

QNAP

QuTScloud

Cloud NAS Solution

Now support storage passthrough
and more mainstream cloud platforms

QuTScloud c4.5.4



1 | Introduction

2 | Case Study

3 | Live Demo

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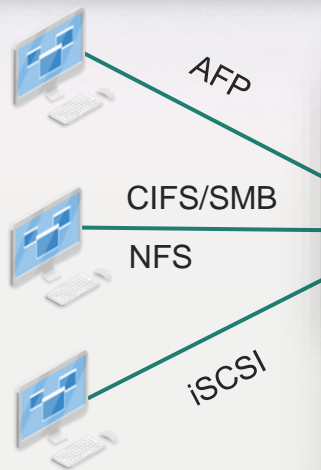
Introduction to QNAP Cloud NAS

QuTScloud

What is a Cloud NAS

A virtual appliance designed to work with and leverage cloud-based storage to give the functionality of a premise-based NAS

Uses cloud computing to simplify infrastructure and provide flexible deployment options while reducing costs.



Cloud NAS Solution



Virtual Machine



Compute



Storage



QuTScloud brings all the QTS experiences

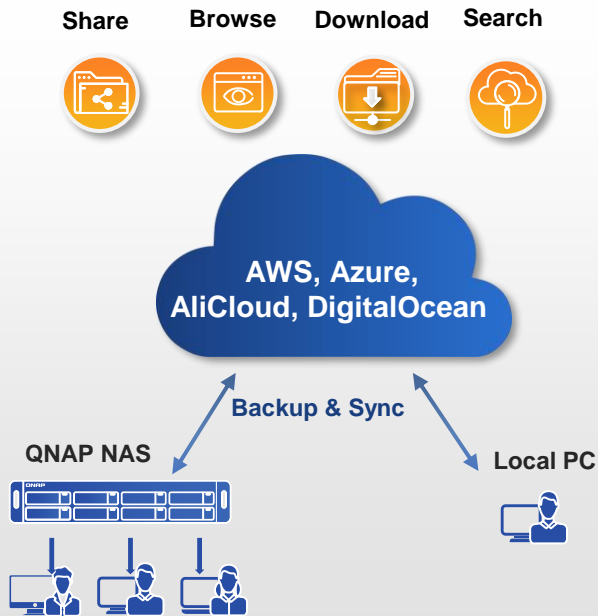
QuTScloud Operating System

OS	Multimedia	Mobile Apps
Storage	IoT	WIN/MAC Utilities
Network	Notification	Full-text Search
Security	Licenses	& More...

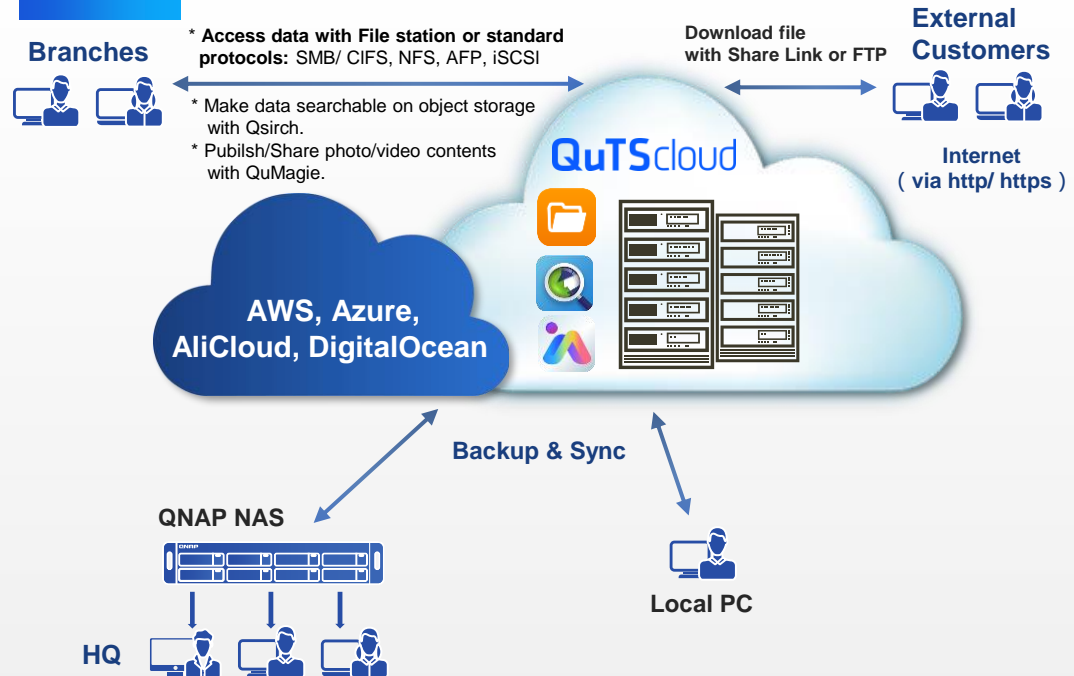


Helps to optimize your data usage

Before



After

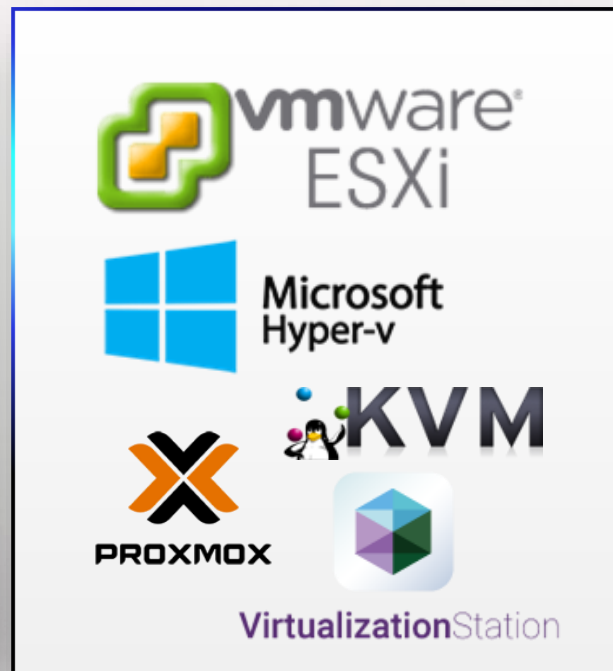


Support Platform

Cloud Platforms

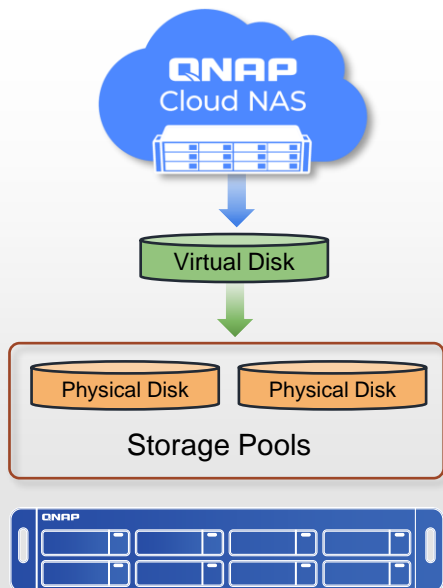


On-premise Virtualization Platforms



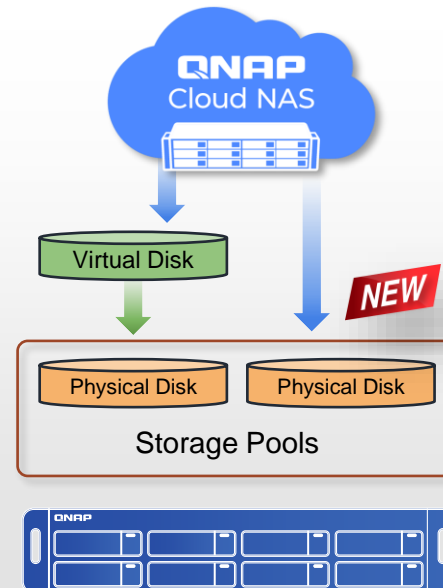
Storage Pass-through

Use virtual disk



Use pass-through disk

NEW



Use cases

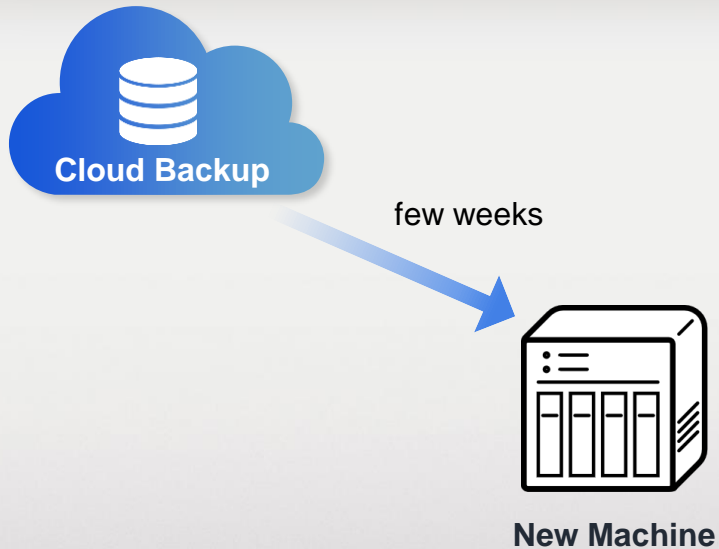
QuTScloud



Quickly recover data encrypted on the disk array



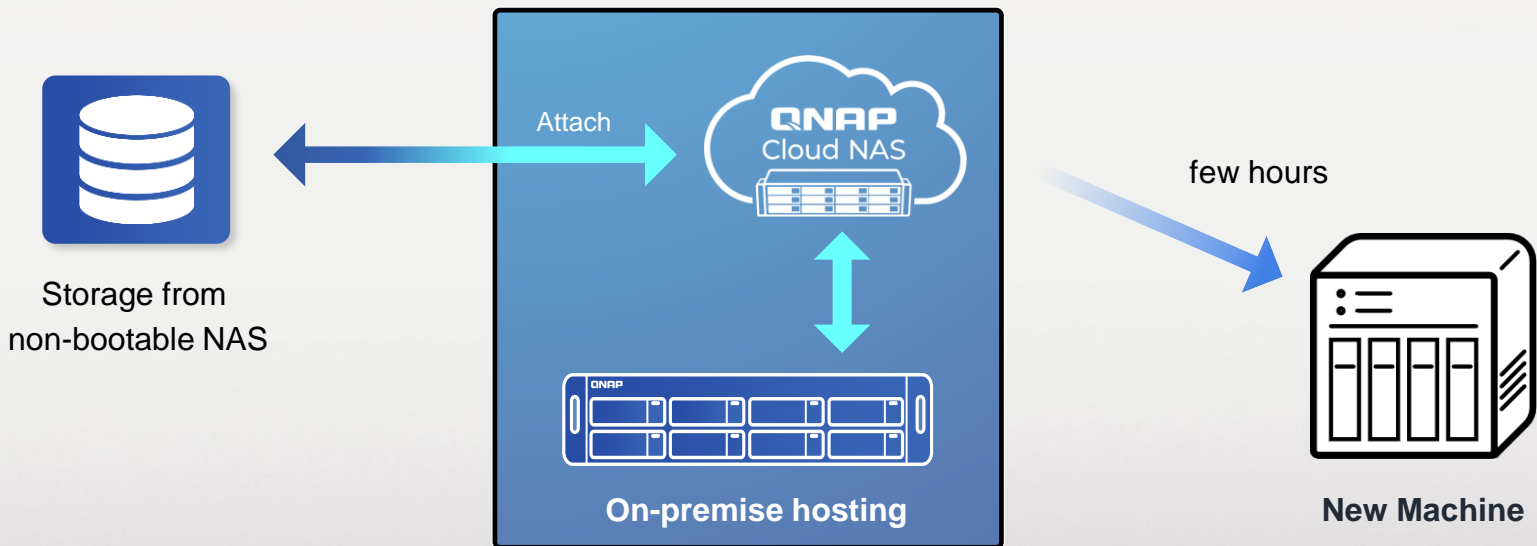
Users need to spend several weeks downloading terabytes of backup data from the cloud



Quickly recover data encrypted on the disk array



Install QuTScloud on the local server and mount the disk array, the original data can be accessed immediately after decryption



New way to experiment with QTS



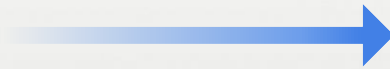
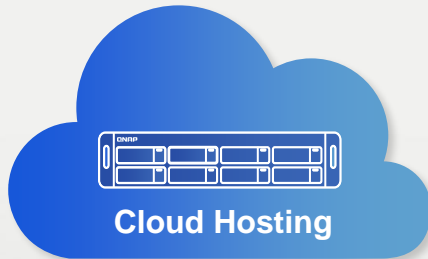
New user want to try feature of QTS



New way to experiment with QTS



QuTScLOUD provides users to try the features of QTS without purchasing hardware devices.



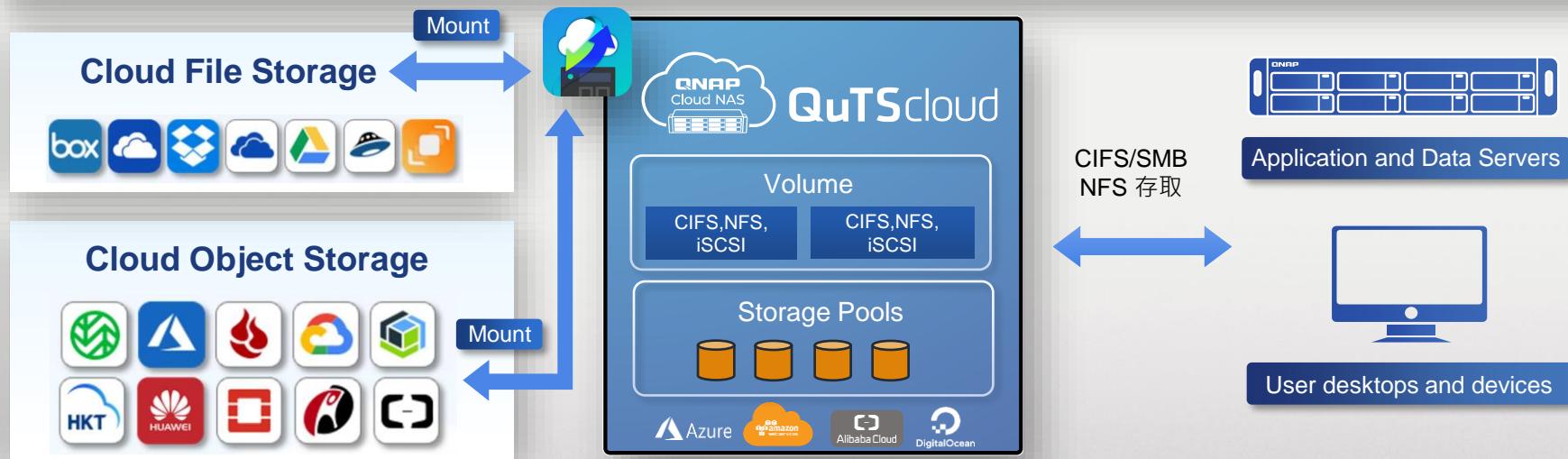
Centralized storage server on the cloud



IT admins want to extend their infrastructure to the cloud to centrally store, manage and share all of their dissipated data



QuTScLOUD is a complete storage and file sharing on cloud that supports file sharing protocols like CIFS/SMB, NFS and iSCSI. The HybridMount acts a gateway to all the cloud storage platforms, allowing users to access all their dissipated data from within QuTScLOUD. Using Qfile mobile app, the user can access data at their fingertips.



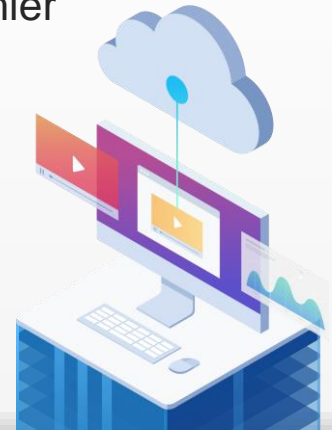
Success Story – qibb (Germany)

Background

- qibb provides online video editing solution (SaaS) hosted in AWS
- Use Adobe Premiere running in a Windows VM on AWS

Challenge

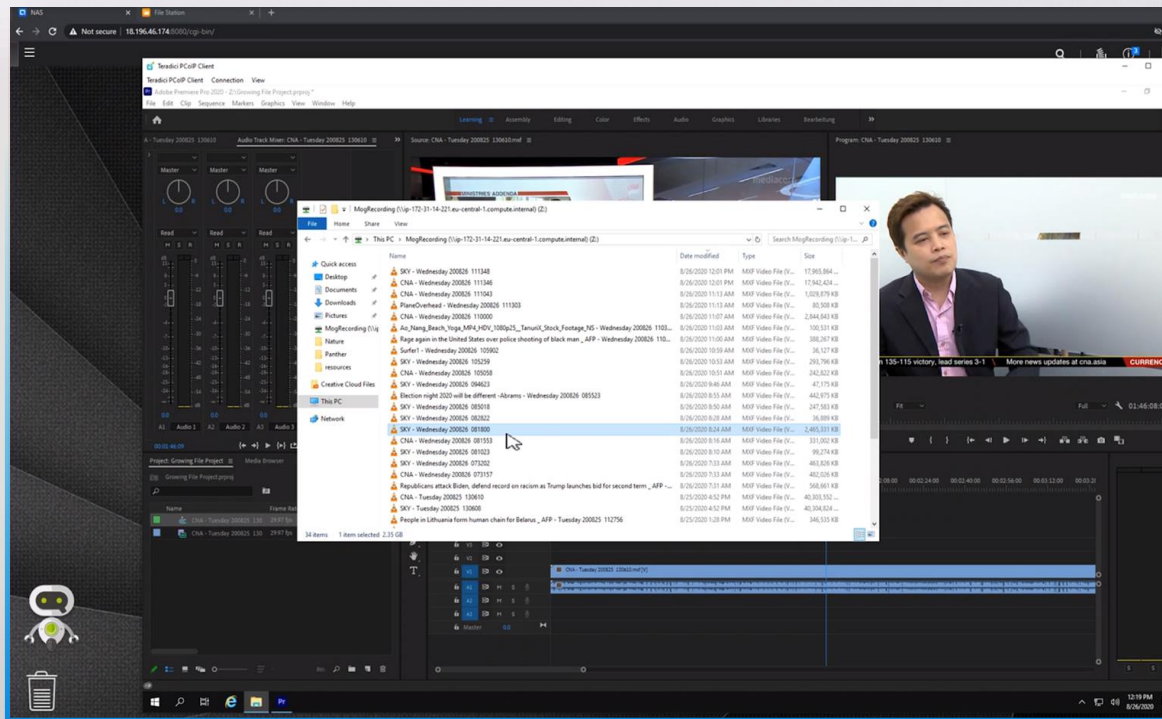
- The videos are large in size. They want to drag and drop the videos into the Adobe Premier
- Storing videos in S3 is not feasible as reading from S3 is extremely slow



Success Story – qibb (Germany)

Solution

- Looking for a Cloud NAS solution that can help to store and read the videos from the AWS EBS volumes
- Using QuTScloud on AWS and then using SMB to mount the storage to windows interface
- Drag and Drop the videos to Adobe Premier. 100 Mbps read speed demonstrated.
- Want to integrate QuTScloud APIs within their ecosystem





Live Demo

QuTScIoud

Live Demo

- 1 How to use storage pass-through on QuTScloud
- 2 How to deploy QuTScloud on OVHcloud



DEMO

Features

QuTScloud



Main features and benefits of QuTScloud

1

Storage Expansion

2

Data Sharing and Management

3

Data Efficiency

4

Data Protection and Security

5

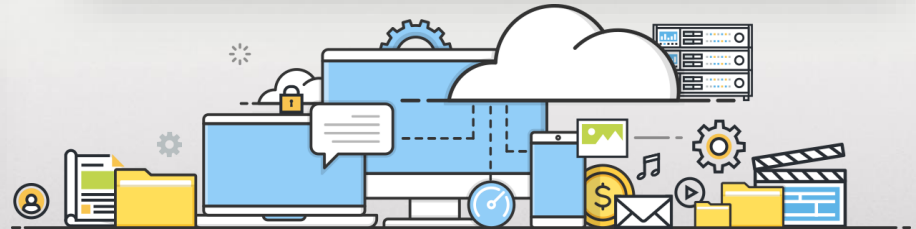
Real-time Mobile Notifications

6

Productivity apps for backup, management, and multimedia

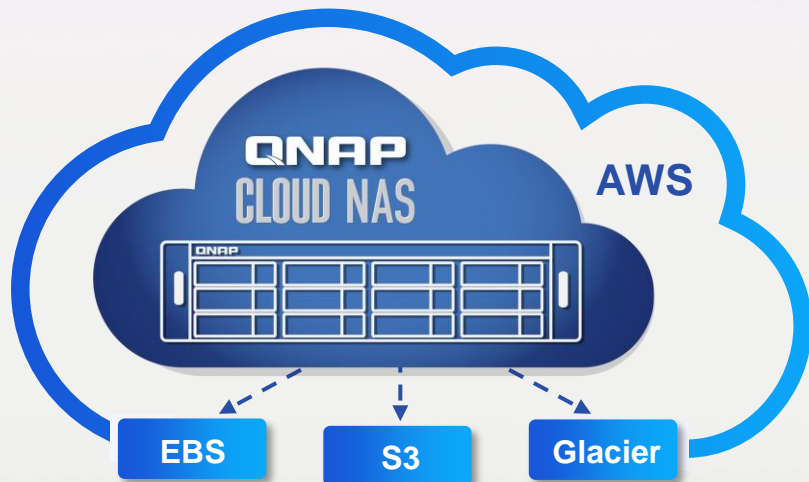
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Subscription-based Pricing



Storage Expansion with HybridMount for cost saving

Mount external storage to QuTScloud



AWS Local Storage

Unified dashboard to manage all cloud storage



With HybridMount

Data sharing and 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

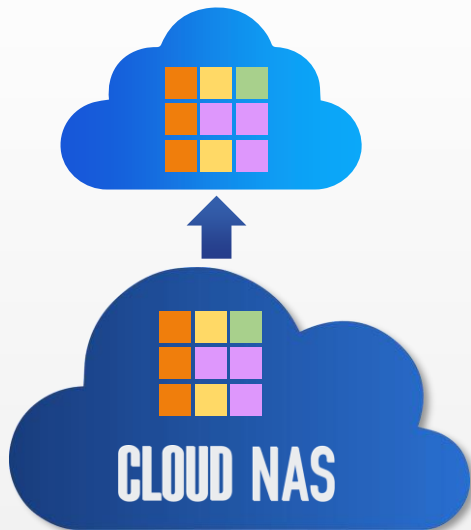
1. Active Directory authentication
2. LDAP authentication



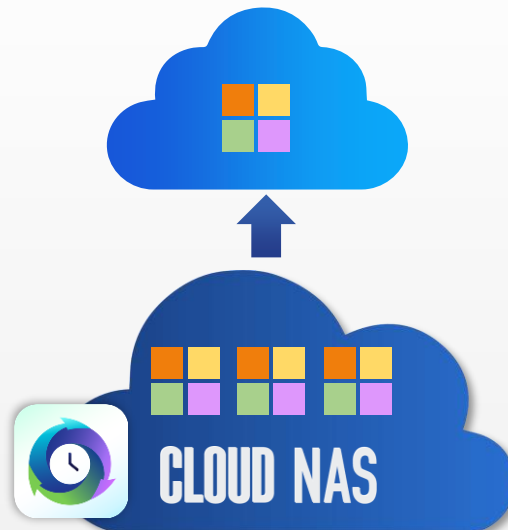
Data efficiency with deduplication

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

Without QuDedup



With QuDedup



Data protection and security

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.



Real-time status notifications at your fingertips



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.



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



Subscription-based Pricing

1 Core	2 Cores	4 Cores	6 Cores	8 Cores	12 Cores	16 Cores	24+ Cores
Monthly \$ 8.99	Monthly \$ 11.99	Monthly \$ 19.99	Monthly \$ 29.99	Monthly \$ 39.99	Monthly \$ 69.99	Monthly \$ 99.99	Monthly \$ 129.99
Yearly \$ 89.99	Yearly \$ 119.99	Yearly \$ 199.99	Yearly \$ 299.99	Yearly \$ 399.99	Yearly \$ 699.99	Yearly \$ 999.99	Yearly \$ 1299.99
Recommended for: Total NAS Users: 1-5 Concurrent Connections: Up to 10	Recommended for: Total NAS Users: 6-10 Concurrent Connections: Up to 10-20	Recommended for: Total NAS Users: 10-20 Concurrent Connections: 20-50	Recommended for: Total NAS Users: 20-50 Concurrent Connections: 50-100	Recommended for: Total NAS Users: 50-100 Concurrent Connections: 100-200	Recommended for: Total NAS Users: 100-200 Concurrent Connections: 200-500	Recommended for: Total NAS Users: 200-500 Concurrent Connections: 500-1000	Recommended for: Total NAS Users: 500+ Concurrent Connections: 1000+



QuTScloud

Cloud NAS Solution

Is your Best Choice !

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