

Apple's Mac shipments ranked fourth in the world as PC market

- Mac PC shipments are growing year over year
- Enterprises have increased purchase intention for Mac

Preliminary Worldwide PC Shipment 1Q18

	1Q18 Shipments	1Q18 Market Share(%)	1Q17 Shipments	1Q17 Market Share(%)	1Q18-1Q17 Growth(%)
HP Inc.	12,856	20.8	12,505	20.0	2.8
Lenovo	12,346	20.0	12,305	19.7	0.3
Dell	9,883	16.0	9,277	14.8	6.5
Apple	4,264	6.9	4,199	6.7	1.5
Asus	3,900	6.3	4,458	7.1	-12.5
Acer Group	3,828	6.2	4,189	6.7	-8.6
Others	14,609	23.7	15,637	25.0	6.6
Total	61,686	100.0	62,569	100.0	-1.4

https://appleinsider.com/articles/18/04/11/mac-sales-return-to-growth-in-q1-amid-continued-pc-market-decline

Mac users' backup habit

Common situations...

- Copy the important data only.
- · Never do it.

Why?

- Forgot it.
- Must plug in the external storage.
- Manual backup wastes time.



3-2-1 Backup Strategy



What kind of backup solution is safe?

- How many copies?
- Where to store?

Best strategy for complete backup

Recommend backup approach by the U.S. government

[©] 3-2-1 Backup Strategy _a





How to implement 3-2-1 backup strategy for Mac

Traditional backup method

File copy

What else should be considered?

- Is it enough to only copy files?
- Keep the latest version only?
- How to restore from backup?







Mac's exclusive backup software Time Machine

Time Machine provides

- Comprehensive backup system and file levels at the same time
- Multi-version backup
- Easy and intuitive file restore or system restore
- Backup encryption









Comparison of storage devices for Time Machine

	Mac Local	External Storage	Time Capsule	QNAP NAS
Storage Capacity	Fixed	Fixed	Fixed	Expand on demand
Storage Protection	NA	Lower - RAID	NA	Higher - RAID - Snapshot - Hybrid Backup Sync
Data access speed	Faster 1	USB: Slower Thunderbolt: Faster	1GbE: Slower	10GbE: Faster Thunderbolt3: Faster
Supports multiple users	NA	NA	Supported 1	Supported 1
Backup space management	NA	NA	NA	Supported 1

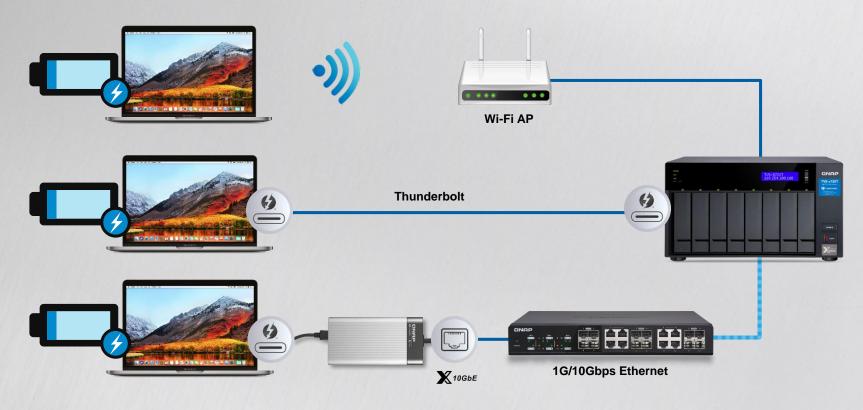


QNAP NAS makes Time Machine backup more complete



How to connect Mac to QNAP NAS





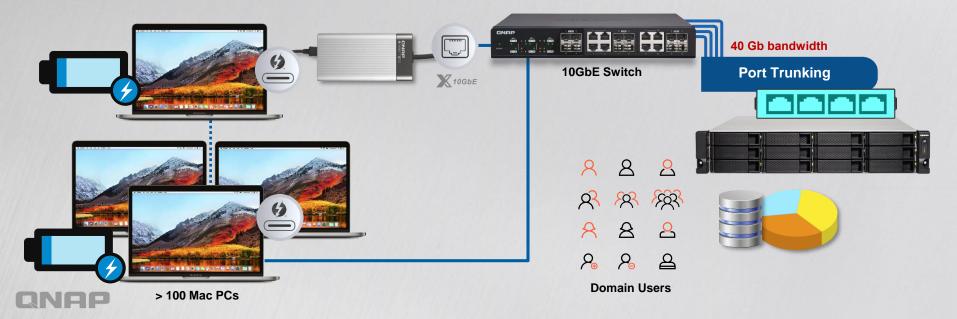


Mac backup solution for enterprises

- Backup space quota allocation for multiple users
- High-speed transmission interface and technology
- Suitable for different network segments
 How to backup via SMB across network segments?

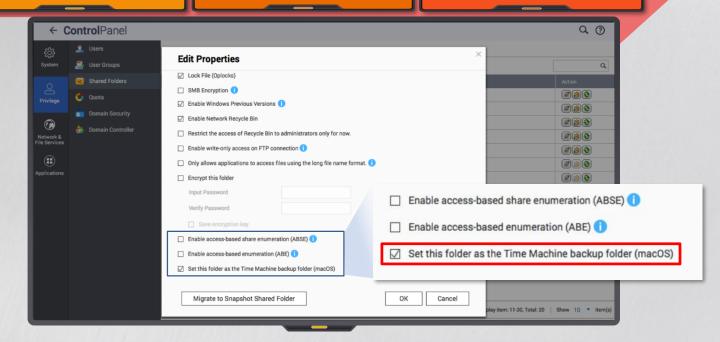
\$ sudo tmutil setdestination smb://{USER_NAME}:{PASSWORD}@{NAS_IPADDRESS}/{SHARED_FOLDER_NAME}

Centralized storage management, easy to back up again



How to prepare the NAS

- 1. Set up Account
- 2. Backup Space Management
- 3. Set up the Shared Folder

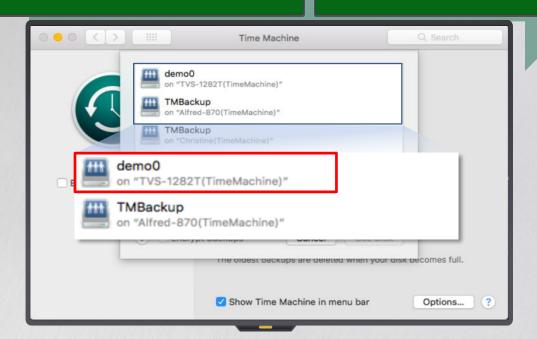




How to set up on Mac



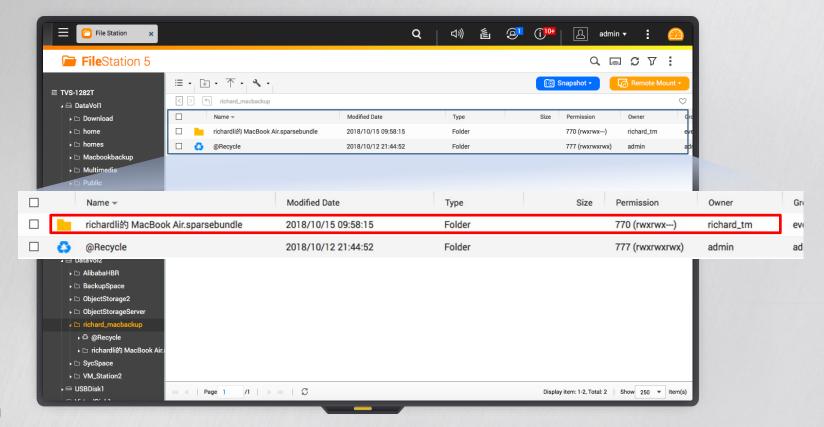
2. Set up file exclusion rules





View the Time Machine backup







Timeline brings your file back to life









Fluent network traffic with high-speed transmission interface

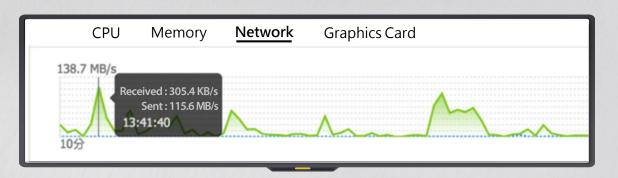
- QNAP NAS provides
 - √ 10GbE
 - ✓ Thunderbolt 3
- Release more bandwidth for work while Time Machine runs







ONAP





Complete data protection

- Support for a variety of RAID levels
- Snapshots allow your QNAP NAS to record the state of the system at any time
- Hybrid Backup Sync construct a complete backup solution: 3-2-1 Backup Strategy







Simple Backup Management

- - Support the dedicated Time Machine account
 - Support multiple accounts
 - Set up the quota of backup space for each user
 - View the storage space





























High scalability of storage space

- Multi-bay models for expanding the number of disks
- VJBOD (Virtual JBOD) allows usage of storage resources of other QNAP NAS
- External hard drive with USB 3.0
- Expansion enclosures from QNAP



QNAP NAS makes automatic backup easy











111111

Interes.



QNAP