scattered across it. Thin, glowing white lines connect some of the clouds, suggesting a network or data flow. In the bottom left corner, there is a dark blue horizontal bar.

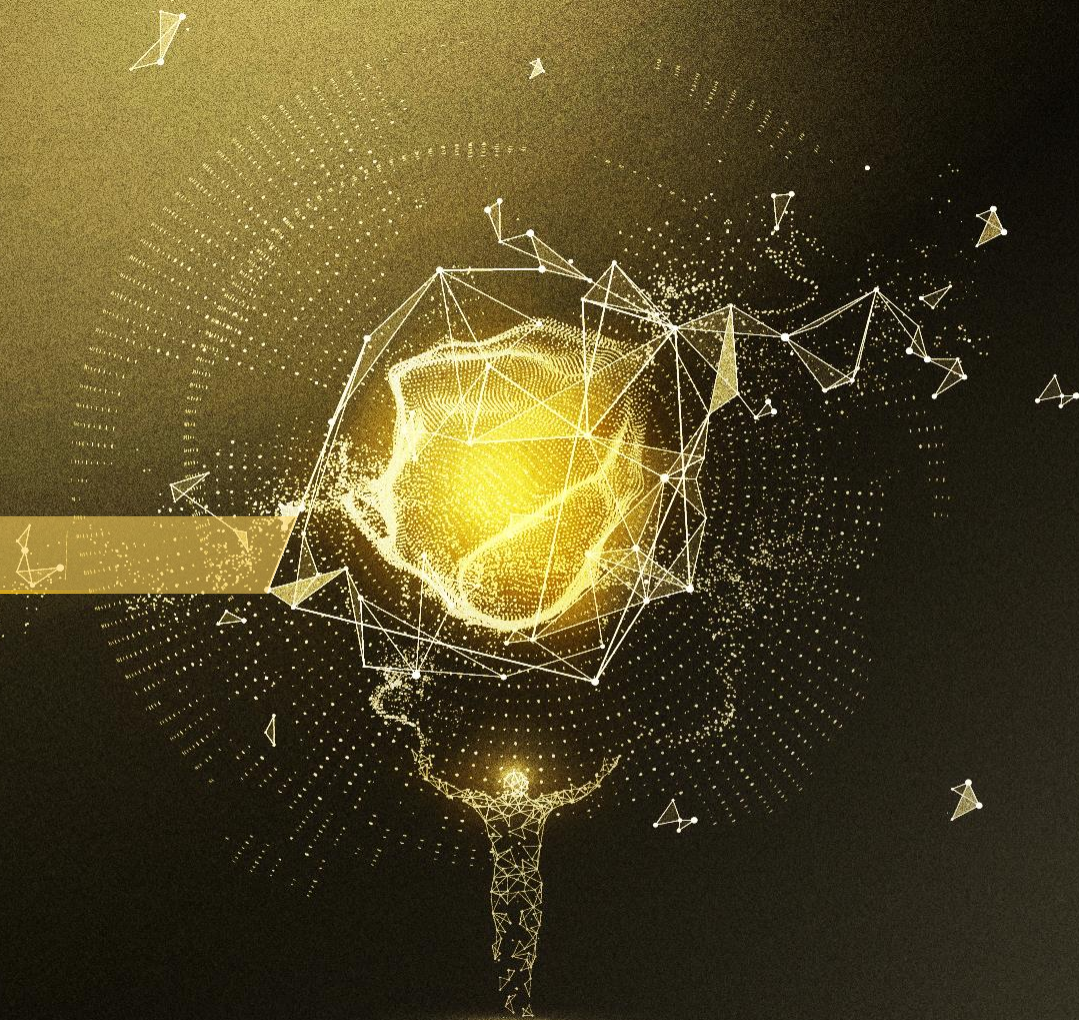
**LIVE
DEMO**

QNAP

Features

QTScloud

VM Platform



Main features of QTScloud

1 Cloud storage gateway and cloud storage mount

2 Data sharing and directory management

3 Source-based deduplication for backup

4 Cloud data protection and security

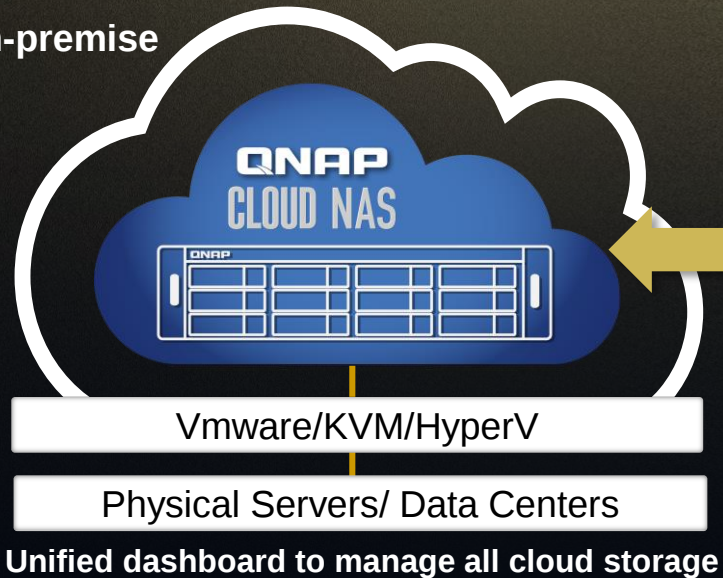
5 Stay informed of your cloud NAS status at all times

6 Productivity apps for backup, management, and multimedia

QTScloud Storage Expansion with HybridMount

Mount external storage to QTScloud

On-premise



Mount external
storage

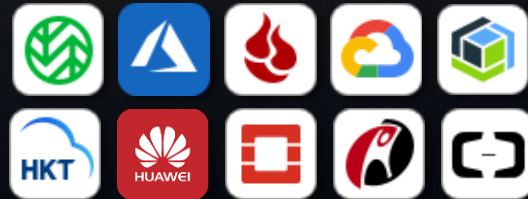
With
Hybridmount



Cloud File Storage



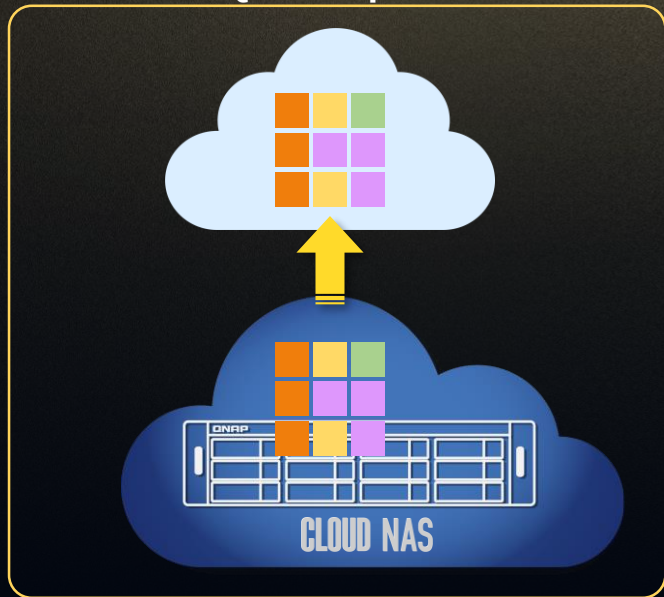
Cloud Object Storage



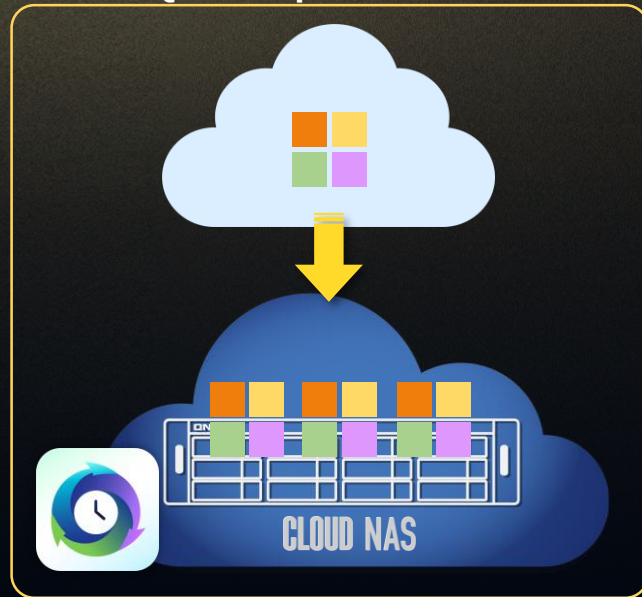
Source-side deduplication for backup

HBS 3 features QuDedup technology that empowers backup tasks with **source-side deduplication** for greater time and storage savings.

Without QuDedup



With QuDedup



Data sharing and directory management

Data sharing

- ▶ **Standard protocols**
 1. SMB/CIFS
 2. NFS
 3. AFP
 4. iSCSI
- ▶ **Instant file sharing**
 1. Social Media
 2. Security – Password, Valid Date
 3. SmartShare
- ▶ **File Preview**
 1. Online Office, Google Doc
 2. Multimedia files

Privilege management

- ▶ **Basic**
 1. NAS local users
- ▶ **Domain Security**
 1. Active Directory authentication
 2. LDAP authentication



Data sharing and directory management

Snapshots and versioning

1. Fully supports all storage configurations at the storage pool level.
2. Uses the mature ext4 file system for “out of volume”
 - **Ransomware cannot overwrite snapshots which are stored out of volume**

QNAP VPN Service

1. Use QVPN to build a secure connection between your on-premises devices and your Cloud NAS.
2. Supports versatile VPN protocol and QNAP's QBelt.
 - **QNAP's proprietary VPN protocol to decrease the chance of being detected.**

Stay informed of your Cloud NAS status at all times



Notification Center

- ▶ Consolidates event and alert notification
- ▶ Double assurance with notification history
- ▶ Flexible to filter important messages
- ▶ Multi-language support
- ▶ Notifications via email, SMS, instant message, and push notifications.

 Clickatell
make customers smile

 nexmo® | The Vonage
API Platform

 twilio

 skype™



Productivity apps for backup, management, and multimedia

Backup



HBS 3

Multi-site, multi-cloud backup streamlines 3-2-1 backup strategy



Boxafe

Backups up Office 365 & Google G Suite data

Management



Qsirch

A powerful Google like full-text search engine



Qfiling

Automates your file organization

Multimedia



QuMagie

AI-powered intelligent photo management

Supported private cloud platforms



QTScloud Pricing

1

Core

Monthly
\$ 7

Yearly
\$ 70

Recommended
for:

Total NAS
Users: 1-5
Concurrent
Connections:
Up to 10

2

Cores

Monthly
\$ 10

Yearly
\$ 100

Recommended
for:

Total NAS
Users: 6-10
Concurrent
Connections:
Up to 10-20

4

Cores

Monthly
\$ 15

Yearly
\$ 150

Recommended
for:

Total NAS
Users: 10-20
Concurrent
Connections:
20-50

6

Cores

Monthly
\$ 20

Yearly
\$ 200

Recommended
for:

Total NAS
Users: 20-50
Concurrent
Connections:
50-100

8

Cores

Monthly
\$ 30

Yearly
\$ 300

Recommended
for:

Total NAS
Users:
50-100
Concurrent
Connections:
100-200

12

Cores

Monthly
\$ 50

Yearly
\$ 500

Recommended
for:

Total NAS
Users:
100-200
Concurrent
Connections:
200-500

16

Cores

Monthly
\$ 80

Yearly
\$ 800

Recommended
for:

Total NAS
Users:
200-500
Concurrent
Connections:
500-1000

24+

Cores

Monthly
\$ 100

Yearly
\$1000

Recommended
for:

Total NAS
Users: 500+
Concurrent
Connections:
1000+

QNAP

QTScloud

Is your Best Choice !



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