

QNAP

QuObjects

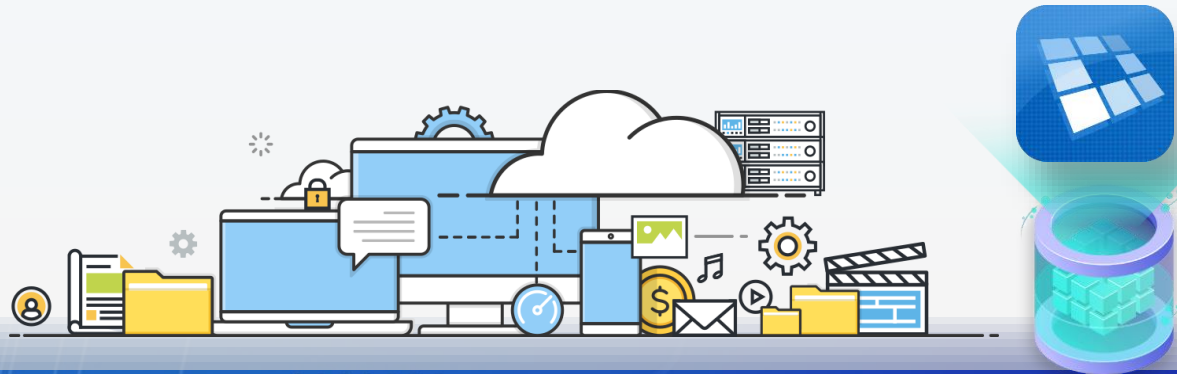
S3 相容物件儲存應用，支援工程師常用的 S3 用戶端工具及 ARM NAS 機種



QuObjects 是什麼？

QuObjects 可以把 QNAP NAS 成為與 AWS S3 一樣的環境(S3 Compatible)

可以用來測試在 AWS S3 上的物件服務並享受低成本高效能的物件測試環境



透過 QuObjects，使物件服務開發更有效率



搭配
HybridMount
快速上雲



相容於 AWS S3，
免改程式碼即可進行開發



搭配 HBS，
備份整個專案



在辦公室享受Local端連線速度



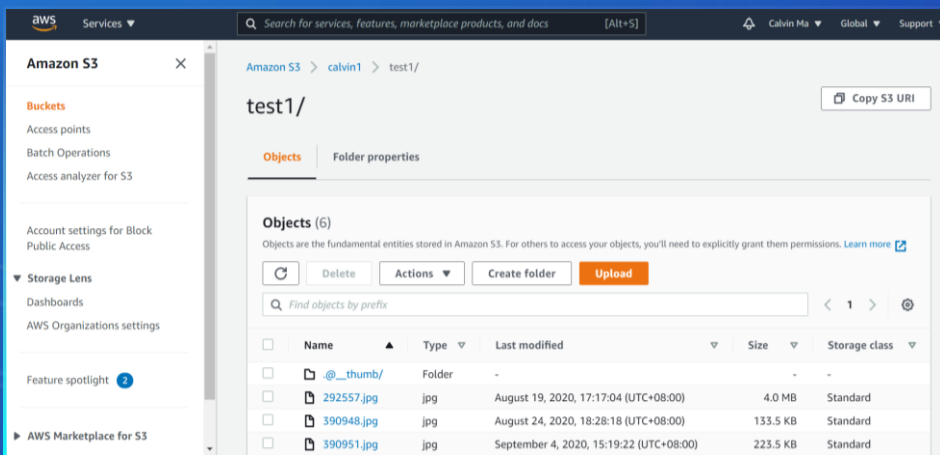
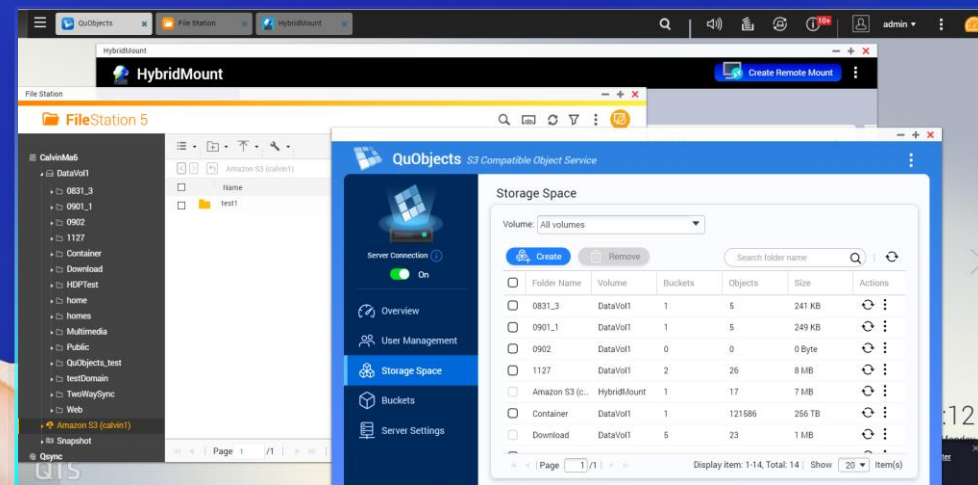
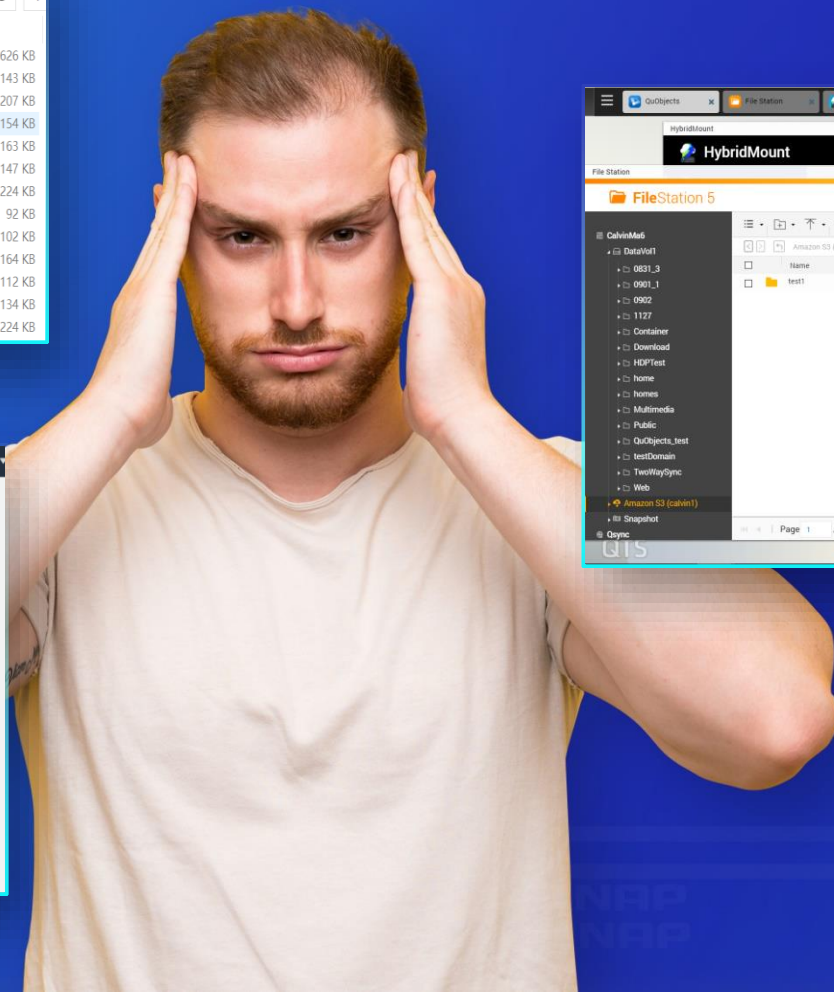
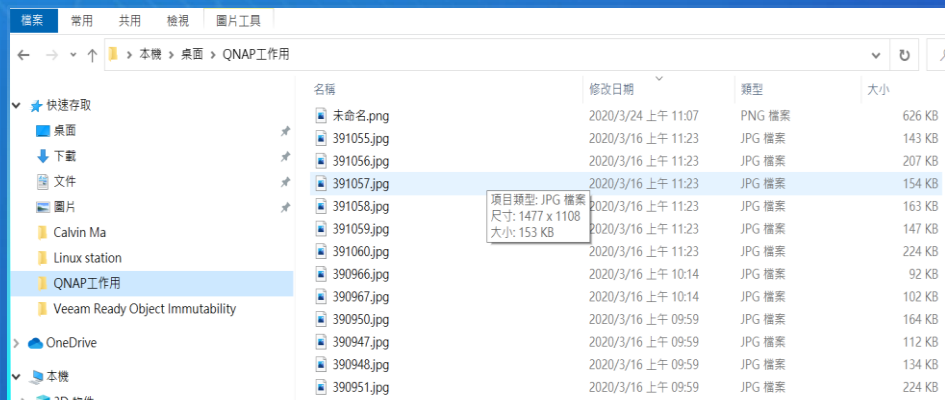
在外也可直連公有雲享受便利性



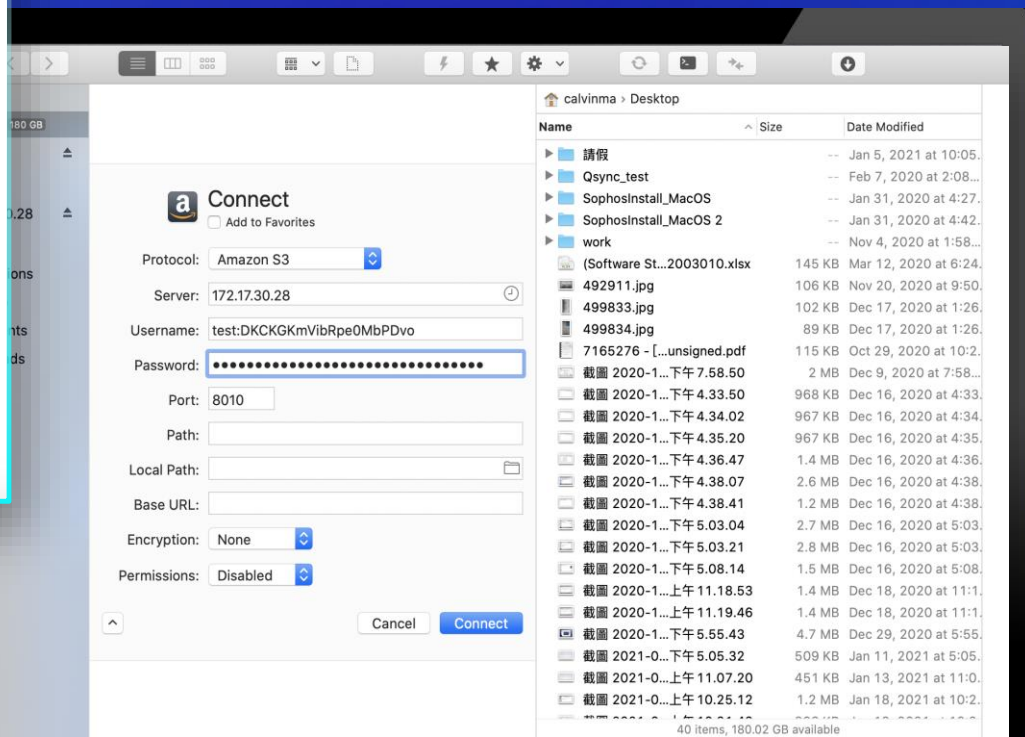
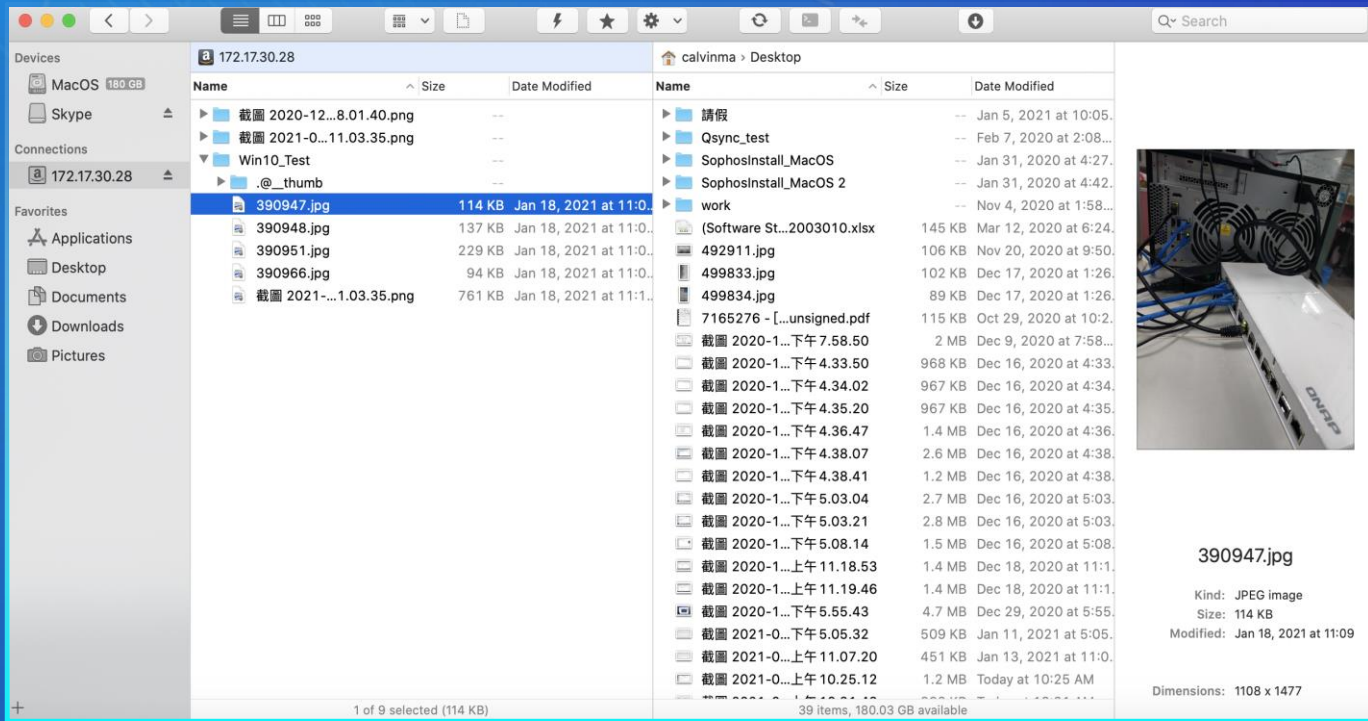
辦公室的NAS可快速備份



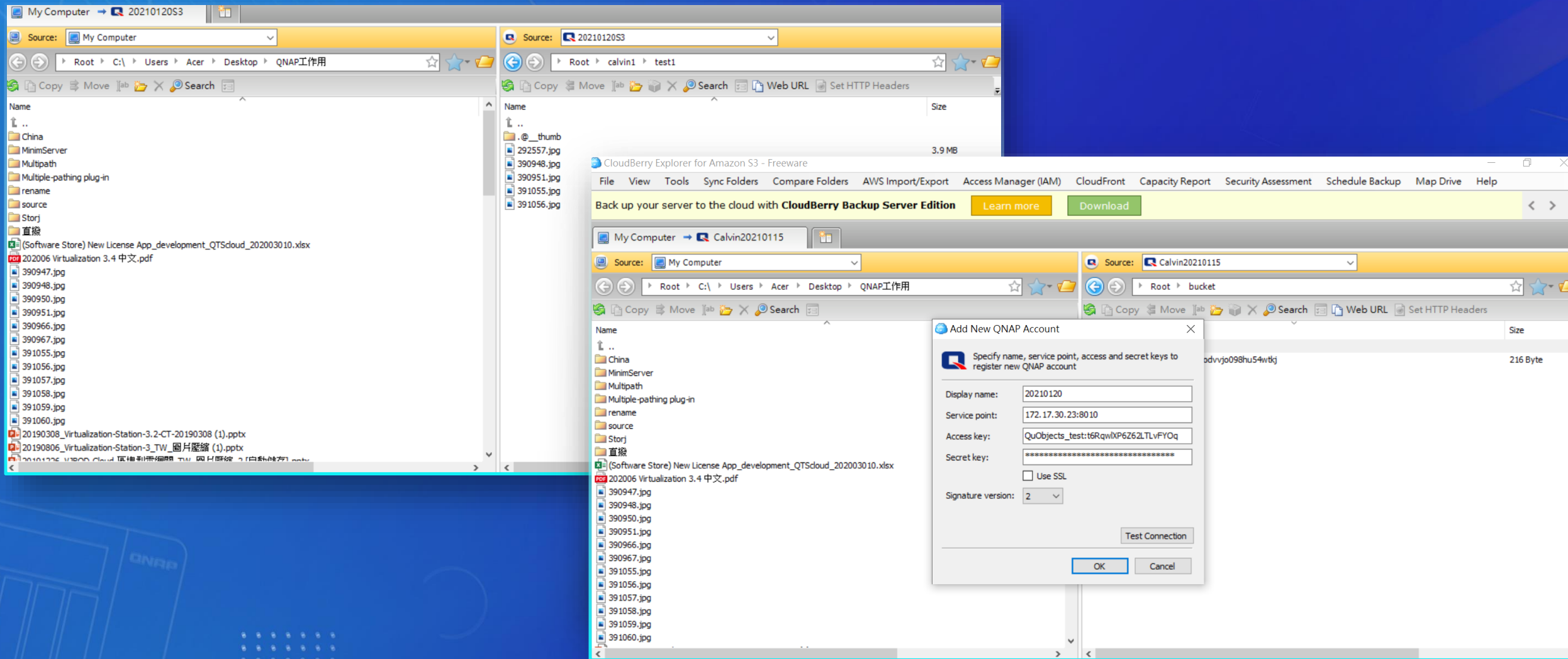
桌面 - NAS - 雲端 資料傳輸視窗開很多又混亂



S3 Tool 整合多個視窗為一 以Forklift 3為例



S3 Tool 整合多個視窗 以 CloudBerry 為例



操作步驟 - 下載 QuObjects 於 QNAP APP Center

歸類在備份/同步的索引內

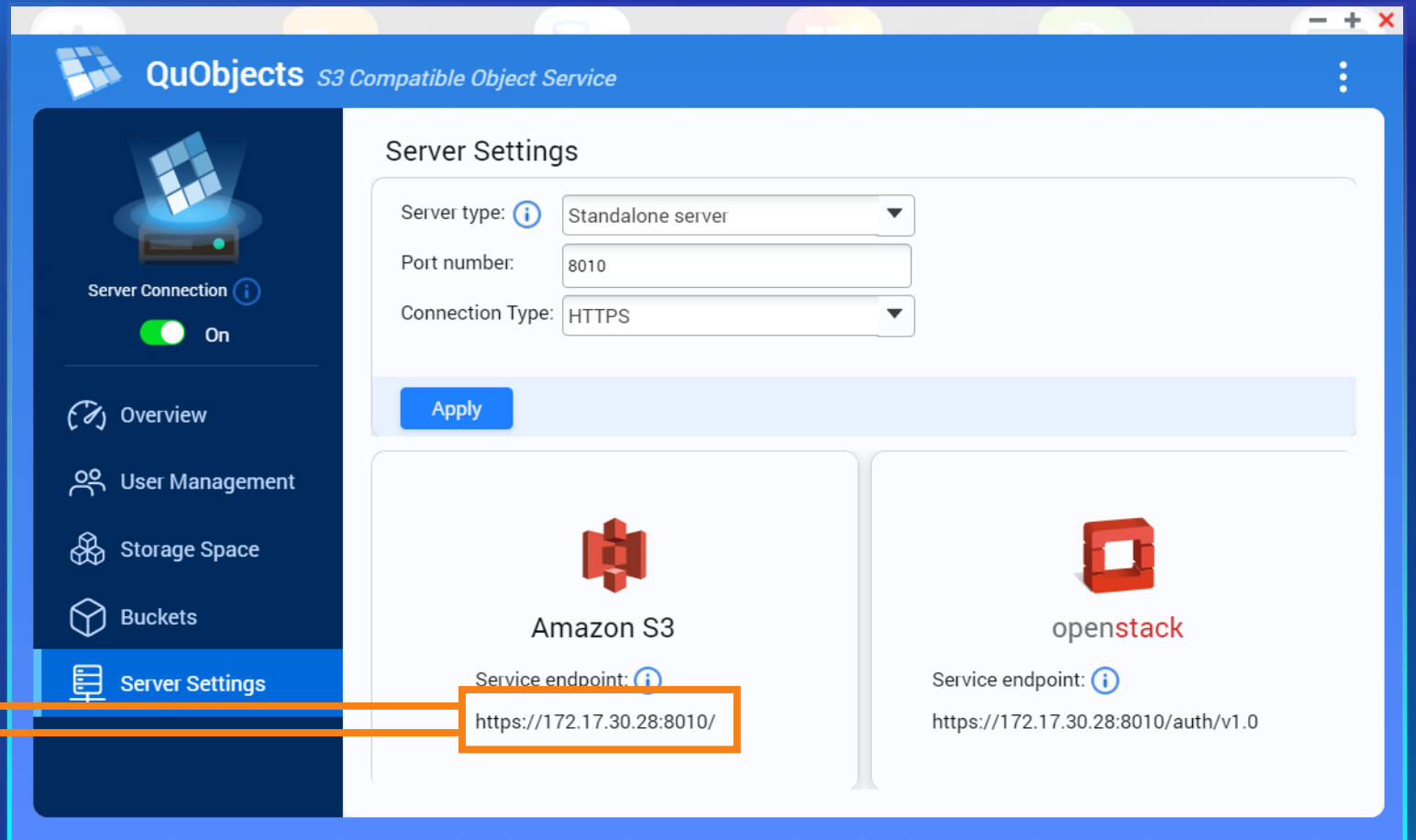
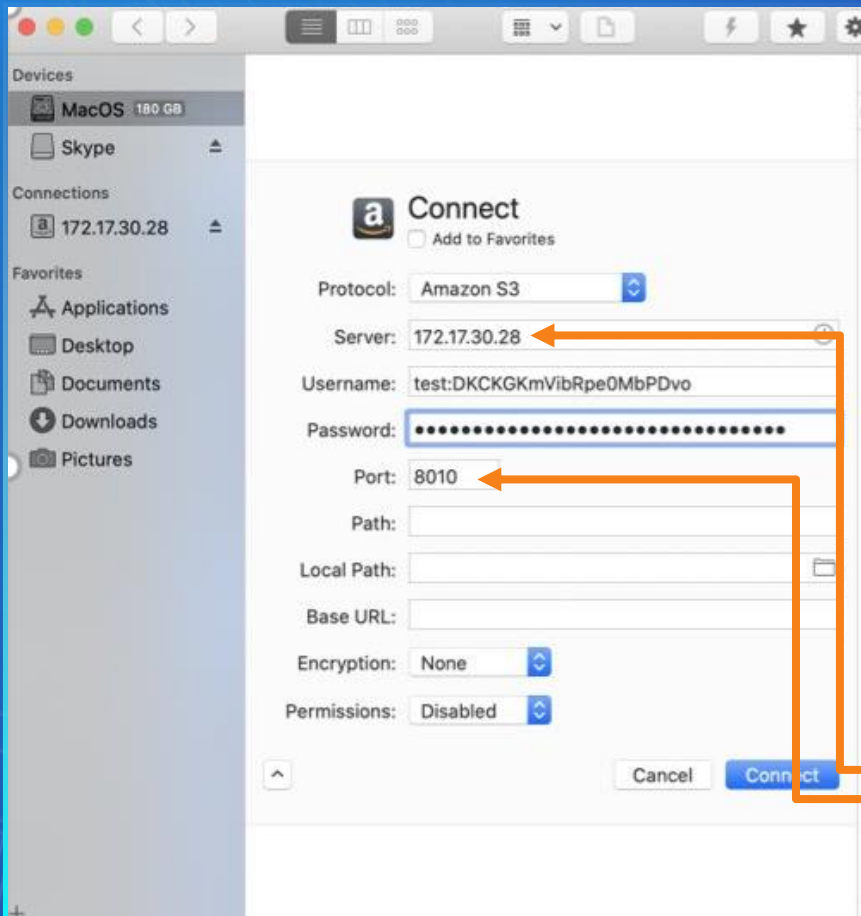


The screenshot displays the QNAP App Center interface. On the left, a sidebar lists various application categories such as '我的應用程式', 'QNAP Store', 'HybridDesk Station', and '多媒體附加元件'. The main content area features a modal window for the 'QuObjects' application. The modal includes the app icon, name, version (V2.1.1205), and a download count of 21381. Below this, there is a preview of the QuObjects web interface, which shows an 'Overview' section with 'Basic Statistics' (Used Storage: 24.31 GB, Storage Space: 5, Buckets: 12, Files: 53) and 'Request Data' charts. To the right of the modal, there is a '+ 安裝' button and a section for '資源' (Resources) with links for '更新日誌' and '下載'. Below that, a '語言' (Language) section lists supported languages including Czech, Dansk, Deutsch, English, Español, Français, Italiano, Magyar, Nederlands, Norsk, Polski, Português, Română, Suomi, Svenska, Türk dili, Ελληνικά, Русский, 日本語, 简体中文, 繁體中文, and 한글.

連線操作-只需要兩個步驟即可完成連線-

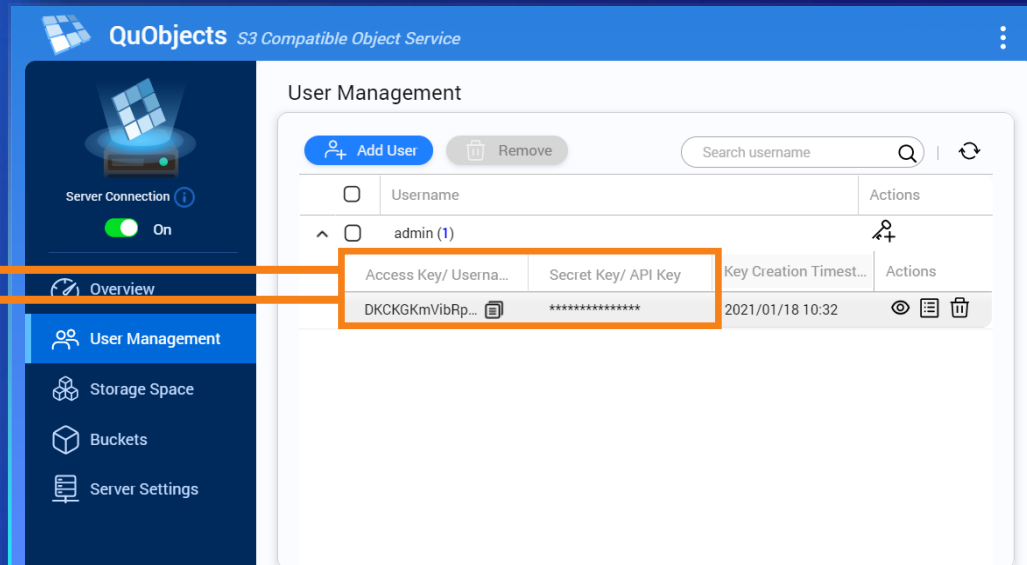
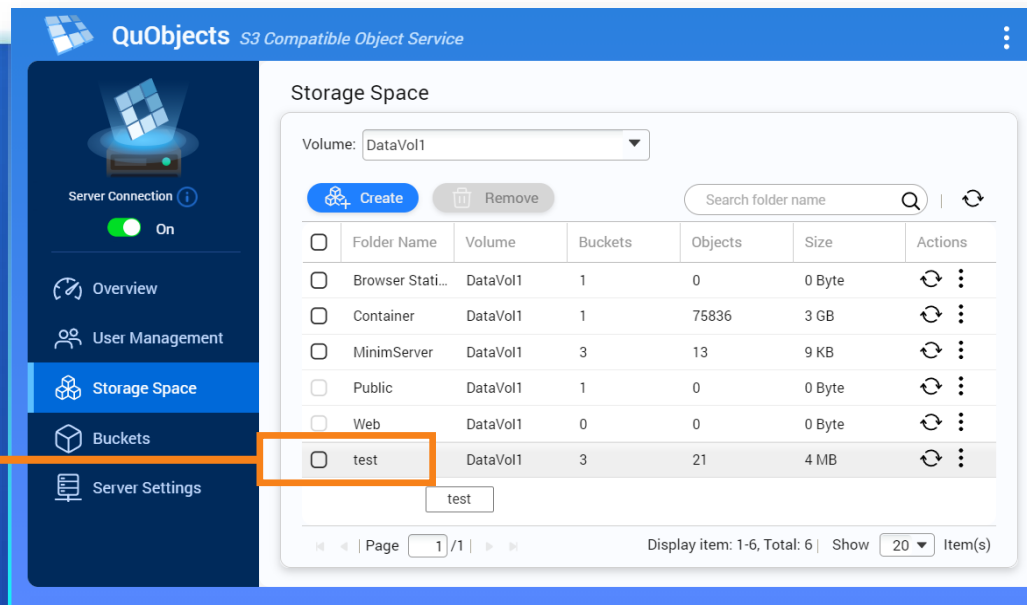
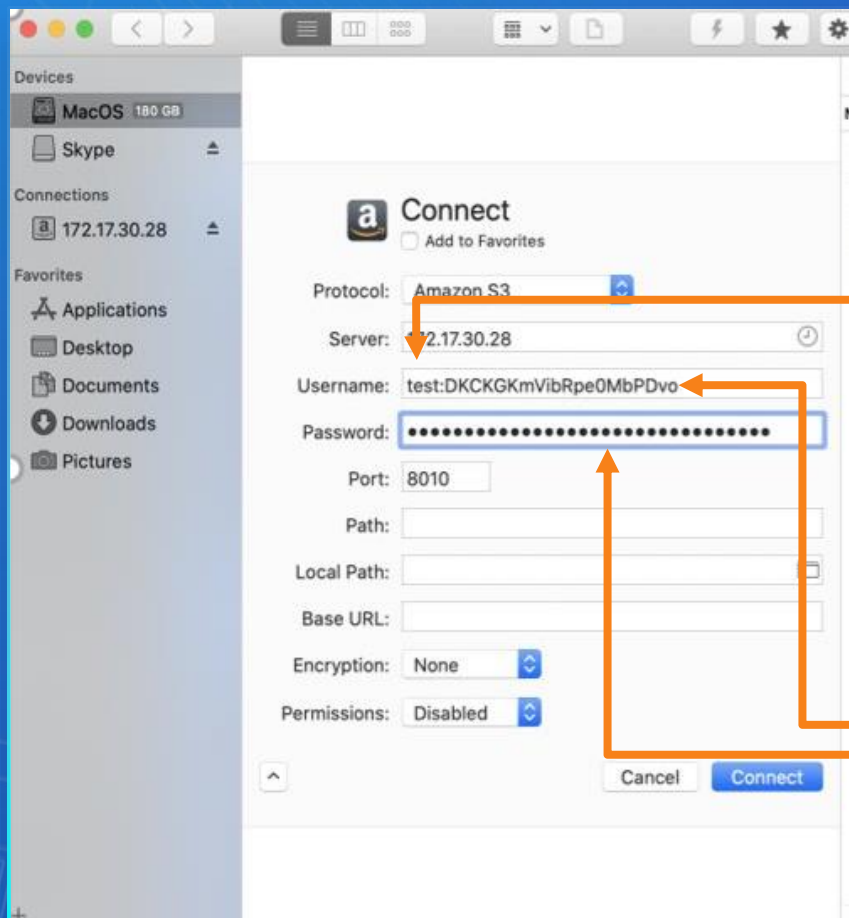
1

步驟一：輸入IP位址與 Port



連線操作-只需要兩個步驟即可完成連線-

2



步驟二：
輸入儲存空間共享
資料夾名稱+帳號，
密碼

QuObjects 現在支援多個 S3 Tool 解決方案

Tool 名稱	CloudBerry™	Forklift 3™	CyberDuck™	Commander One™
Tool 隸屬公司	MSP360™	BinaryNights™	Iterate™	Eltima™
支援 OS	Windows/Mac	Mac	Windows/Mac	Mac
QuObjects 版本支援	現行版本可支援	現行版本可支援	下一版本 約 2/E 更新	下一版本 約 2/E 更新
資料來源 Tool 官網連結	https://www.msp360.com/explorer.aspx	https://binarynights.com/	https://cyberduck.io/	https://mac.eltima.com/file-manager.html

上述Tool名稱與商標皆屬於Tool隸屬公司所有相關資訊可以參考資料來源Tool的官網連結

S3 Tool 連線 QuObjects



DEMO



Cosbench 效能測試 - 物件服務測試的 S3 好環境!

Read/Write Rampup Time	Runtime	Selector	Driver	Worker	Container	Object	Object Size	Read	Write
30	300	sequential	2	16	1	1000	16MB	2.5 GB/S	935.91 MB/S
30	300	sequential	2	16	1	1000	32MB	2.75 GB/S	1.12 GB/S
30	300	sequential	2	16	1	1000	64MB	2.88 GB/S	1.19 GB/S
30	300	sequential	2	16	1	1000	4K	1134.35 op/s	601.36 op/s

測試環境: CosBench version: 0.4.2.c4 QuObjects version: 2.1.1254
Server:1885U: 32G ram, raid0 (SSD 500G*8), (office lan/ 25G lan)

Client : 977XU,40G ram, harddisk 1T,(office lan/ 25G lan)



現行 ARM 機種也可支援 QuObjects 物件儲存應用

QuObject 現行可以支援 ARM 64-bit NAS (TS-x32 series and TS-1635AX)



TS-1232PXU-RP

雙電源四核心 1.7GHz 機架式 NAS，配備
雙 10GbE SFP+ 與雙 2.5GbE 網路埠，專
為 SMB IT 環境打造



TS-1635AX

具備 16 個硬碟槽，採用 Marvell®
ARMADA® 8040 高效能處理器的
多功能桌上型 NAS

用戶回饋, 我們聽到了 !!

1. 支援 Standalone server https mode 

2. 支援 ARM-Based 機種 

3. 支援 Virtual hosted style access - 預計下一版本支援 2/E 

The standalone server mode only exposes a HTTP interface. Unfortunately, all the S3 tools I have available require a HTTPS connection with no option to override. This makes the standalone server option pointless now. I have not explored the Web Server option yet, as this will require me to make changes to my hosts file to ensure that traffic goes to my NAS correctly. From UK user

I'm really concerned about data privacy. I need to store client backup data using QuObjects, but I can only create an HTTP endpoint and not an HTTPS endpoint. I have a publicly signed, trusted certificate but the endpoint is only using HTTP and not HTTPS. I need to get this resolved before I use it in production. From USA user

希望可以支援ARM機種
from Taiwan user



the mazing feature is the speed of data upload and browsing as well . From Palestine user

QNAP



QuObjects

物件儲存應用的好工具