QNAP

What's new for QuWAN 2.1

Optimize multi-site SD-WAN and remotely deploy VPN on mobile devices with QuWAN and QVPN

Agenda

- What’s new for QuWAN 2.1
- Key feature introduction:
  - QVPN server on QuWAN
  - Hub capable
  - Duplicated IP detect
- Other features

What’s new for QuWAN 2.1

Enhancement in QuWAN 2.1

- QVPN server on QuWAN
  - Server setting, choose the Hub device in the org for QVPN server
  - Privilege, create/managed account and sending login information to user
  - Online user monitor, checking the QBelt user login information
  - Quick start for introducing QVPN server
- Hub capable
  - Private IP can be Hub role
  - Including NAT check function
- Duplicate IP detect
  - Notice user for wrong/duplicate IP address
- Can setup segment for source IP in firewall rule
- Assign Service Class for QoS default rule
- Reporting time period enhancement
  - Page change will not change time period setting
  - Default report display time period change to 1 week

Enhancement in QuWAN 2.1(con’t)

- QuWAN/device service port management(QNE/QTS/vRouter only)
- UX enhancement
  - Change the color of icon on the map makes more clear
  - Device connection health display
- Log message enhancement
  - VPN server user friendly wording for VPN connection status
  - VPN server format changing for user account/password changing log

Key feature introduction: QVPN server on QuWAN

QuWAN is the most platform flexible SD-WAN solution

QNAP NAS storage

QNAP QGD smart switch

QNAP QHora high speed router

QuWAN

Not Router only!

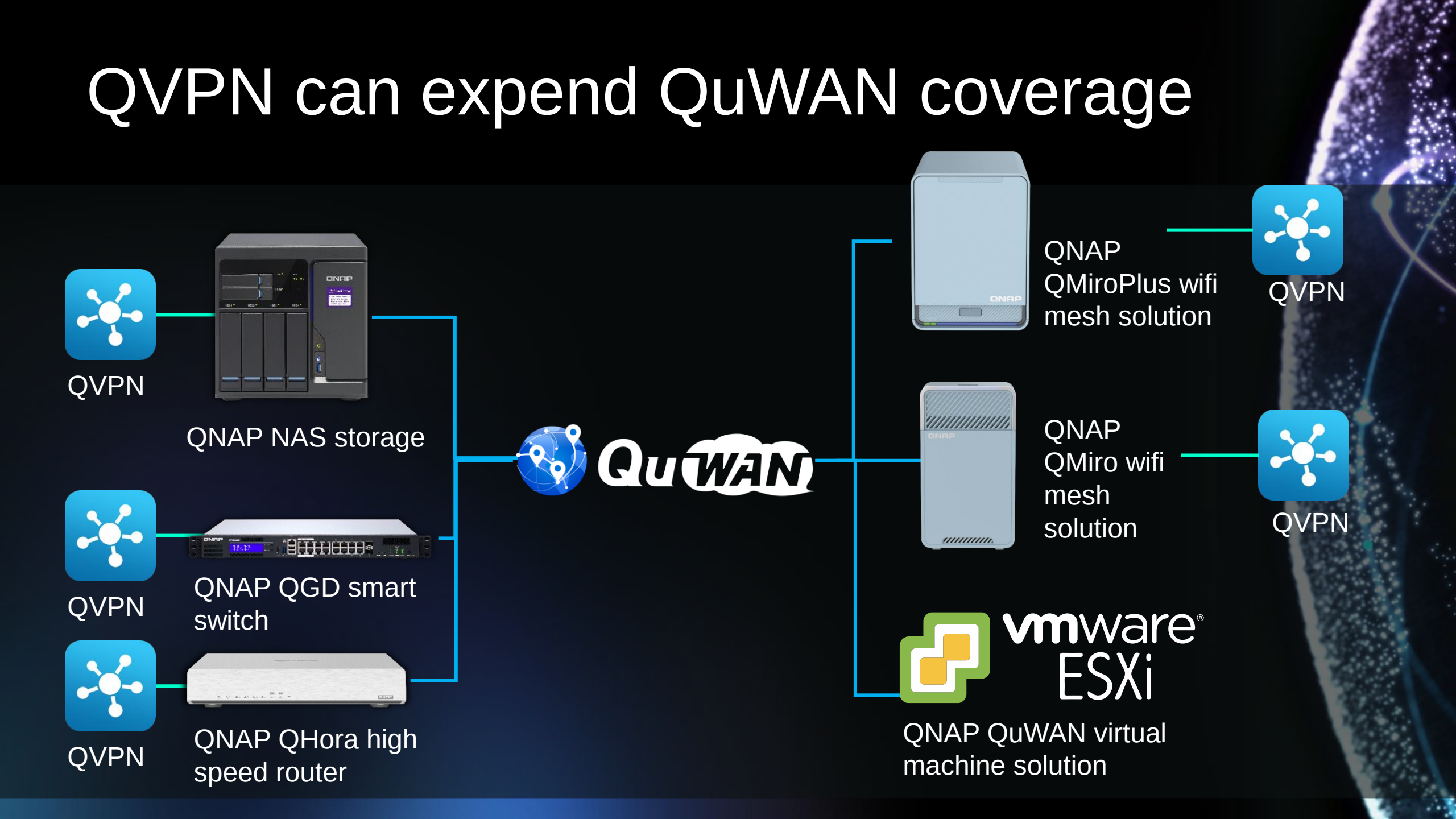
QNAP QMiroPlus wifi mesh solution

QNAP QMiro wifi mesh solution

vmware ESXi

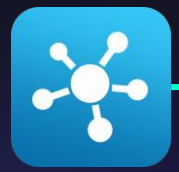
QNAP QuWAN virtual machine solution

QVPN can expend QuWAN coverage



For QTS you need setup QBelt by yourselves under QuWAN deployment

QVPN



Enter server IP
Service port
PSK
.
.
.

Install QVPN service
Find the IP address
Setup firewall/NAT on QuWAN
Setup for client
Check the routing
.
.
.

What if need multiple QTS with VPN connections?

I need to setup multiple connections for back up

QVPN

QuWAN

Adding server A config…
Adding server B config…
Adding server C config…

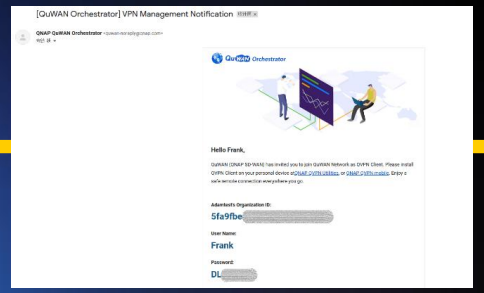
We can make QuWAN + QVPN more flexible now, help mobile device setup QBelt from cloud

Great! I don’t need setup a lot and don’t need to decide which server I have to connect.

QVPN

QuWAN

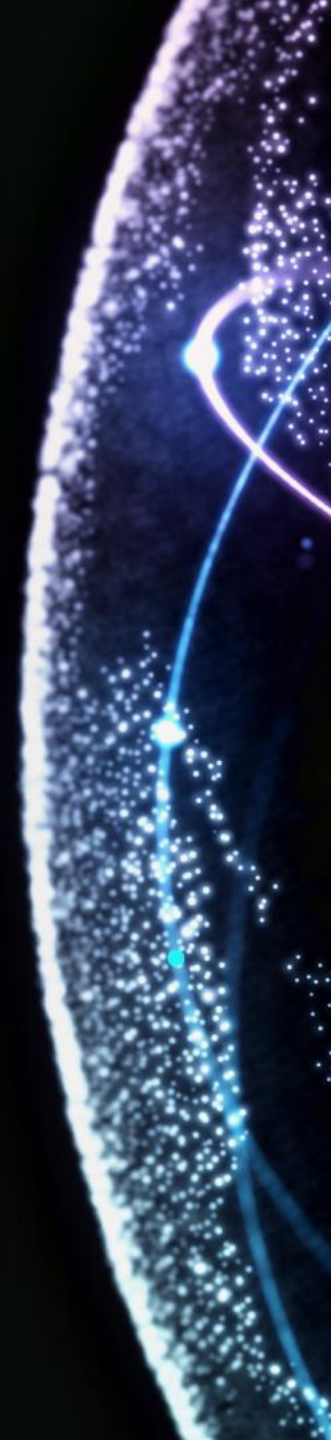
Hey, use this config



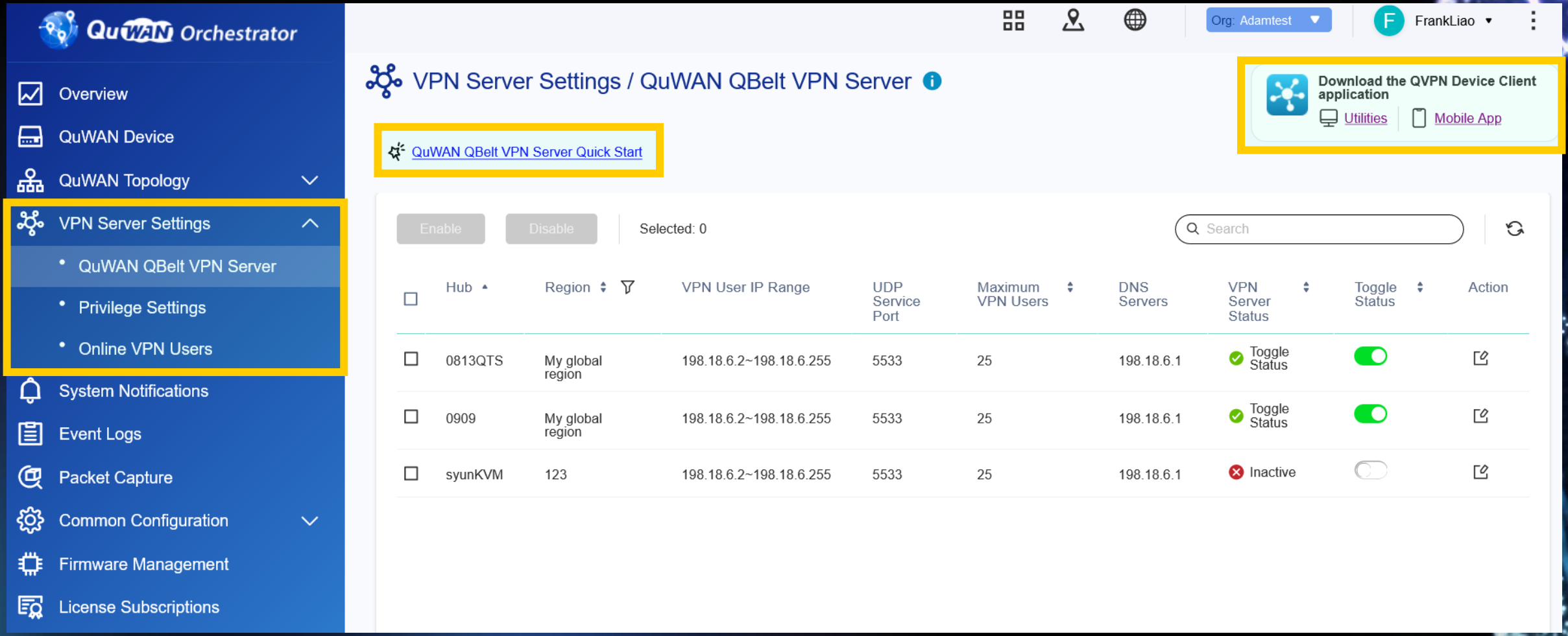
The advantage of QVPN server on QuWAN

- Can centralized user account management
- Can setup multiple QVPN server at the same time
- Can manage QVPN server at the same time
- Can monitor client's connection info on cloud directly
- User don’t need to remember a lot of IP address for server
- Auto health check to decide which server is suitable for QVPN client
- Keep manual options for user to choose which QVPN server they like to connected(on QVPN client)

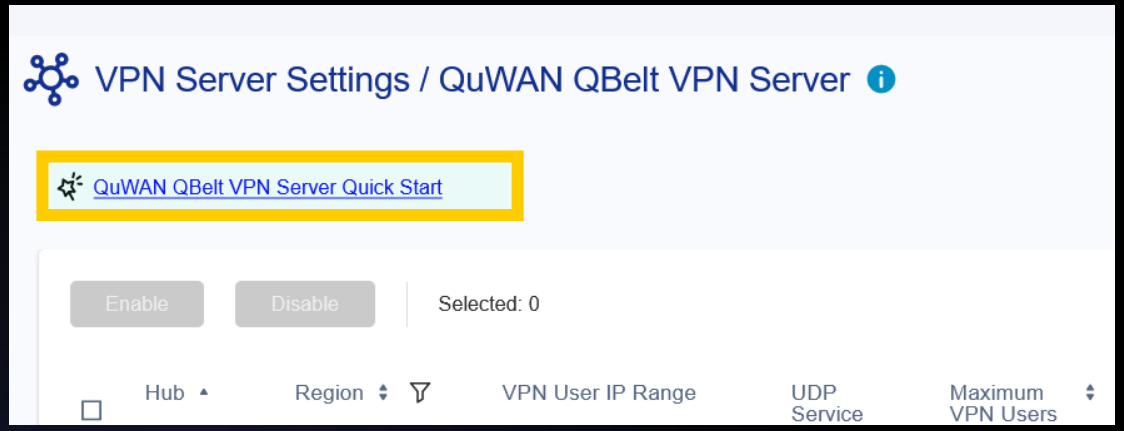
Notice:
QuWAN 2.1 QVPN server support on the QNE/QTS and QuWAN vRouter currently



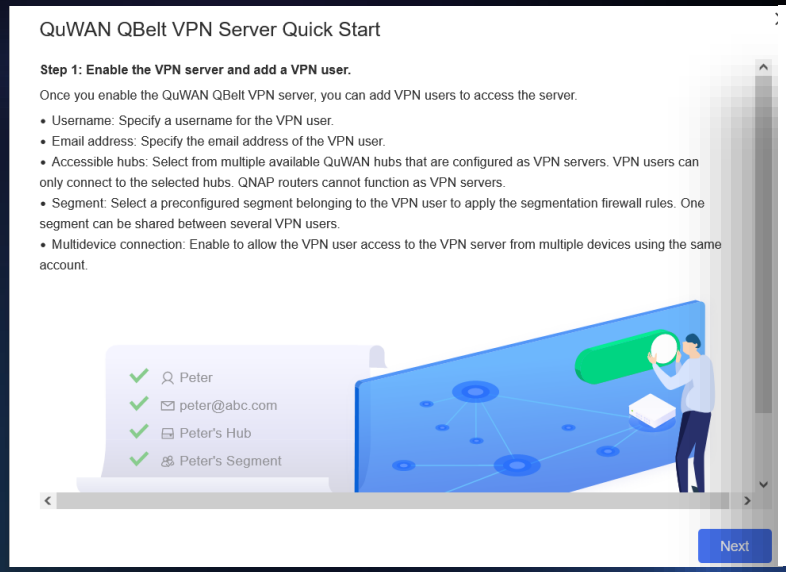
GUI introduction

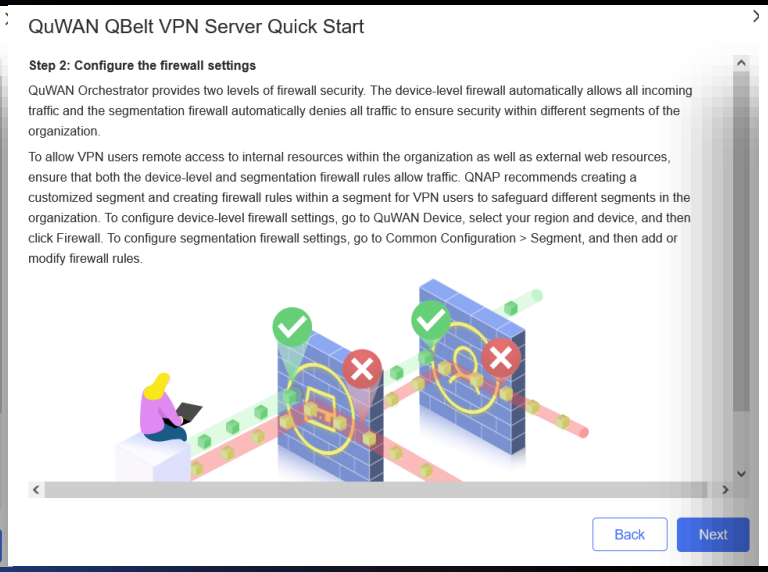


Quick start introduction for QuWAN QVPN



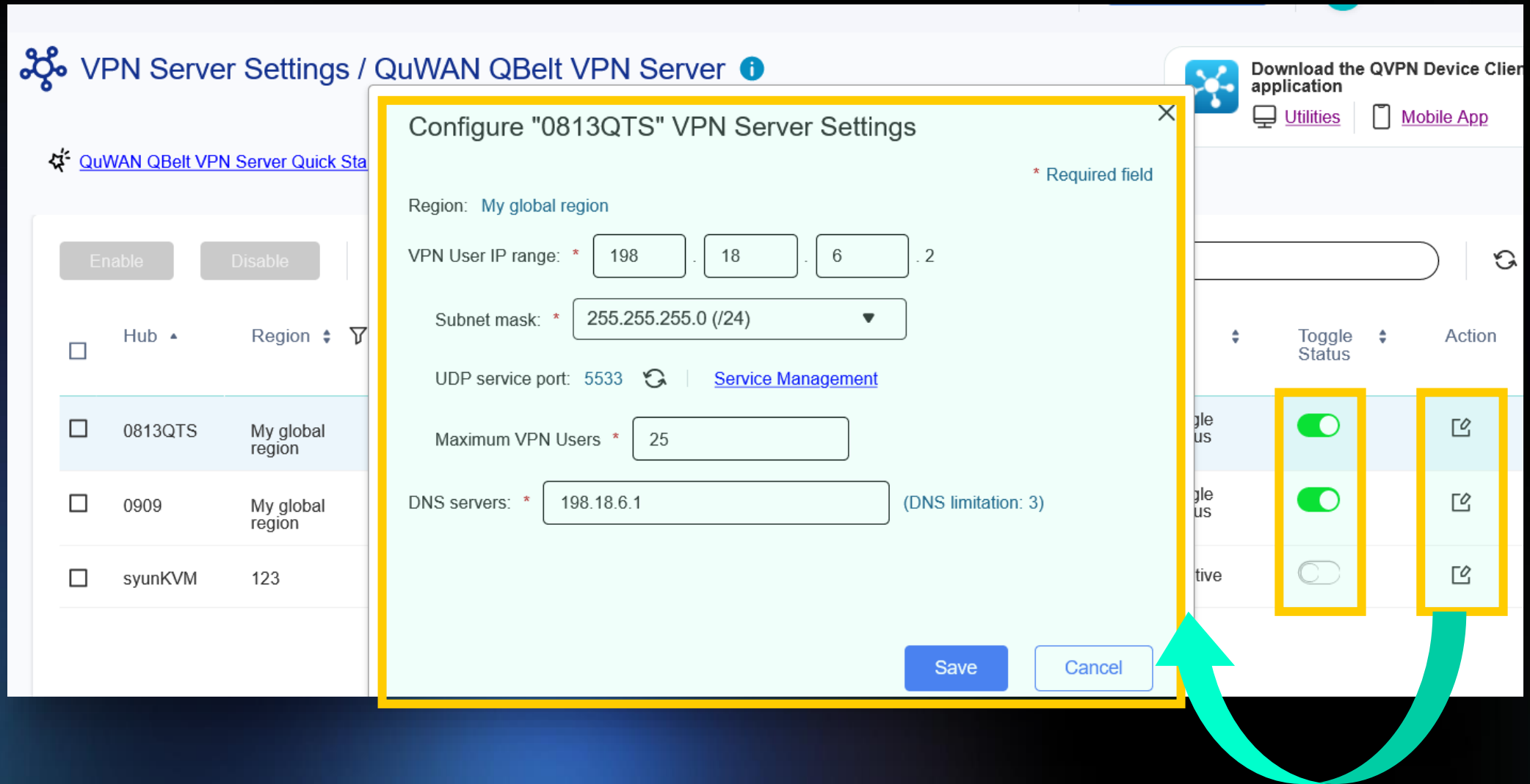
Guiding user to know how to setup the QVPN server on QuWAN





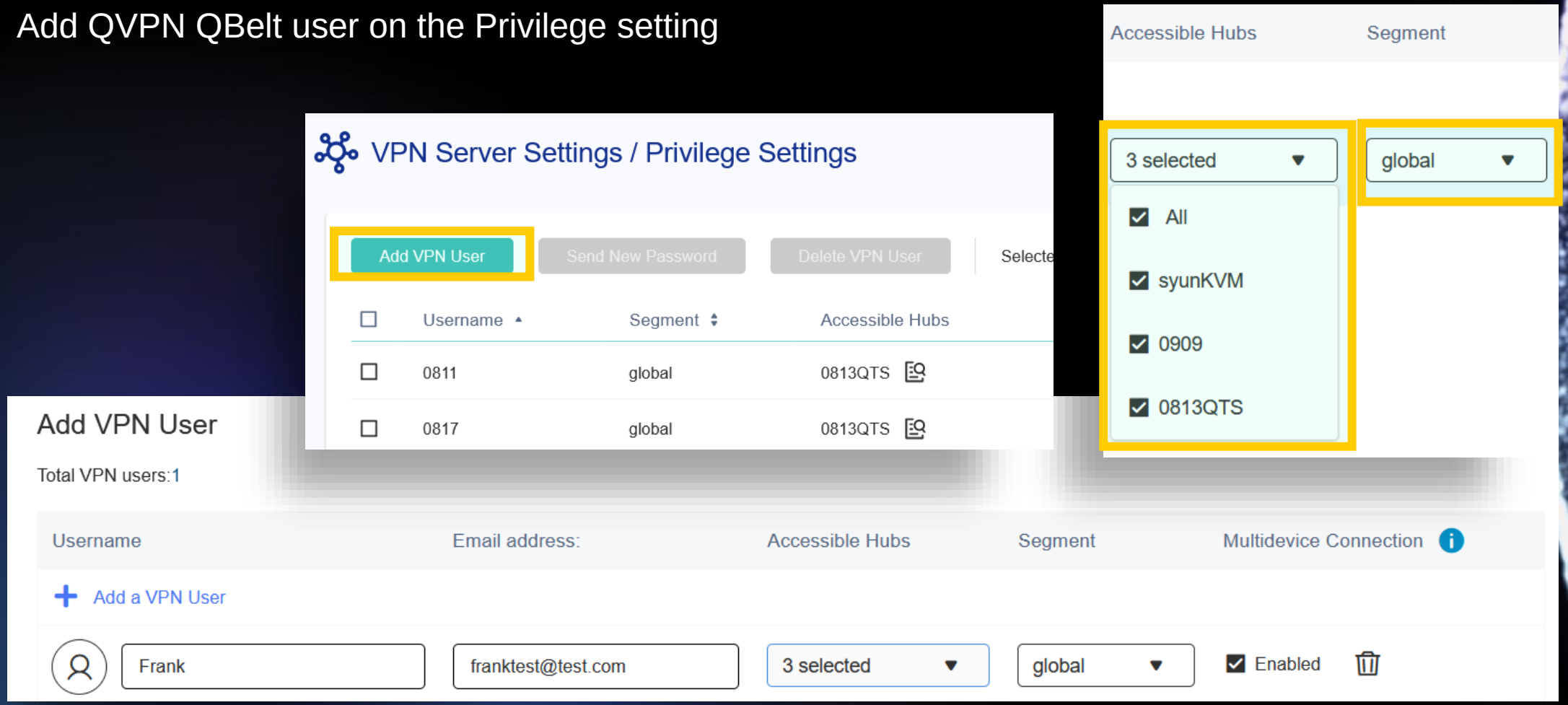
Setup QVPN server on QuWAN

Press Action for each QVPN server for editting the setting

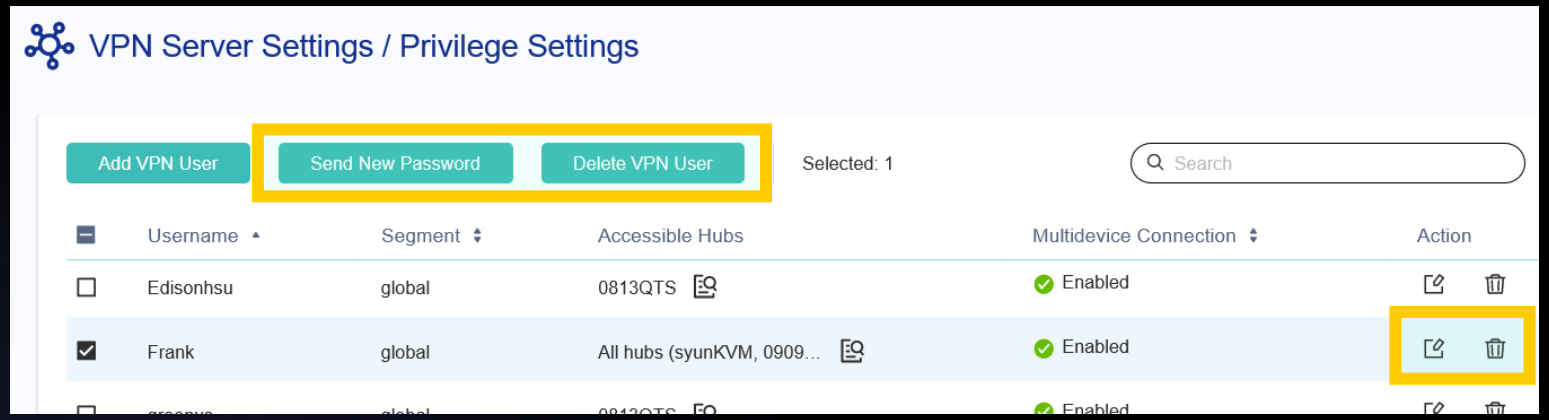


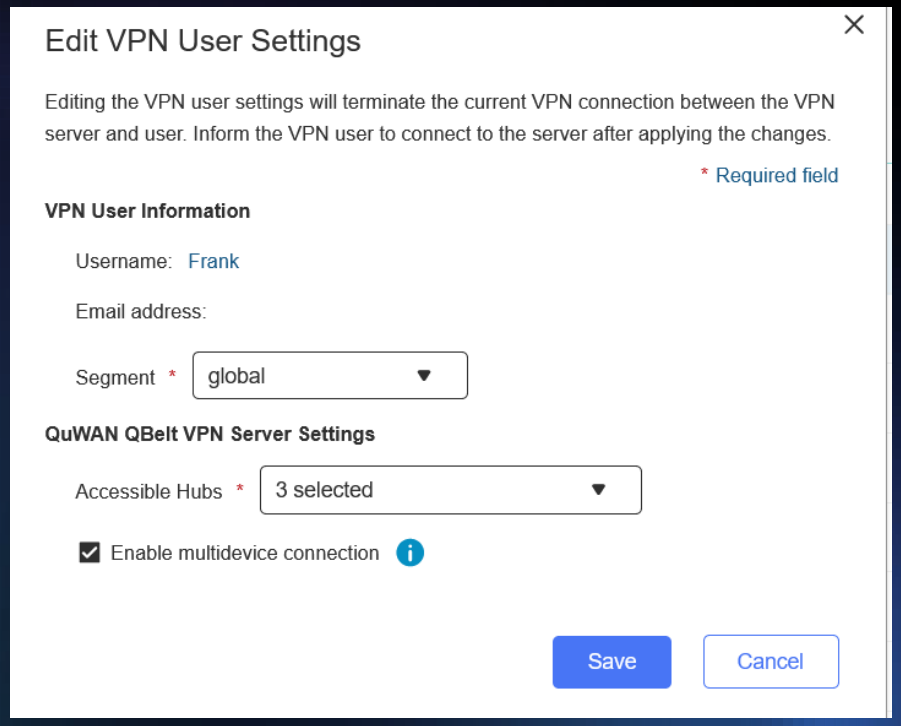
Create QVPN QBelt user on QuWAN

Add QVPN QBelt user on the Privilege setting



Managed QVPN QBelt client on QuWAN





Managed QVPN QBelt user on the Privilege setting

QuWAN QVPN notification mail

Send out the user notification mail from QuWAN directly

[QuWAN Orchestrator] VPN Management Notification 收件匣 ×

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

QuWAN Orchestrator

Hello Frank,

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

Adamtest's Organization ID:

5fa9fbe[redacted]

User Name:

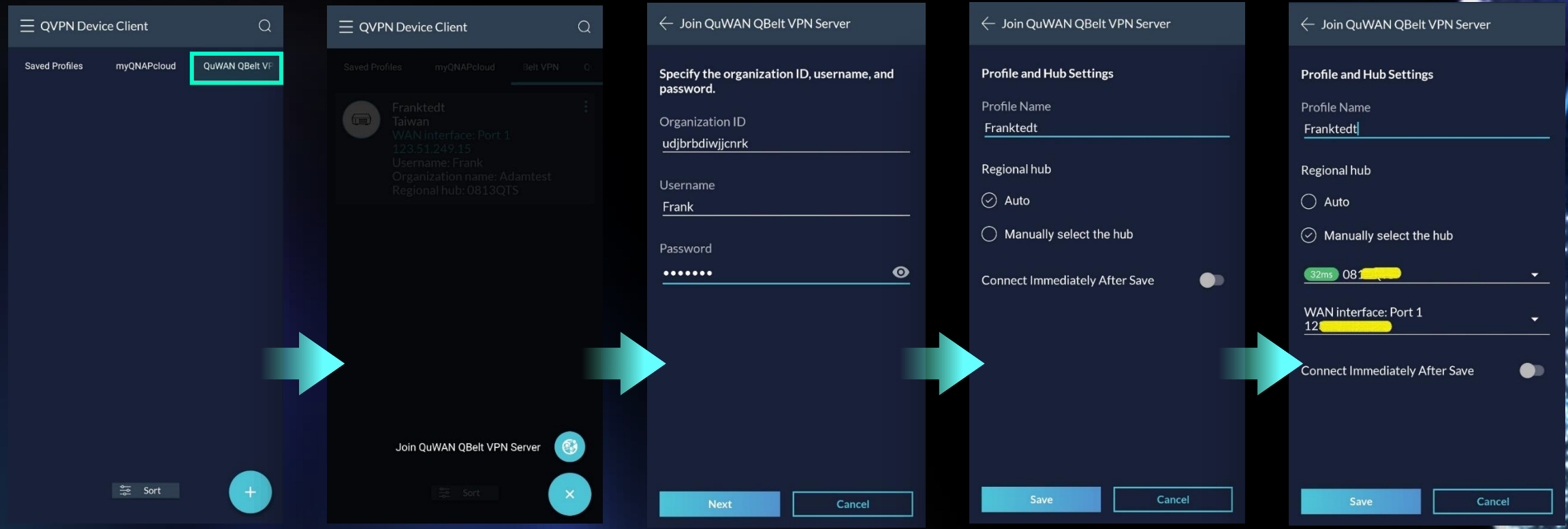
Frank

Password:

DL[redacted]

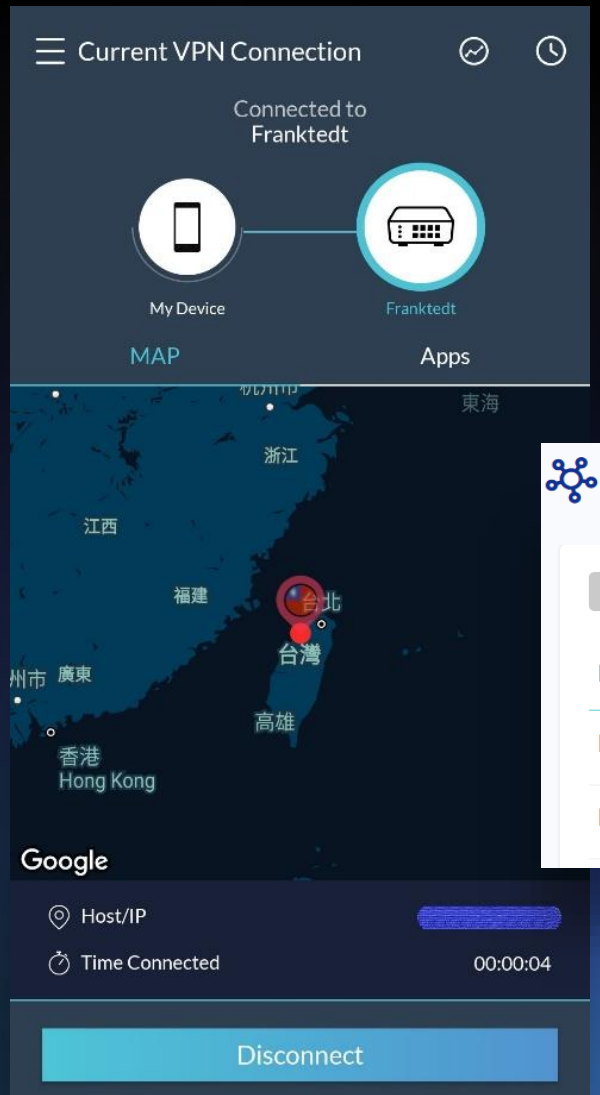
Setup QBelt for QuWAN on the QVPN client

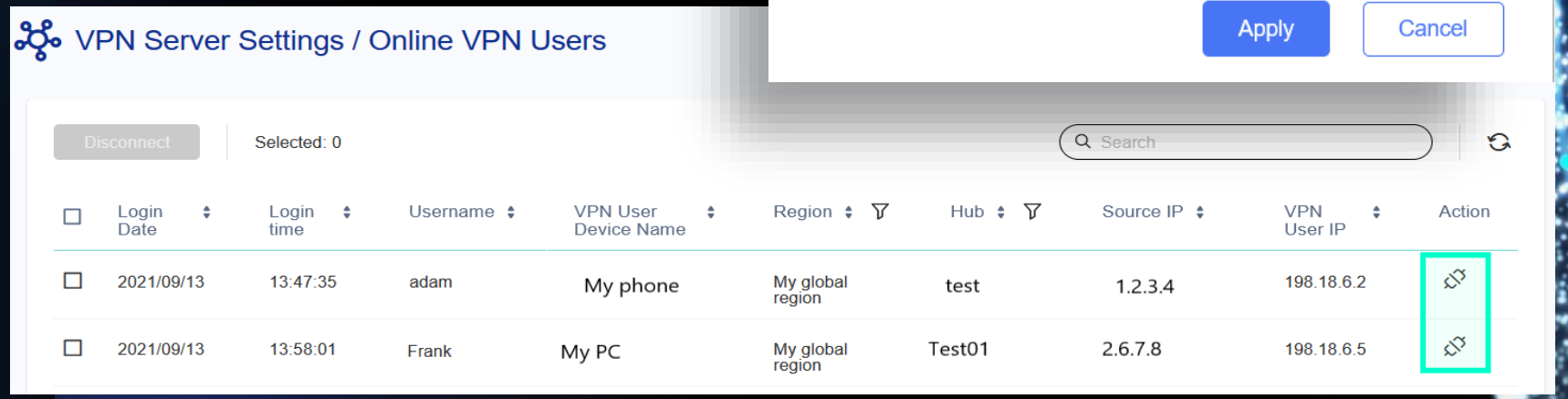
Copy and past the QBelt info on the notifcation email to QVPN client

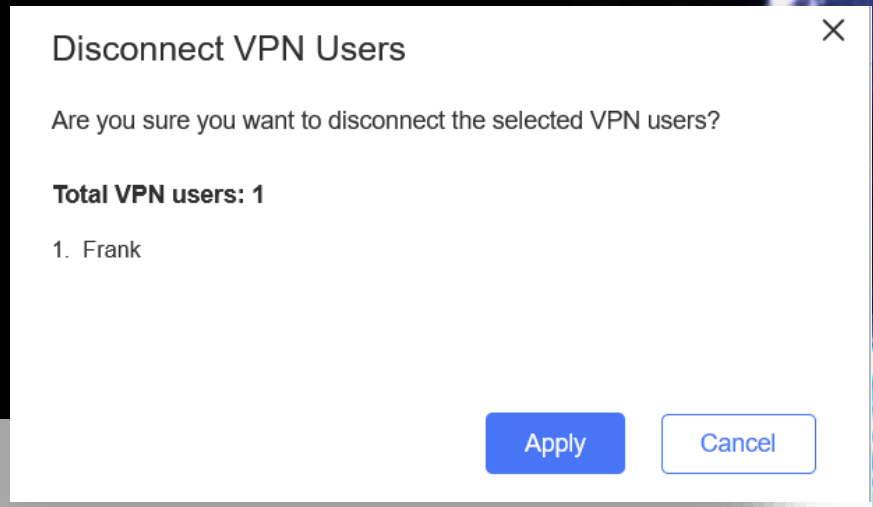


QBelt on QuWAN online user info

Check QBelt connection info on QuWAN



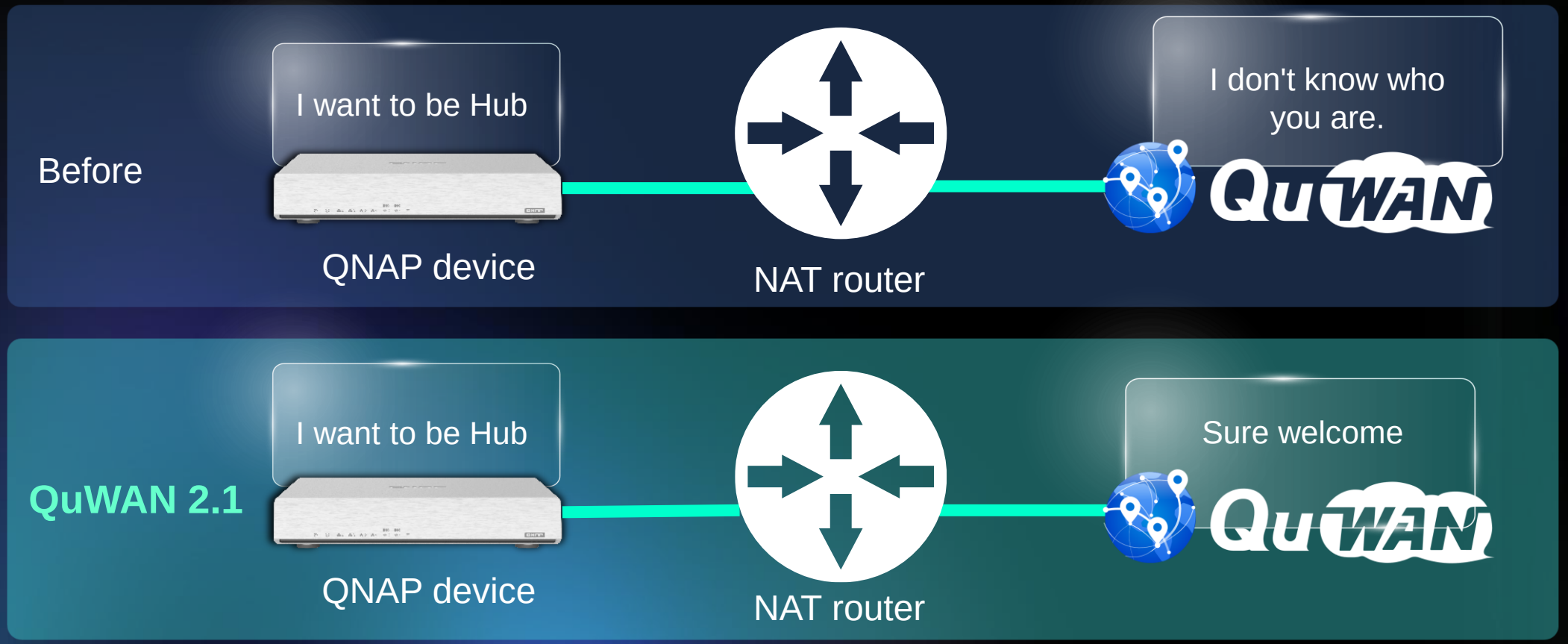




Key feature introduction: Hub capable

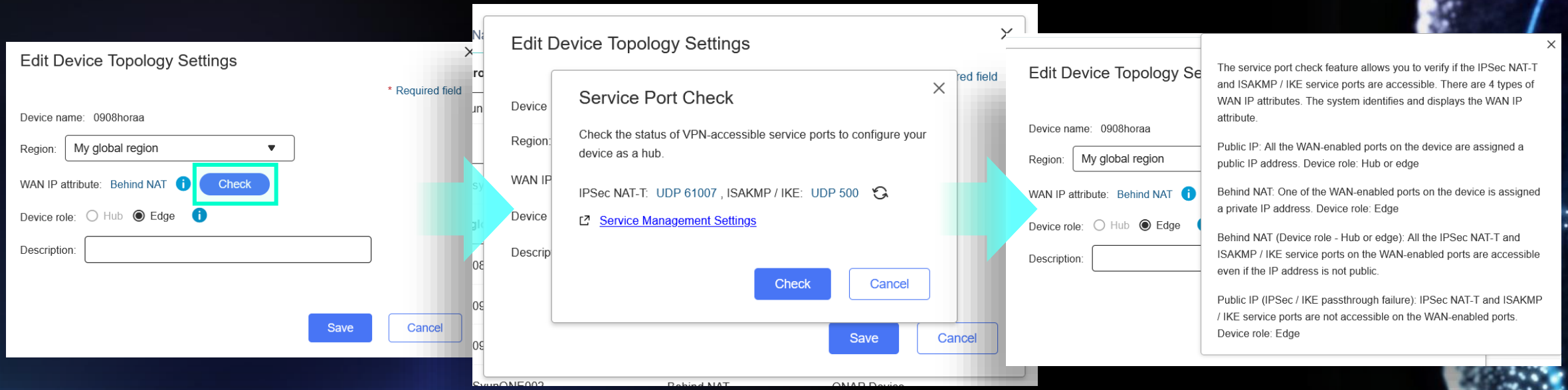
Why we need Hub capable?

Some devices can only be setup behind NAT. Before they can only be Edges but now they can be Hubs, to be additional nodes for Edges.



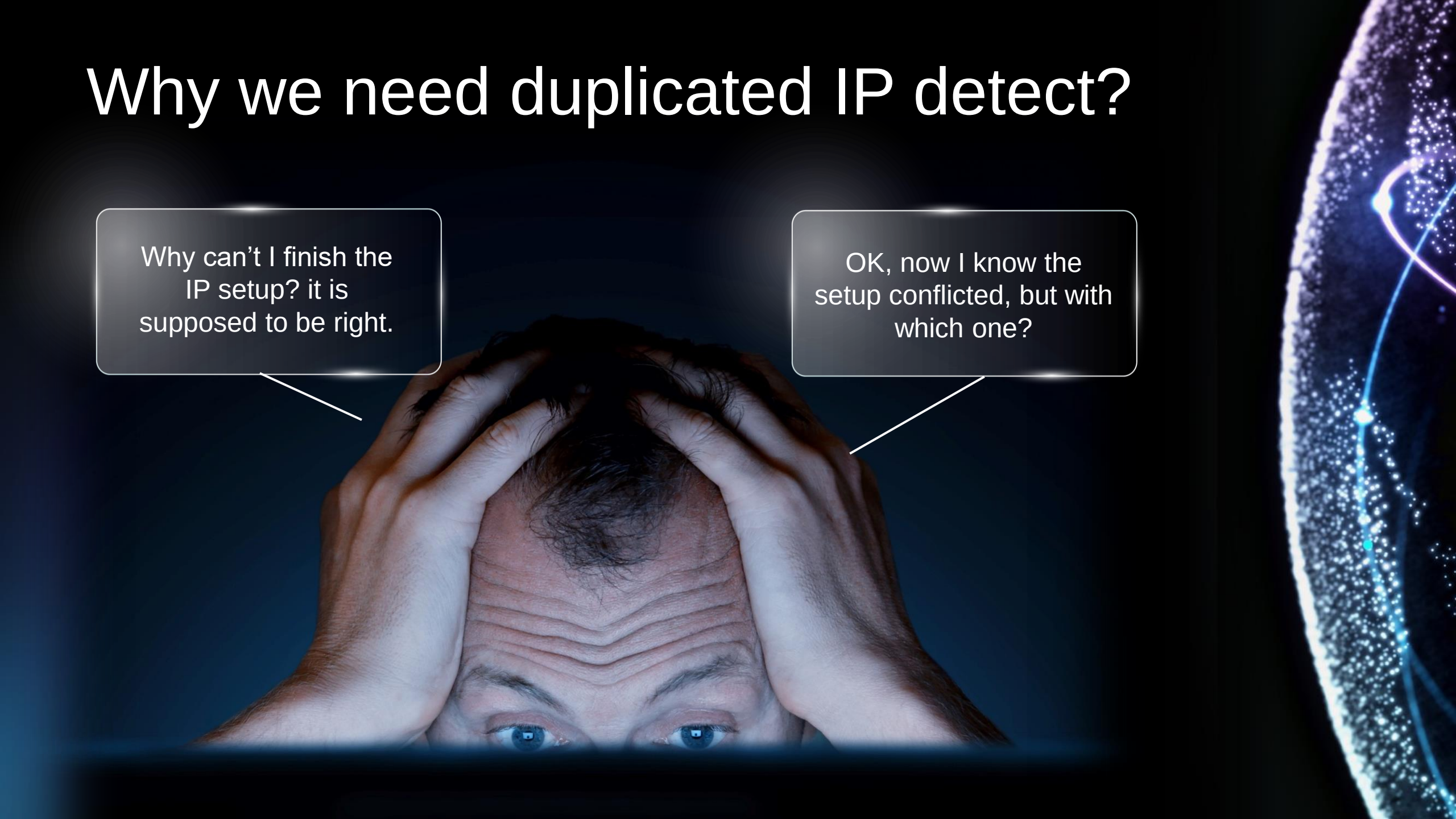
Note: NAT router need setup port forwarding rule for QuWAN service

Can change role from Edge to Hub on the QuWAN, also provided port forwarding check

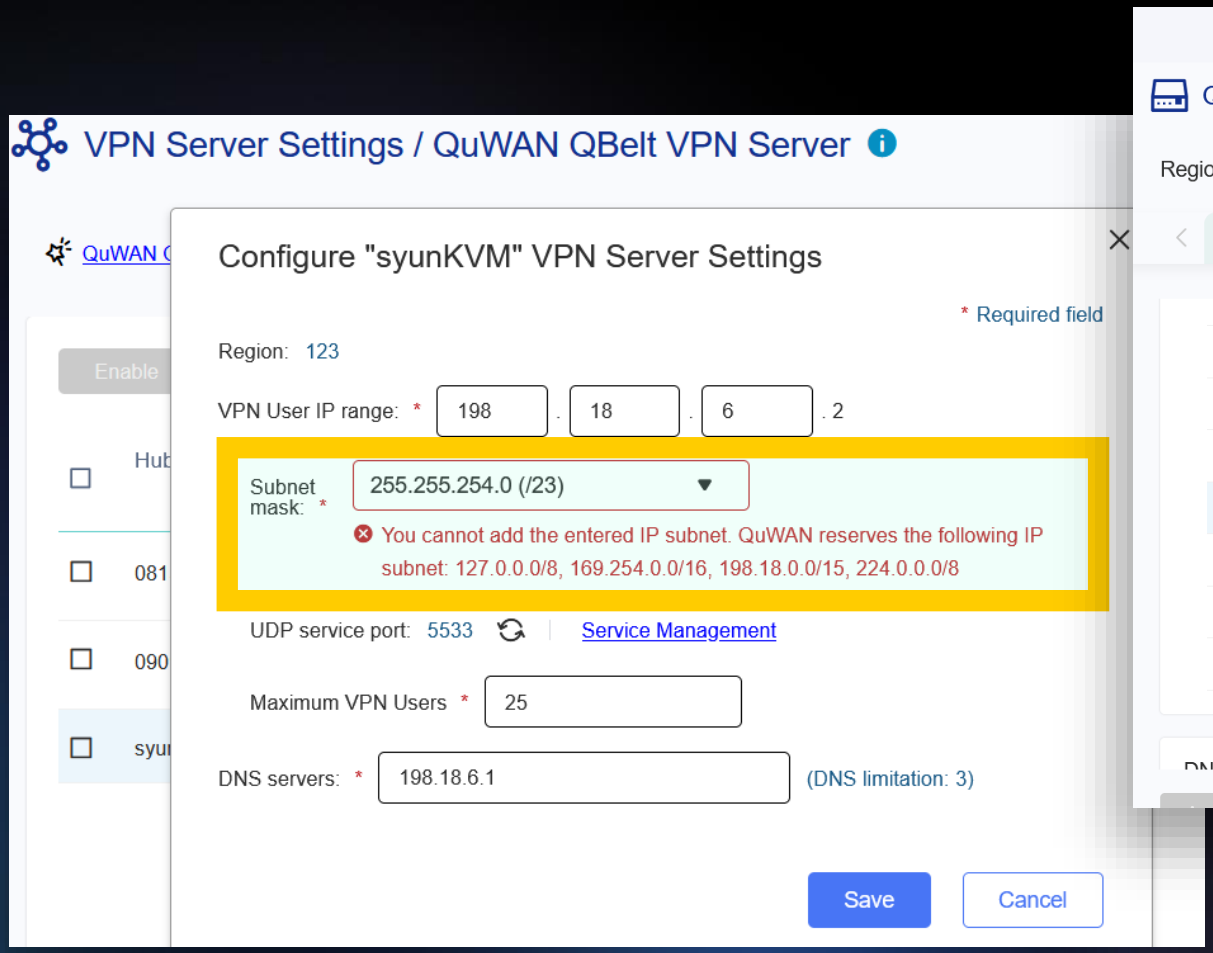


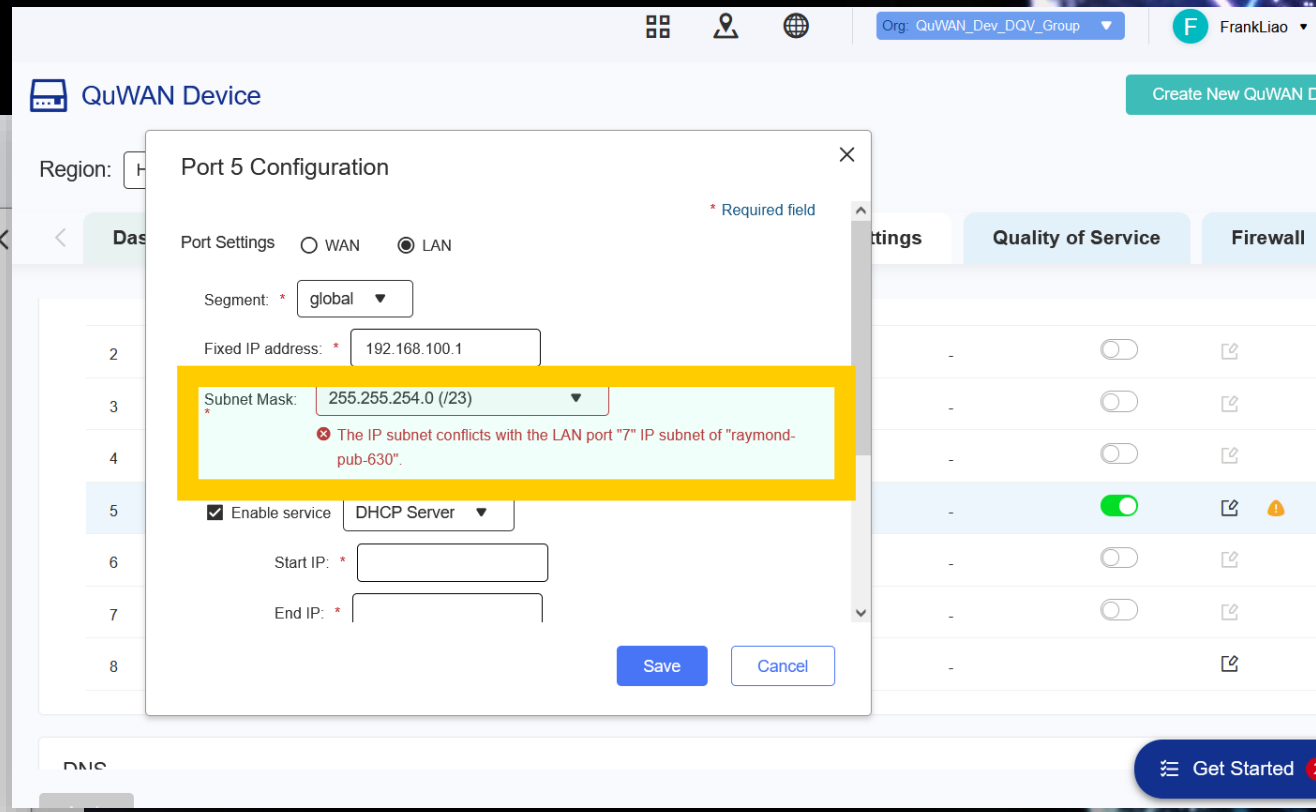
Key feature introduction: Duplicated IP detect

Why we need duplicated IP detect?



Show you the conflicted IP/device info for the setting



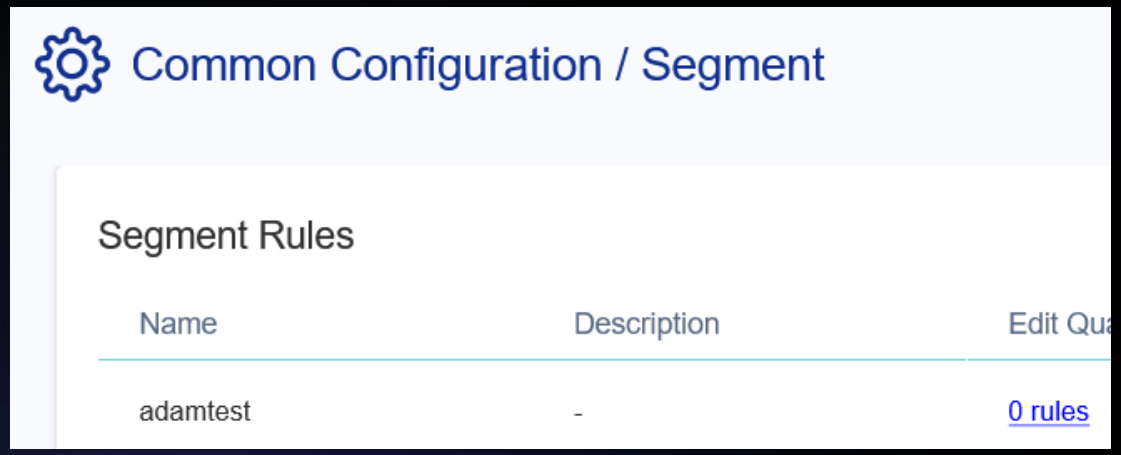


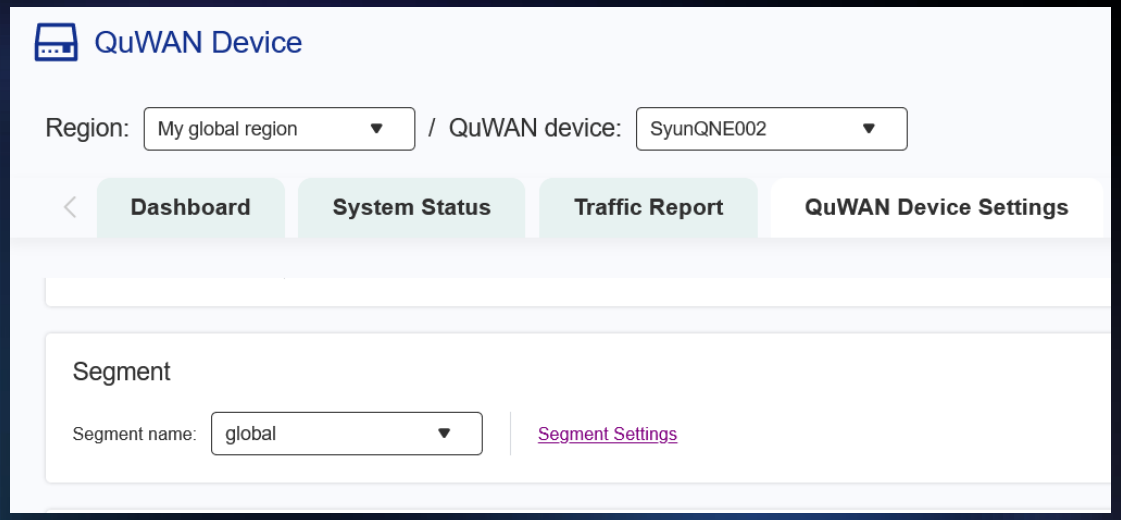
What QuWAN going to check

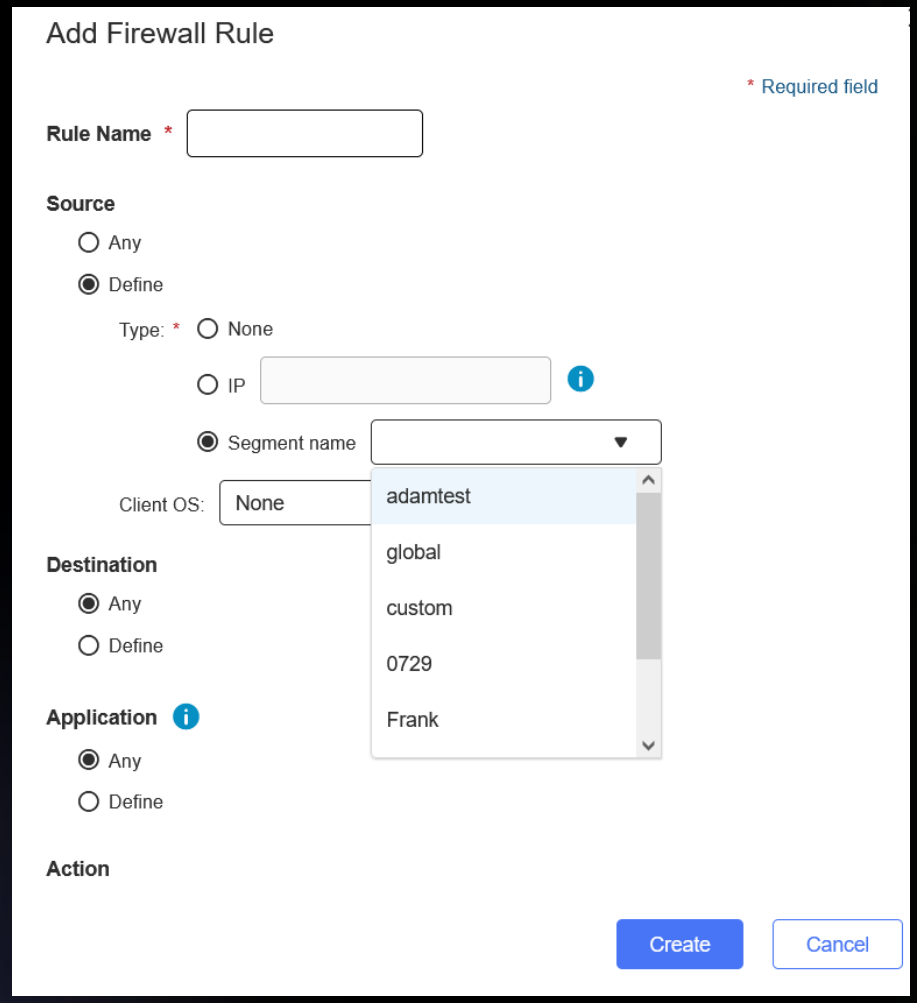
- WAN/LAN/VLAN interface
- VPN server
- Static route
- Reserved IP pool check
  - 127.0.0.0/8
  - 169.254.0.0/16

Other features

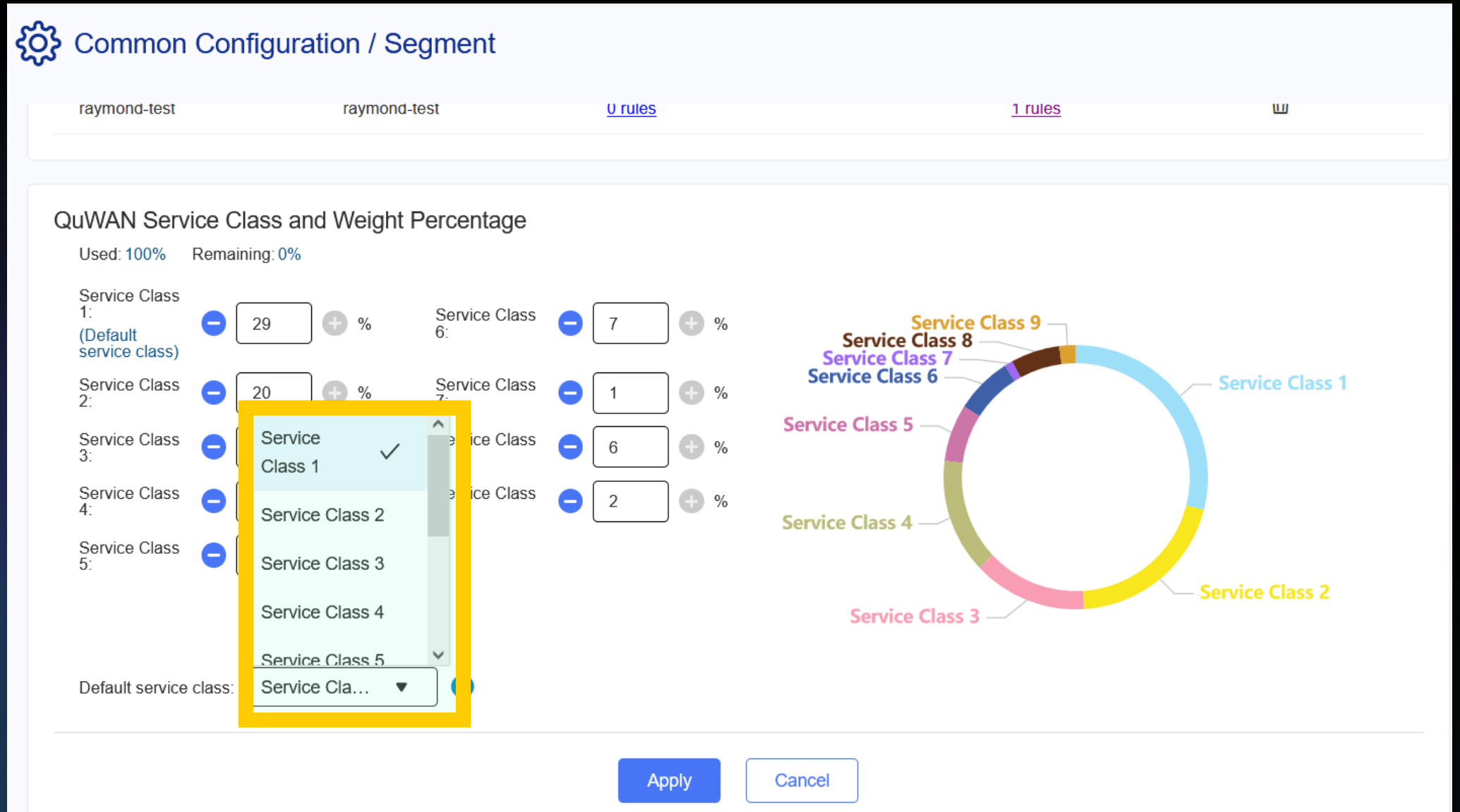
Can setup segment for source IP in firewall rule



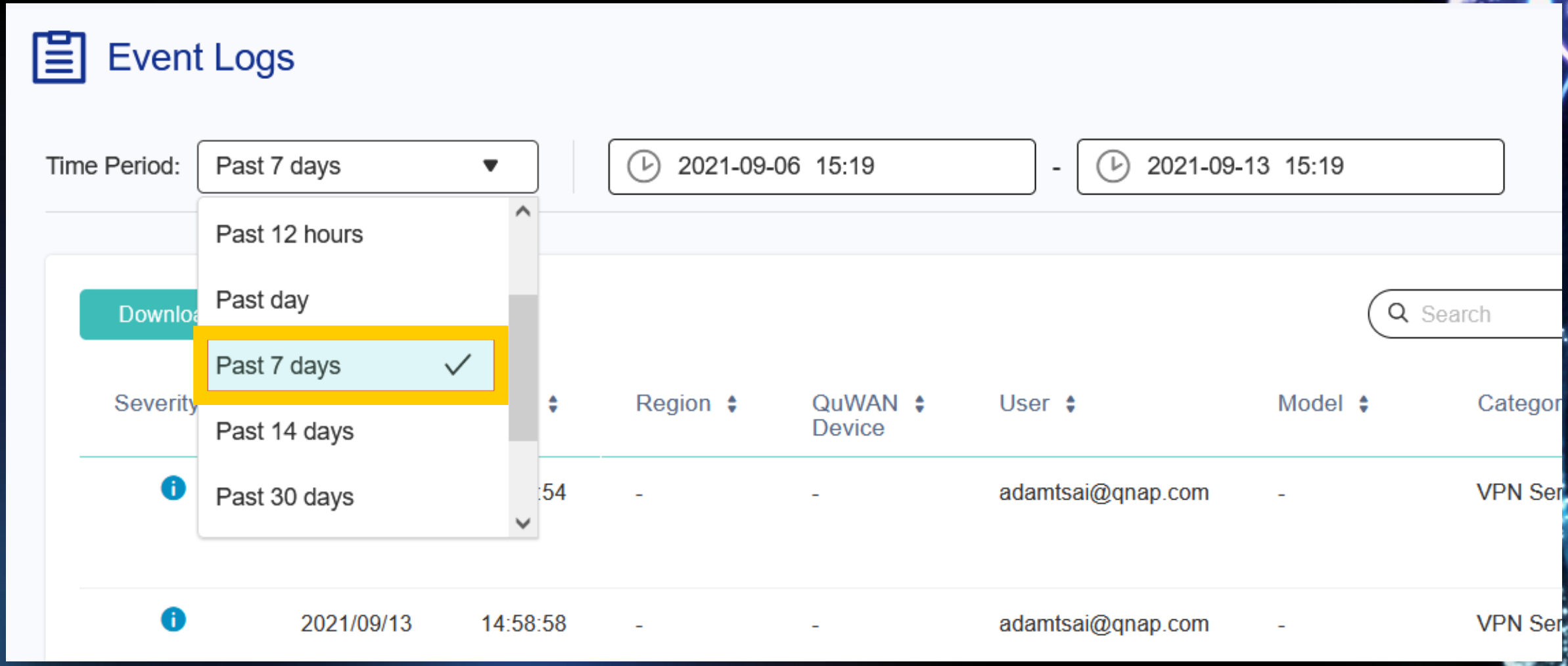




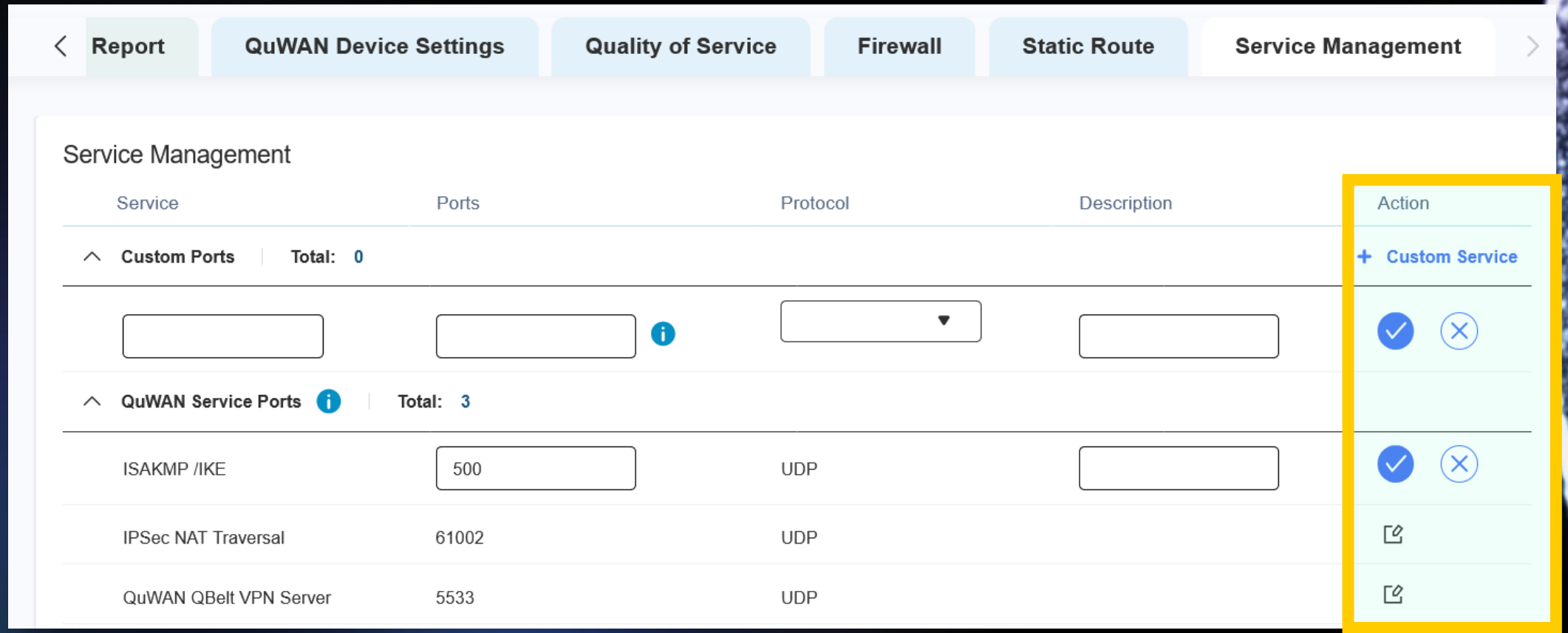
Assign Service Class for QoS default rule



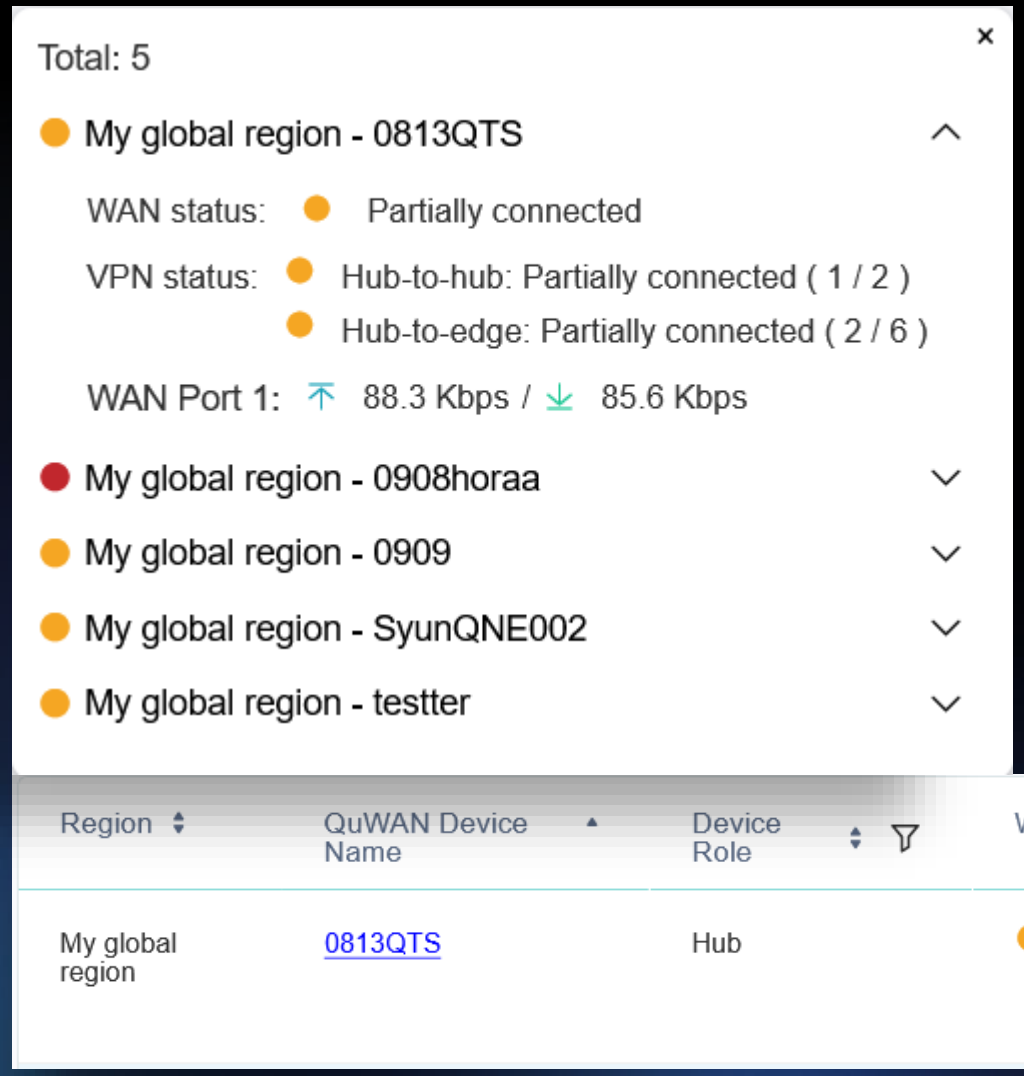
Reporting time period enhancement



QuWAN/device service port management (QNE, vRouter only)

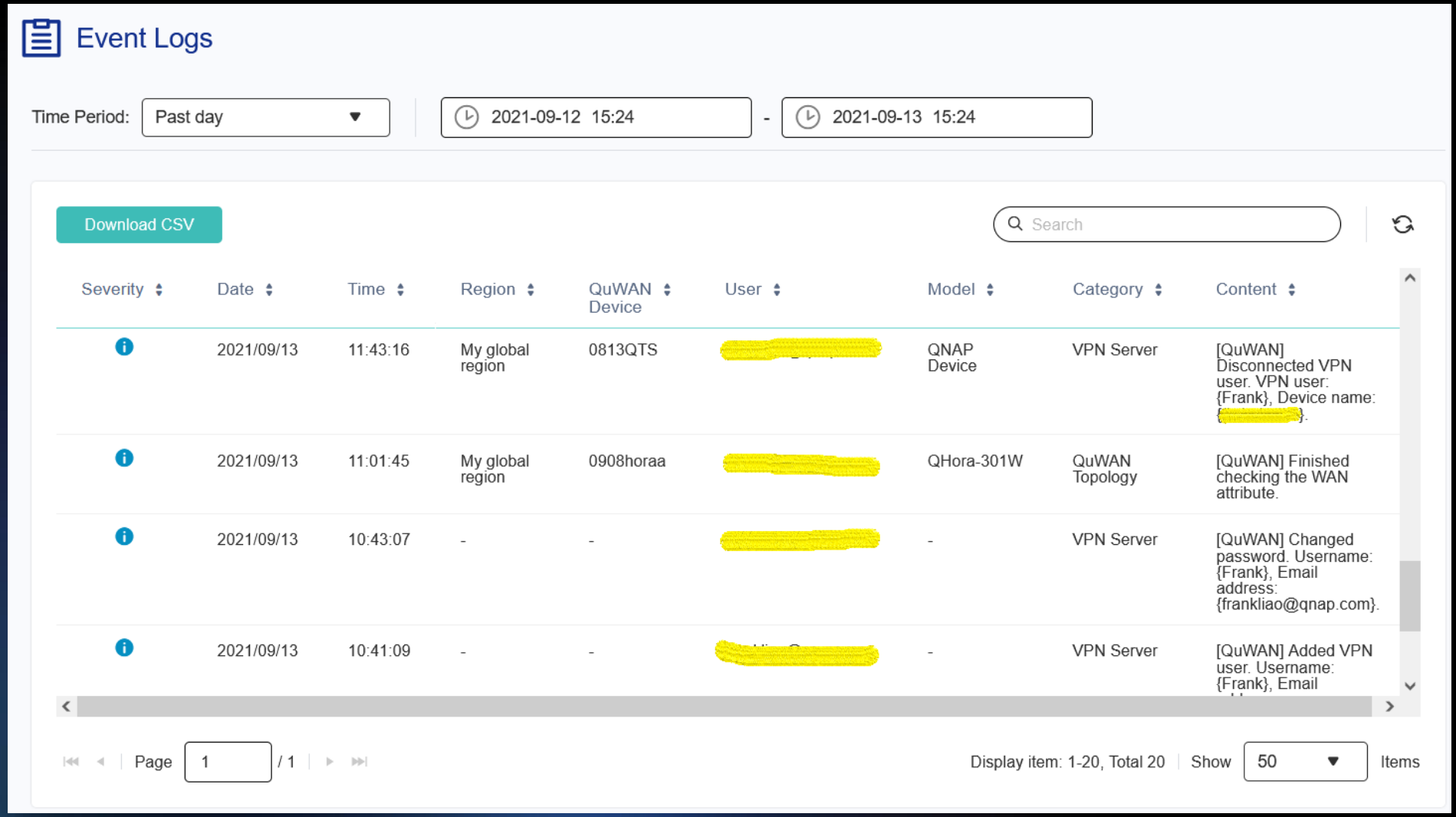


UX enhancement



Region	QuWAN Device Name	Device Role	WAN status	VPN status	QuWAN Device Status
My global region	0813QTS	Hub	Partially connected (1/2)	Hub-to-hub: Partially connected (1 / 2) Hub-to-edge: Partially connected (2 / 6)	Active

Log message enhancement



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QuWAN

is Your Best Choice!

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