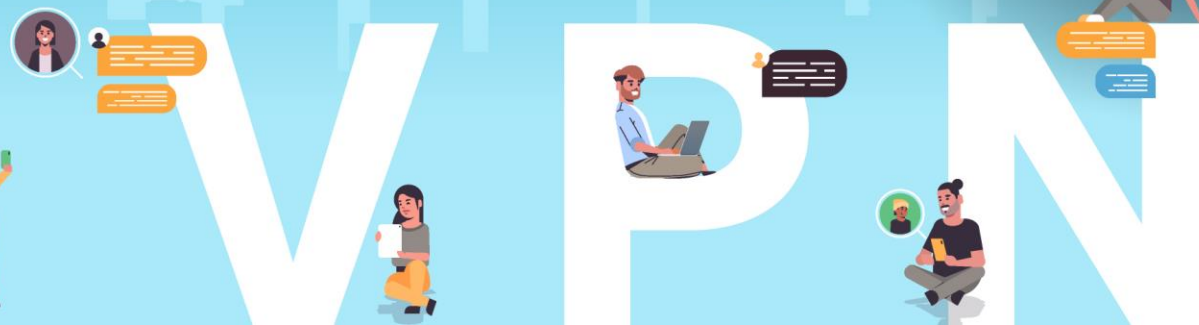


QNAP

# QuWAN 2.3

雲端中控系統強化 QNAP Router 全產品線的多點  
VPN連線，讓行動裝置可以零接觸且快速組建VPN





# 大綱

- QuWAN為VPN帶來什麼樣的改變？
- 功能介紹



# QuWAN為VPN帶來 什麼樣的改變？





# 員工不在辦公室的工作型態越來越常見

**BUSINESS** | A Two-Year, 50-Million-Person Experiment in Changing How We Work

The last two years ushered in an unplanned experiment with a different way of working: Some 50 million Americans left their offices. Before the pandemic, in 2019, about 4 percent of employed people in the U.S. worked exclusively from home; by May 2020, that figure rose to 43 percent, according to Gallup. Of course, that means a majority of the work force continued working in person throughout the last two years. But among white-collar workers, the shift is stark: Before Covid just 6 percent worked exclusively from home, which by May 2020 rose to 65 percent.

“The only thing holding back flexible work arrangements was a failure of imagination,” said Joan Williams, director of the Center for WorkLife Law at the University of California, Hastings. “That failure was remedied in three weeks’ time in March 2020.”

因為某些原因如疫情



職務性質



駐點員工



# 人不在辦公室還是要辦公事





# 但要要怎麼確保連線安全



VPN

VPN



# 那誰來設定及管理VPN?

許多中小企業是沒有IT的

Happy Company



Owner



Engineers



Sales



Accounting



# 偏偏傳統VPN設定上困難重重

Employees(Client)



VPN

Office(Server)



Enter server IP  
Service port  
PSK  
...

Find the router IP address  
Setup firewall/NAT rule  
Setup authentication for client  
Setup encryption for client  
Check the routing  
...





# 如今天連公司都是多個辦公室的環境就更複雜

WFH employees(Client)



Employee VPN

Enter server IP  
Service port  
PSK  
...

Sub office(Server)



Find the router IP address  
Setup firewall/NAT rule  
Setup authentication for client  
Setup encryption for client  
Check the routing  
...

Office VPN

Main office(Server)



Employee VPN

Enter server IP  
Service port  
PSK  
...

Employee VPN

Enter server IP  
Service port  
PSK  
...

Field employees(Client)



Sales(Client)



Enter server IP  
Service port  
PSK  
...

Find the router IP address  
Setup firewall/NAT rule  
Setup authentication for client  
Setup encryption for client  
Check the routing  
...



# 這時老闆通常只有兩條路可以做選擇

**Owner**



我需要額外多請一個IT  
來管理這麼多的VPN

不如我就自己來學  
習設定吧!



# QuWAN就是來改變VPN世界拯救SMB老闆的



**QuWAN**



成本更低



更簡單省時



# QuWAN可以降低SMB在建置VPN的成本

## S2S VPN

Suppose we need to deployed 5 device for VPN connections



## QuWAN

Once for FIVE!



建立VPN連線變快  
也變簡單了

Owner





# 全系列QuWAN產品都可以從雲端直接設定 行動裝置VPN連線

太棒了，不需要自己設定多條QBelt了，也不需要決定要連那一台server



QVPN



QMiroPlus-201W



QHora-301W



QNAP NAS

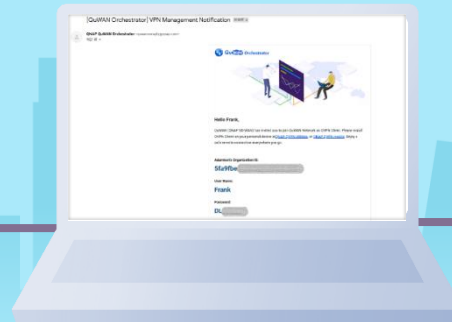


QuWAN

連讓員工連VPN  
都這麼方便!!

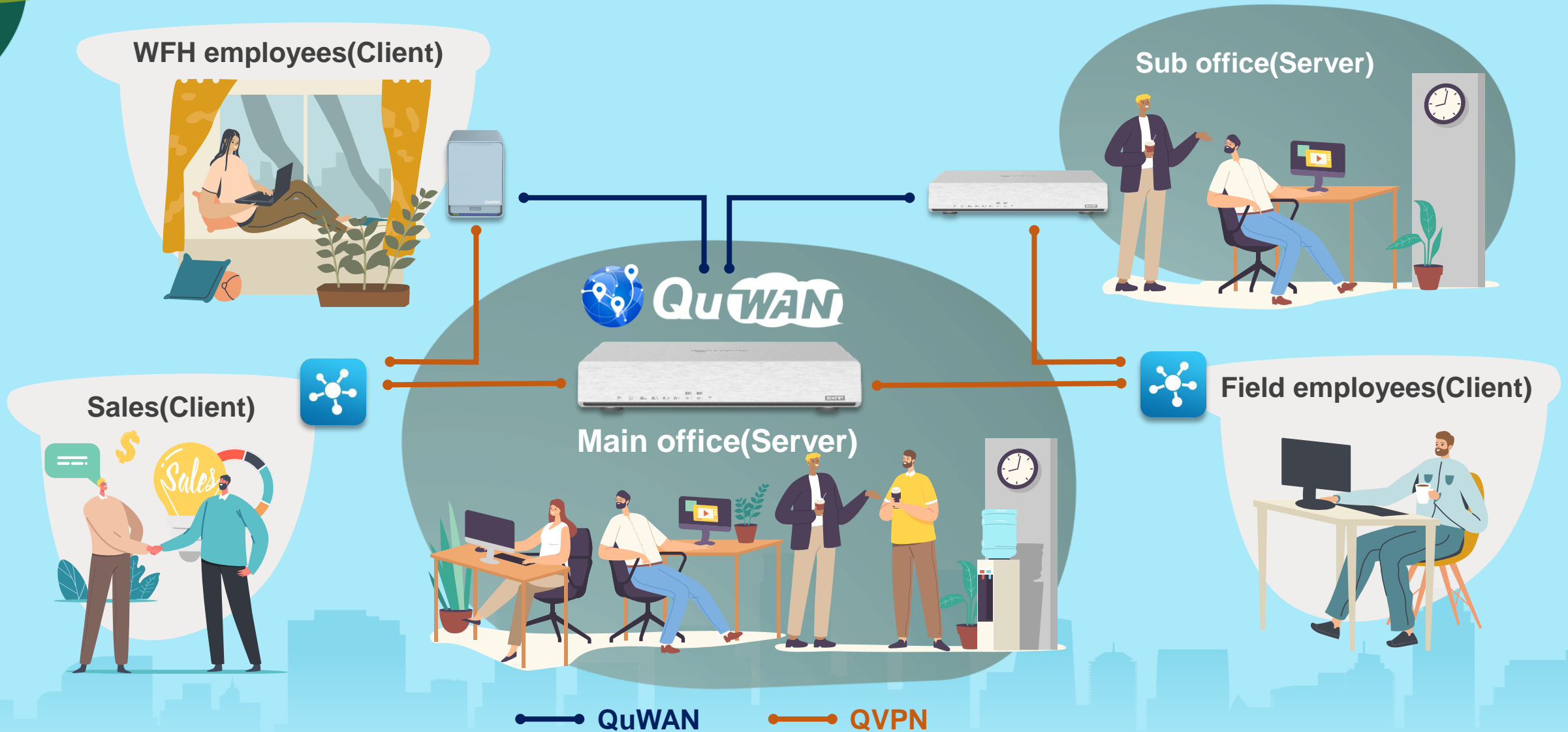
Owner

這是你的設定檔



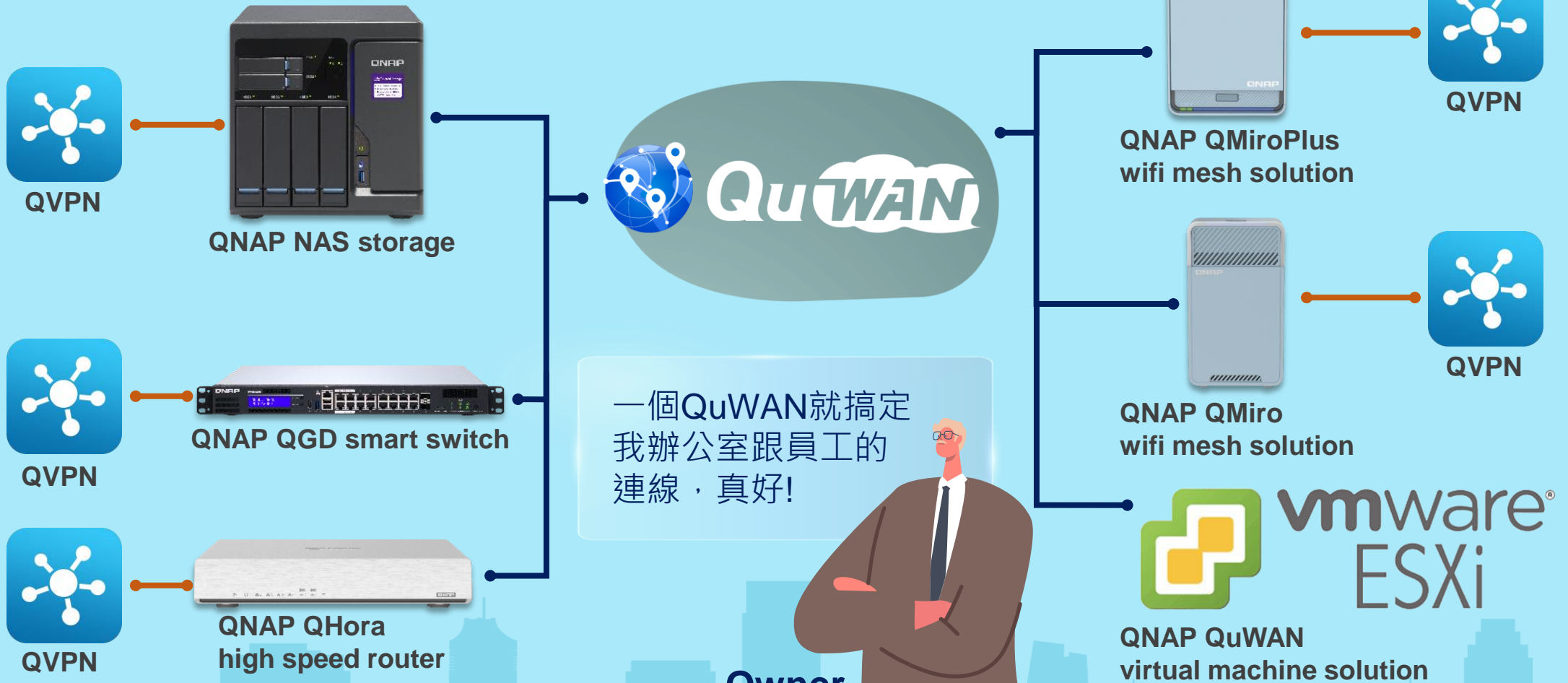


# 辦公室跟外點連線一個平台統一管理





# QuWAN+QVPN讓VPN設定更簡單，覆蓋範圍更廣更多元





# QuWAN支援QVPN server的優勢



- 可集中管理QVPN使用者
- 可同時設定多台QVPN server
- 可同時管理多台QVPN server
- 可在雲端直接掌握所有QVPN使用者連線情況
- 使用者不需要記錄多組QVPN server IP addresses
- 搭配QVPN client app上server連線狀況顯示，可直接連線當下最佳狀態的server
- 保留使用者想自行選擇要連線的server選項(在QVPN client上)

QuWAN就是我的IT!



**Owner**



# 功能介紹





# GUI介紹

**QuWAN Orchestrator**

Org: Adamtest | FrankLiao

## VPN Server Settings / QuWAN QBelt VPN Server

[QuWAN QBelt VPN Server Quick Start](#)

Download the QVPN Device Client application  
[Utilities](#) | [Mobile App](#)

Enable | Disable | Selected: 0 | Search

<input type="checkbox"/>	Hub ▲	Region ▼	VPN User IP Range	UDP Service Port	Maximum VPN Users ▼	DNS Servers	VPN Server Status ▼	Toggle Status ▼	Action
<input type="checkbox"/>	0813QTS	My global region	198.18.6.2~198.18.6.255	5533	25	198.18.6.1	✔ Toggle Status	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	0909	My global region	198.18.6.2~198.18.6.255	5533	25	198.18.6.1	✔ Toggle Status	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	syunKVM	123	198.18.6.2~198.18.6.255	5533	25	198.18.6.1	✘ Inactive	<input type="checkbox"/>	



# QuWAN QVPN快速入門

讓使用者迅速瞭解怎麼啟用  
QuWAN上面的QVPN server

VPN Server Settings / QuWAN QBelt VPN Server ⓘ

[★ QuWAN QBelt VPN Server Quick Start](#)

Enable Disable Selected: 0

Hub ▾ Region ▾ VPN User IP Range UDP Service Maximum VPN Users ▾

### QuWAN QBelt VPN Server Quick Start

**Step 1: Enable the VPN server and add a VPN user.**

Once you enable the QuWAN QBelt VPN server, you can add VPN users to access the server.

- Username: Specify a username for the VPN user.
- Email address: Specify the email address of the VPN user.
- Accessible hubs: Select from multiple available QuWAN hubs that are configured as VPN servers. VPN users can only connect to the selected hubs. QNAP routers cannot function as VPN servers.
- Segment: Select a predefined segment belonging to the VPN user to apply the segmentation firewall rules. One segment can be shared between several VPN users.
- Multidevice connection: Enable to allow the VPN user access to the VPN server from multiple devices using the same account.

Next

### QuWAN QBelt VPN Server Quick Start

**Step 2: Configure the firewall settings**

QuWAN Orchestrator provides two levels of firewall security. The device-level firewall automatically allows all incoming traffic and the segmentation firewall automatically denies all traffic to ensure security within different segments of the organization.

To allow VPN users remote access to internal resources within the organization as well as external web resources, ensure that both the device-level and segmentation firewall rules allow traffic. QNAP recommends creating a customized segment and creating firewall rules within a segment for VPN users to safeguard different segments in the organization. To configure device-level firewall settings, go to QuWAN Device, select your region and device, and then click Firewall. To configure segmentation firewall settings, go to Common Configuration > Segment, and then add or modify firewall rules.

Back Next

### QuWAN QBelt VPN Server Quick Start

**Step 3: Connect to the VPN server using QVPN Device Client**

To access the VPN servers, users must download and install the QVPN Device Client application on their device. Users must configure the username, password, and organization information on the application to set up a VPN connection to a QuWAN hub.

[Utilities](#) [Mobile App](#)

3

QVPN

Back Close



# 在QuWAN上設定QVPN server

按下各QVPN server的action鍵就可編輯server設定

VPN Server Settings / QuWAN QBelt VPN Server ⓘ

[QuWAN QBelt VPN Server Quick Sta](#)

Enable | Disable

Hub	Region	Toggle Status	Action
<input type="checkbox"/>	0813QTS	My global region	
<input type="checkbox"/>	0909	My global region	
<input type="checkbox"/>	syunkVM	123	

### Configure "0813QTS" VPN Server Settings

Region: My global region

VPN User IP range: \* 198 . 18 . 6 . 2

Subnet mask: \* 255.255.255.0 (/24)

UDP service port: 5533 | [Service Management](#)

Maximum VPN Users \* 25

DNS servers: \* 198.18.6.1 (DNS limitation: 3)

Save Cancel

Download the QVPN Device Client application

[Utilities](#) | [Mobile App](#)

Toggle Status

Action



# 在QuWAN上建立QVPN QBelt使用者

可以在權限設定頁裡新增QVPN QBelt使用者

VPN Server Settings / Privilege Settings

[Add VPN User](#) [Send New Password](#) [Delete VPN User](#) [Select](#)

<input type="checkbox"/>	Username ▲	Segment ▼	Accessible Hubs
<input type="checkbox"/>	0811	global	0813QTS
<input type="checkbox"/>	0817	global	0813QTS

Accessible Hubs Segment

3 selected ▼

- All
- syunKVM
- 0909
- 0813QTS

global ▼

## Add VPN User

Total VPN users:1

Username Email address: Accessible Hubs Segment Multidevice Connection

[+ Add a VPN User](#)



Frank

franktest@test.com

3 selected ▼

global ▼

Enabled





# 在QuWAN上管理QVPN QBelt使用者

VPN Server Settings / Privilege Settings

[Add VPN User](#) [Send New Password](#) [Delete VPN User](#) Selected: 1

<input type="checkbox"/>	Username ^	Segment v	Accessible Hubs	Multidevice Connection v	Action
<input type="checkbox"/>	Edisonhsu	global	0813QTS	✔ Enabled	
<input checked="" type="checkbox"/>	Frank	global	All hubs (syunkVM, 0909...	✔ Enabled	
<input type="checkbox"/>	...	...	...	...	...

### Edit VPN User Settings

Editing the VPN user settings will terminate the current VPN connection between the VPN server and user. Inform the VPN user to connect to the server after applying the changes.

\* Required field

**VPN User Information**

Username: Frank

Email address:

Segment \*

**QuWAN QBelt VPN Server Settings**

Accessible Hubs \*

Enable multidevice connection

[Save](#) [Cancel](#)

也可以在權限設定頁裡管理  
QVPN QBelt使用者



# QuWAN QVPN通知信

由QuWAN雲端直接發出使用者通知信

[QuWAN Orchestrator] VPN Management Notification 收件匣 x



QNAP QuWAN Orchestrator <quwan-noreply@qnap.com>

寄給 我 ▾



**Hello Frank,**

QuWAN (QNAP SD-WAN) has invited you to join QuWAN Network as QVPN Client. Please install QVPN Client on your personal device at [QNAP QVPN Utilities](#), or [QNAP QVPN mobile](#). Enjoy a safe remote connection everywhere you go.

Adamtest's Organization ID:

**5fa9fbe**

User Name:

**Frank**

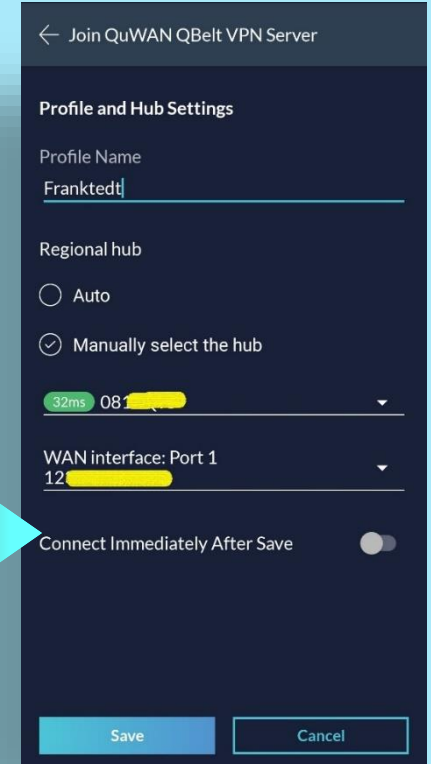
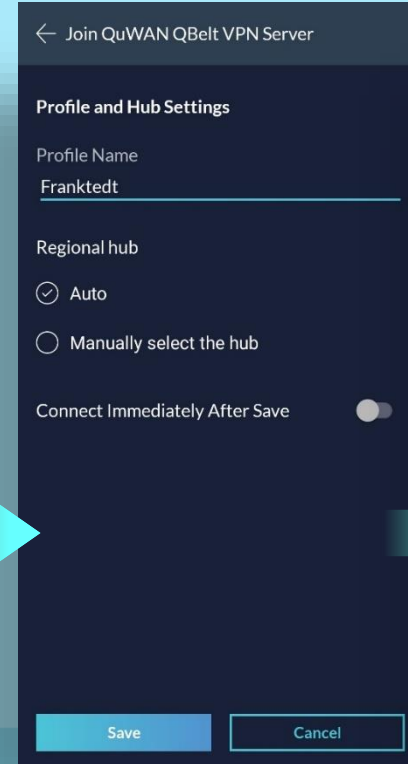
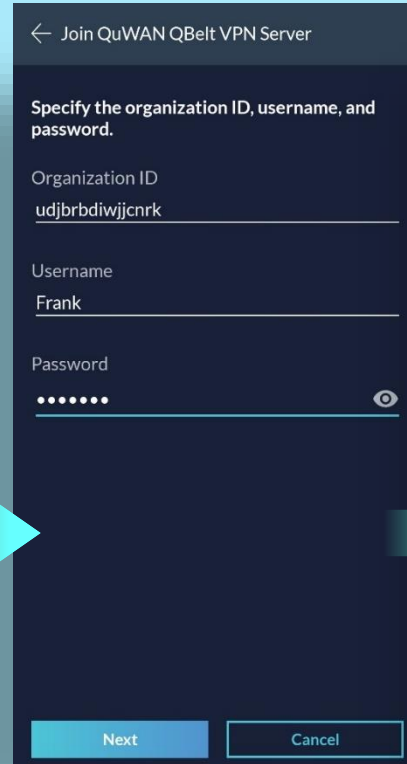
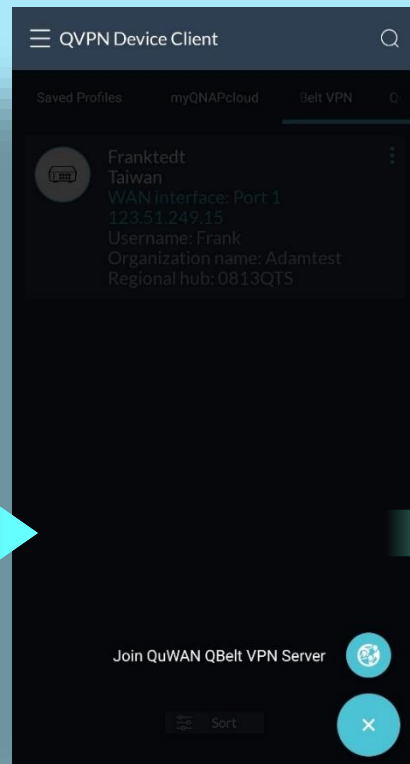
Password:

**DL**



# 在QVPN client上設定QuWAN QBelt

將通知信上的登入資訊貼到QVPN client建立QBelt連線







# QuWAN上管理QBelt使用者

在雲端直接瀏覽QBelt連線狀況

Current VPN Connection

Connected to Franktedt

My Device Franktedt

MAP Apps

東海 浙江 江西 福建 台北市 台灣 高雄 廣東 香港 Hong Kong

Google

Host/IP

Time Connected 00:00:04

Disconnect

## VPN Server Settings / Online VPN Users

Disconnect Selected: 0

Search

<input type="checkbox"/>	Login Date	Login time	Username	VPN User Device Name	Region	Hub	Source IP	VPN User IP	Action
<input type="checkbox"/>	2021/09/13	13:47:35	adam	My phone	My global region	test	1.2.3.4	198.18.6.2	
<input type="checkbox"/>	2021/09/13	13:58:01	Frank	My PC	My global region	Test01	2.6.7.8	198.18.6.5	

### Disconnect VPN Users

Are you sure you want to disconnect the selected VPN users?

**Total VPN users: 1**

1. Frank

Apply Cancel

QNAP

# QuWAN 2.3

## 是您最好的選擇！

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