

T4S

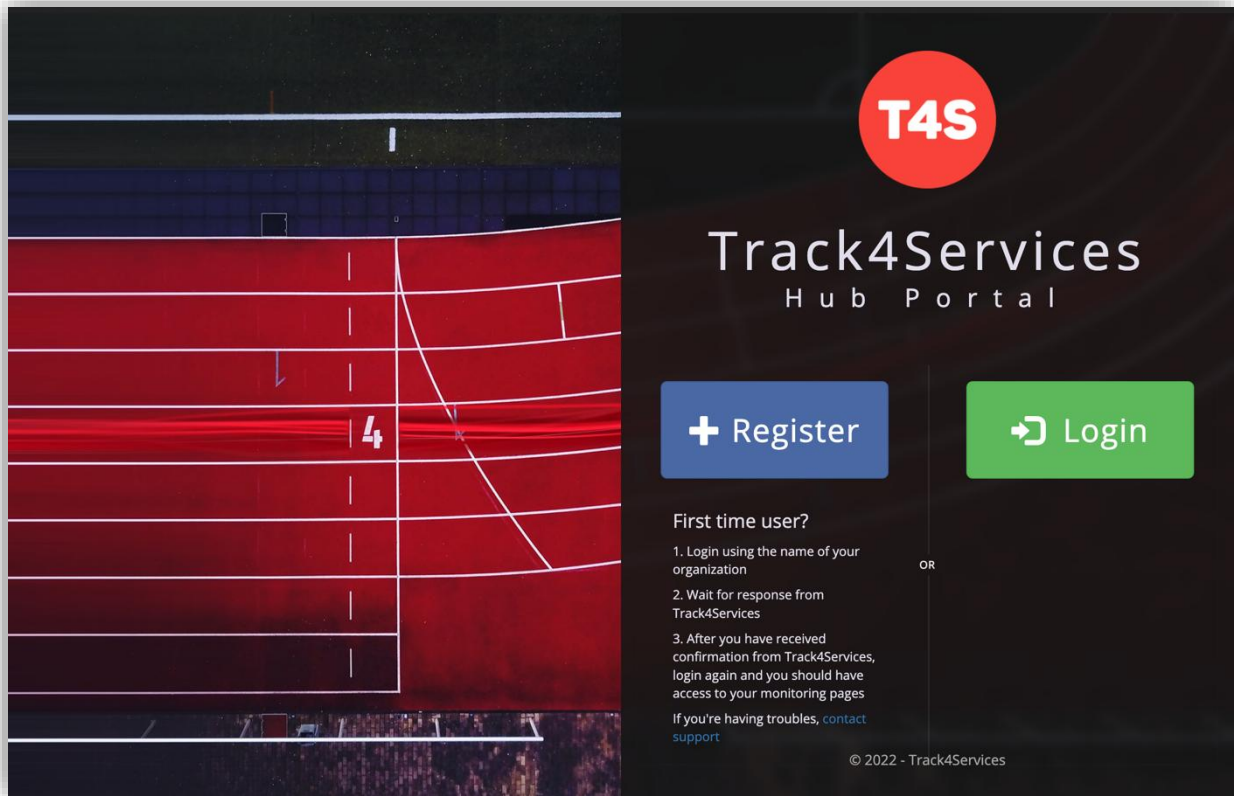


TRACK4SERVICES PORTAL USER GUIDE

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PORTAL INTRODUCTION



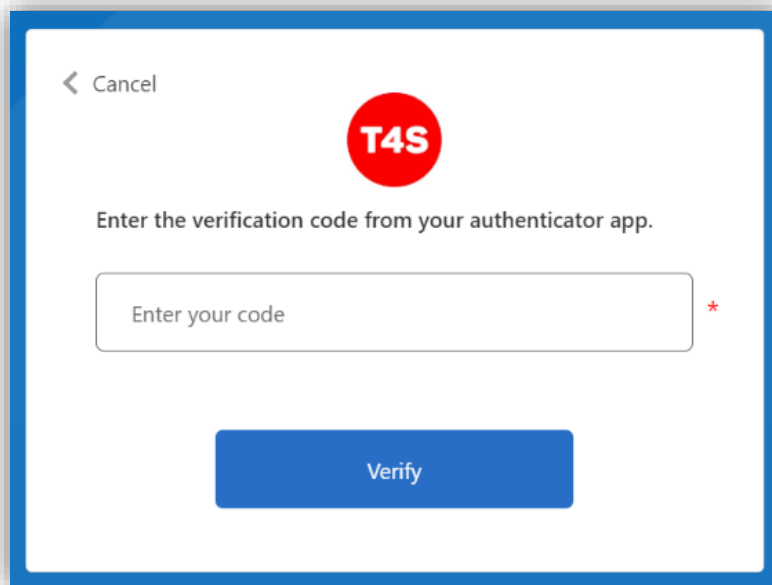
The T4S Portal gives you full visibility and control of all your Hubs. Among other things, our centralised management system allows you to:

- Conduct over-the-air diagnostics
- Change network settings
- Retrieve live GPS location data
- Monitor and restrict data usage

For individual Hubs or groups of hubs.

Register for the Portal by visiting **www.t4shub.com**.

MULTIFACTOR AUTHENTICATION



< Cancel

T4S

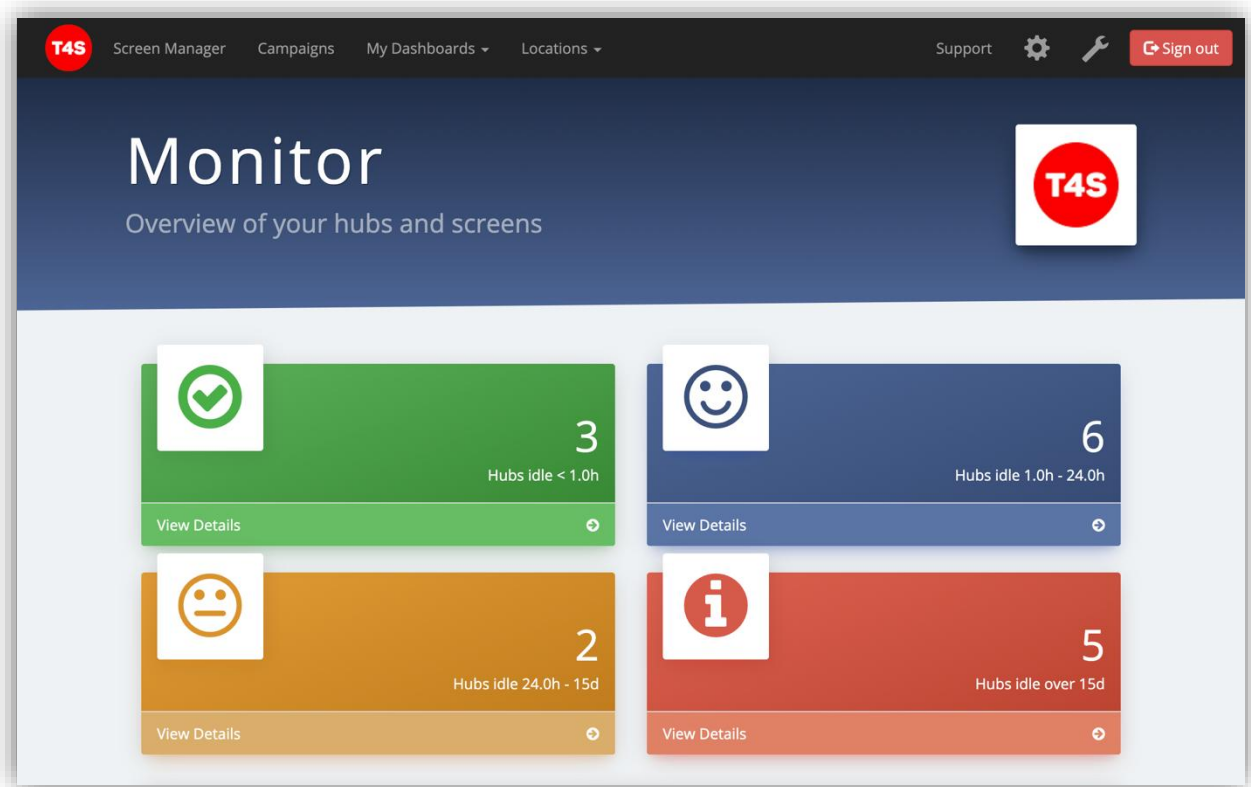
Enter the verification code from your authenticator app.

Enter your code *

Verify

- The Portal is secured with MFA (multifactor authentication). Download the Microsoft Authenticator app to your mobile device through your app store.
- In the app, add an account using the + sign in the top right corner, and choose "Other account".
- Scan your unique QR code that is being displayed on the Portal.
- The app will display a six-digit code which refreshes every 30 seconds, this is linked to a global clock, check the remaining time. Do not share this code with anyone, under any circumstances.
- Return to the portal and sign in, you will be prompted for this code.
- Insert the code displayed on the Microsoft Authenticator app and press 'verify'.

HOME PAGE



The home page displays a clear overview of all your Hubs.

At the top of the page, Hubs are grouped into four coloured boxes based on their idle times for quick, online visibility. You can adjust idle times to suit your needs within the 'Client Management' tool.

At the bottom of the homepage, you can find a convenient database of all your Hubs.

Group Hubs by installation status or organise by category such as Hub type or idle time.

Add and name custom category columns to suit your needs.

Easily search and filter using the search bar and filter function.

Information here can also be downloaded onto a CSV file.

Hubs in Installed group: 22

Select Group: Installed

Download CSV

Idle time: Minutes Min - Max Reset filters

Show 10 entries Search:

Hub	Hub Type	Location/Reg	Idle Since	Idle time
111374	EMU	4G Demo EMU	2025-09-17 12:04:17	0min
510091	Hub	AG 5G	2025-09-17 12:04:15	0min
510083	Hub	5G Ultra Derek's Office	2025-09-17 12:03:51	0min
510006	Hub	5G Ultra London Office	2025-09-17 12:03:31	1min
210523	Hub	N&P	2025-09-17 12:03:30	1min
210684	Hub	Newbury CEC	2025-09-17 12:03:24	1min
111326	Vehicle	Dereks Car	2025-09-17 11:21:57	42min
111275	Vehicle	LG23 GGB	2025-09-17 09:54:22	2h
110667	Vehicle	U.S. Demo	2025-09-16 22:17:02	13h
110581	Vehicle	MM66 GDO	2025-09-16 19:13:42	16h

HUB DETAILS

To view details of an individual Hub, select a serial number from the first column on the home page. Depending on your assigned permissions, you will be able to see certain options at the top of the page in the blue bar.

The screenshot shows the 'Hub 510006' details page. At the top, there is a blue header bar with the hub name and a green status indicator. Below the header is a navigation bar with icons for Inspect, Deinstall, Edit, Location, Quotas, Diagnostics, Sessions, Reboot, Update, and SSH. The main content area is divided into three sections: Hub Details, Quota Info, and Connection Info.

Hub Details	
Client	T4S DEMO
Serial	510006
Mac Address	c4:4b:d1:a0:6f:33
Hub Type	Hub
Initialization Status	Initialized (09/17/2025 08:11:37)
System Group	Installed
Custom Groups	
Location/Reg	5G Ultra London Office
Header 2	
Header 3	
Static Location	Lat: Lon:
Resolution	Width: px Height: px

Quota Info	
Limit	1000 GB per MAC
Period	1 day(s)

Connection Info	
ICCID	89441000304157958659
CTN	07840897820
Online Status	●
Last Connection	2025-09-17 11:59:34 No GPS 5G NSA Modem 100% Wan 0%

Admins can edit information, run diagnostics, and conduct over the air reboots and updates.


When updating a Hubs OS/Software Version ensure the Hub stays powered on or you may run the risk of breaking the Hub. You can see a Hubs version within diagnostics.

OFFLINE ALERTS

Alerts can be sent via email to inform users that a Hub is offline. These alerts are activated after 5 minutes of the Hub being offline.

If the Hub is still offline, there are further alerts every hour for the first 24hrs, then once a day.

Simply add the email address and tick to enable. Users can be disabled or deleted too.

Offline Alerts		
<input type="text" value="adam@t4s.com"/>	<input checked="" type="checkbox"/> Enabled	
<input type="text" value="d@t4s.com"/>	<input checked="" type="checkbox"/> Enabled	

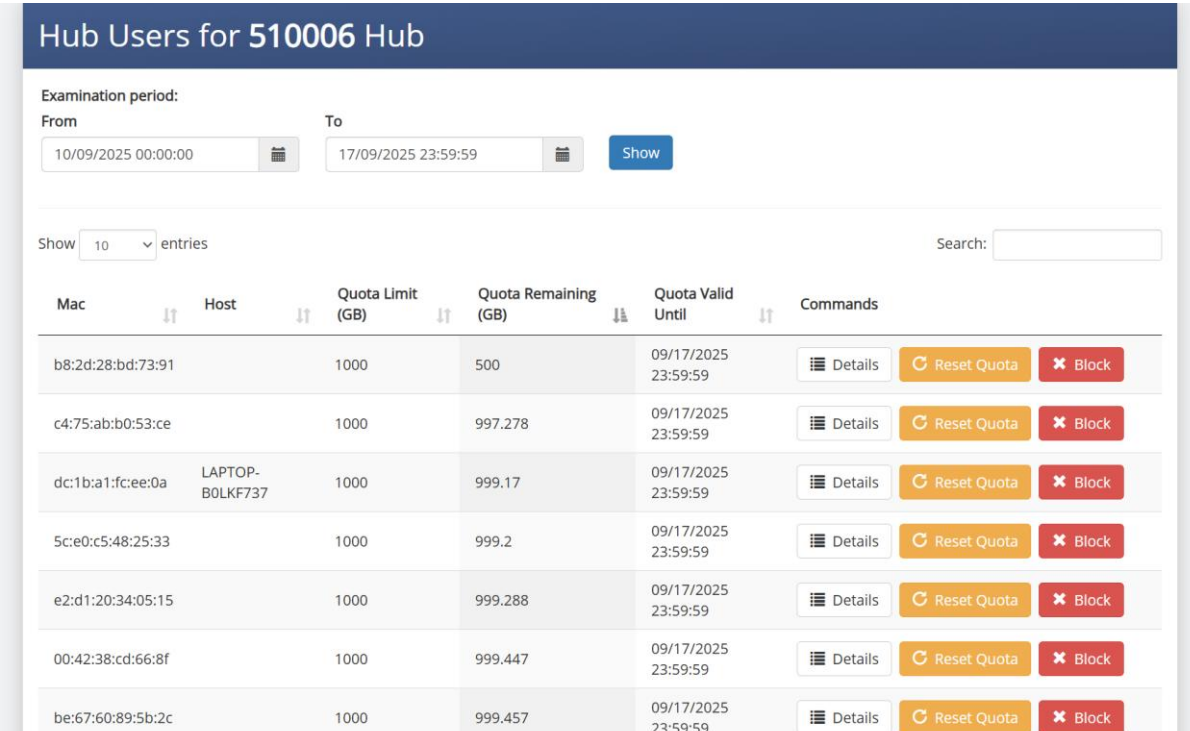
This is an automatic message from OfflineHubsChecker-webjob.

Hub [510101](#) has been offline since **29.09.2025 14:02:29 UTC**.

USER DATA USAGE

You can view a user's data allowance by selecting 'Quotas' within an individual Hub page.

Depending on the data limit and duration set, it will display how much data is remaining per MAC. If the duration is set for 1 day, the allowance will reset at midnight. If the limit is reached, that MAC will be blocked until the duration has renewed. This can be reset by pressing the 'Reset Quota' button.



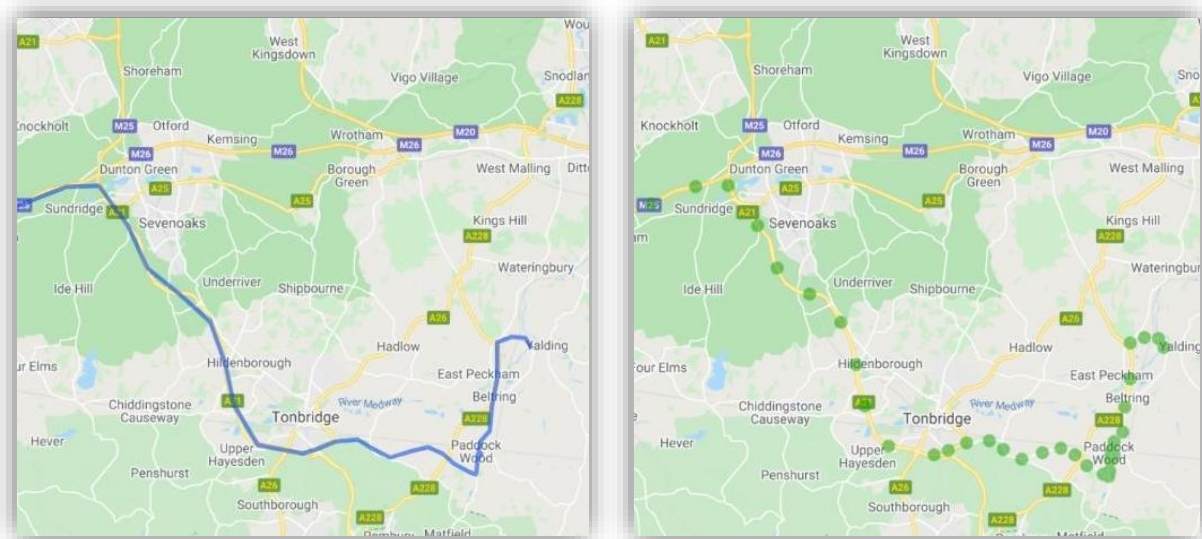
The screenshot displays the 'Hub Users for 510006 Hub' interface. It includes an 'Examination period' section with 'From' and 'To' date pickers (10/09/2025 00:00:00 and 17/09/2025 23:59:59) and a 'Show' button. Below this is a 'Show 10 entries' dropdown and a search box. The main table lists users with their MAC addresses, hostnames, quota limits, remaining quotas, and valid until dates. Each row has 'Details', 'Reset Quota', and 'Block' buttons.

Mac	Host	Quota Limit (GB)	Quota Remaining (GB)	Quota Valid Until	Commands
b8:2d:28:bd:73:91		1000	500	09/17/2025 23:59:59	Details, Reset Quota, Block
c4:75:ab:b0:53:ce		1000	997.278	09/17/2025 23:59:59	Details, Reset Quota, Block
dc:1b:a1:fc:ee:0a	LAPTOP-B0LKF737	1000	999.17	09/17/2025 23:59:59	Details, Reset Quota, Block
5c:e0:c5:48:25:33		1000	999.2	09/17/2025 23:59:59	Details, Reset Quota, Block
e2:d1:20:34:05:15		1000	999.288	09/17/2025 23:59:59	Details, Reset Quota, Block
00:42:38:cd:66:8f		1000	999.447	09/17/2025 23:59:59	Details, Reset Quota, Block
be:67:60:89:5b:2c		1000	999.457	09/17/2025 23:59:59	Details, Reset Quota, Block

You can also block heavy or unauthorized users by pressing the 'Block' button.

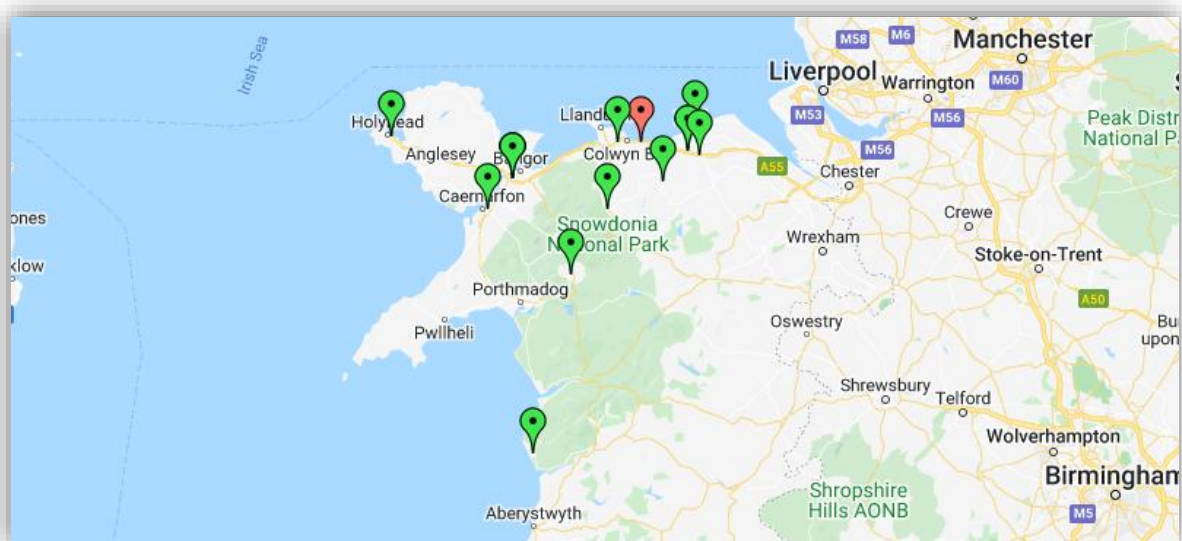
GPS - LOCATION

Vehicle Hubs and EMUs are fitted with GPS. This feature allows you to track your Hubs in real time. The Hub sends a "heartbeat" every minute which records the location, signal strength and network type.



To view Location information for an individual hub, navigate to the individual hub settings and select "Location" from the options available in the blue bar.

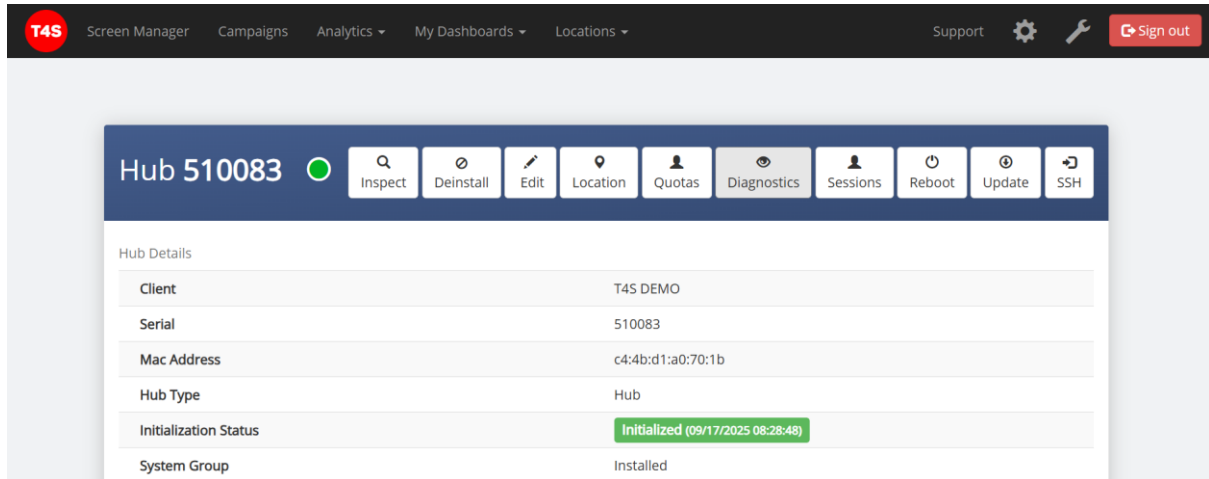
You can also select a specific time and date parameters to view historic recorded data. to view all your hub locations in real time, select "Locations" from the menu at the top of the page and select "My Hubs Real Time".



HUB DIAGNOSTICS

Select a Hub number you wish to run diagnostics on.

Click on the diagnostics button situated in the blue bar.



The screenshot shows the T4S Hub Management interface. At the top, there is a navigation bar with the T4S logo and menu items: Screen Manager, Campaigns, Analytics, My Dashboards, and Locations. On the right side of the navigation bar, there are links for Support, a settings gear icon, a wrench icon, and a Sign out button. Below the navigation bar, the main content area displays 'Hub 510083' with a green status indicator. A blue bar contains several action buttons: Inspect, Deinstall, Edit, Location, Quotas, Diagnostics (highlighted in blue), Sessions, Reboot, Update, and SSH. Below this bar, the 'Hub Details' section is visible, containing a table with the following information:

Hub Details	
Client	T4S DEMO
Serial	510083
Mac Address	c4:4b:d1:a0:70:1b
Hub Type	Hub
Initialization Status	Initialized (09/17/2025 08:28:48)
System Group	Installed

Here you can run various diagnostic tests that can help detect any problems with your connection, or inform you of current speeds, carrier info and who's connected via the Wi-Fi.



The screenshot shows the 'Speedtest diagnostics' interface. At the top, there is a dark blue header with the text 'Speedtest diagnostics'. Below the header, there are two notification banners: a green one that says 'Success sending speedtest message to hub. Results arrive in 2min.' and a blue one that says 'While speedtest is running hub ignores received diagnostic messages'. Below the notifications, there is a blue button labeled 'Run speedtest'. Underneath the button, there is a table displaying the results of the speedtest:

Download / Mbps	Upload / Mbps	Latency / ms	Cc	Country	Latitude	Longitude	Name	Sponsor	Host
441.22	61.63	25.83		United Kingdom	51.5171	-0.1062	London	FibreNest	st-4.fibrenew.com.p






If a Hub has devices plugged into the LAN/WAN ports, you will be able to see if they are active.

Ethernet diagnostics

Success sending ethernet message to hub

Run ethernet diagnostic

Ethernet ports

LAN1	LAN2	LAN3	LAN4	WAN
 Link: Down Speed: 0 Mbps Rx: 0 Bytes Tx: 0 Bytes Clients: 0	 Link: Down Speed: 0 Mbps Rx: 0 Bytes Tx: 0 Bytes Clients: 0	 Link: Up Speed: 10 Mbps Rx: 310.03 KB Tx: 6.75 MB Clients: 1	 Link: Up Speed: 1000 Mbps Rx: 26.95 MB Tx: 103.49 MB Clients: 13	 Link: Down Speed: 0 Mbps Rx: 0 Bytes Tx: 0 Bytes Clients: 0

Ethernet users

Show entries Search:

MAC Address	Port
00:1c:2b:0d:b9:f3	LAN3
00:42:38:cd:86:88	LAN4

The portal is constantly being updated to add new features. A Hubs version can be updated by pressing the 'Update' button on the individual Hub page as described on page 7.

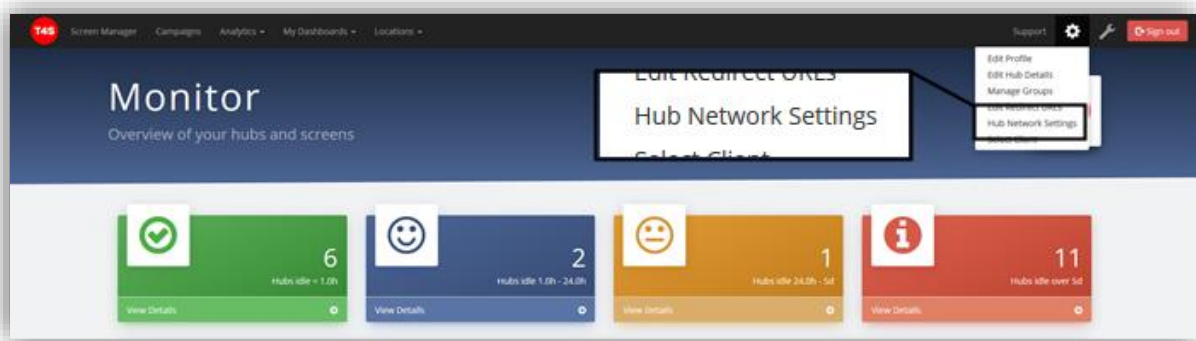
Hub system info

Run system info

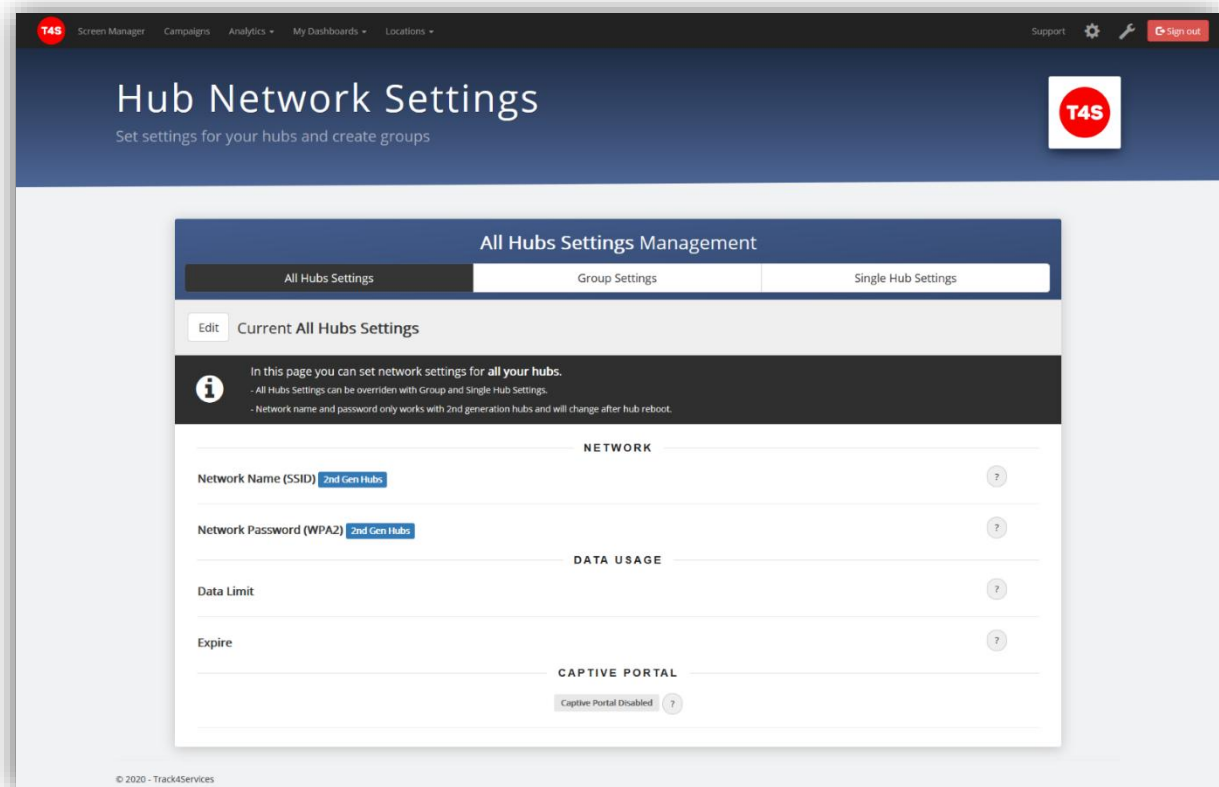
OS version	SW version	CPU usage	RAM usage	Uptime	Internal storage / MB	External storage / MB	Network info
21.02-SNAPSHOT	Version: 1.19.1 Build: a5c10d34b81a7cc80d730d4430f7e8342313d7b7	CPU: 19% usr 19% sys 0% idle 60% io 0% irq 0% sirq	228136K used 680636K free 208K shrd 11140K buff 34488K cached	0d 3h 25m 20.48s	Free: 30.40 MB	USB size: No device SD size: No device	Signal: 3 Type: 5G NSA

HUB SETTINGS

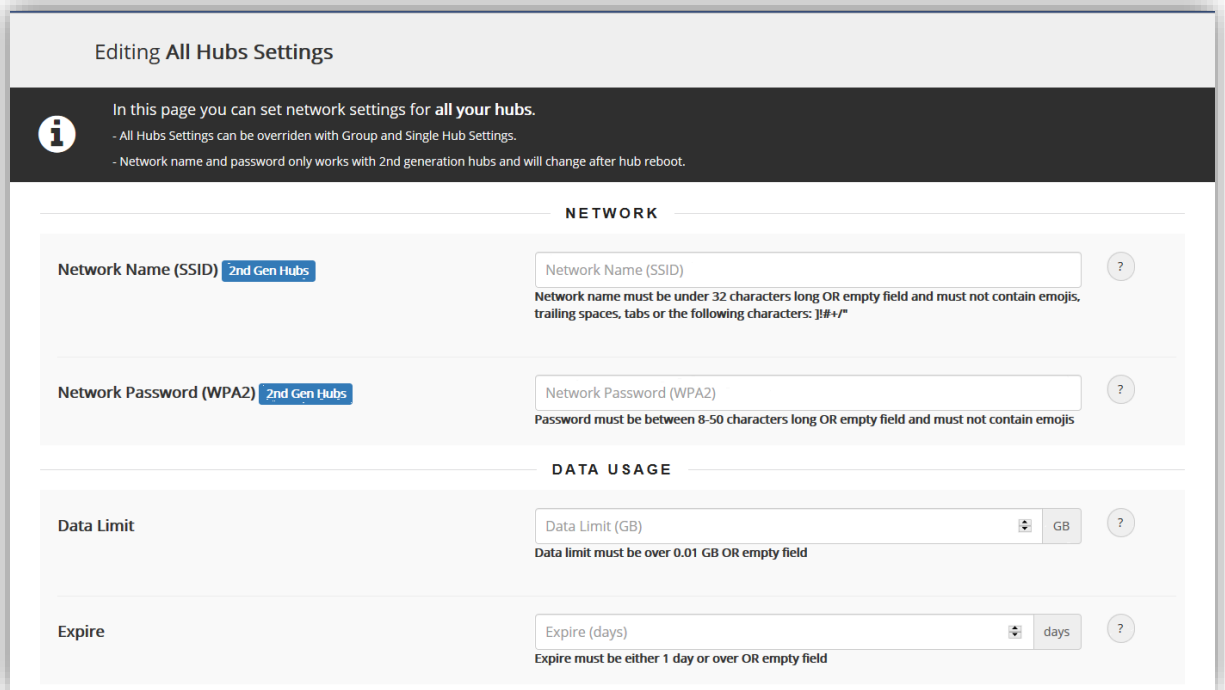
The Hub is configured through the “Hub Network Settings” page on the Portal.



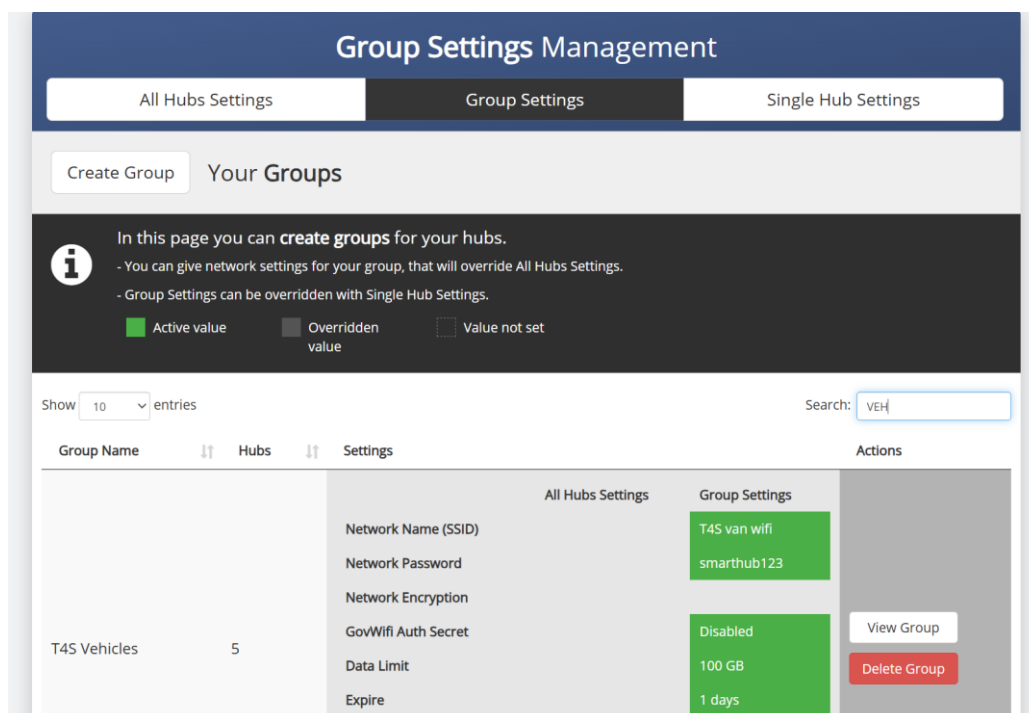
Settings are applied in a tiered system, they can be set for all of a client’s Hubs, by custom group, or by individual Hub. Settings applied by “All Hubs Settings” are overwritten by settings applied by “Group Settings” and those are overwritten by settings applied by “Single Hub Settings”



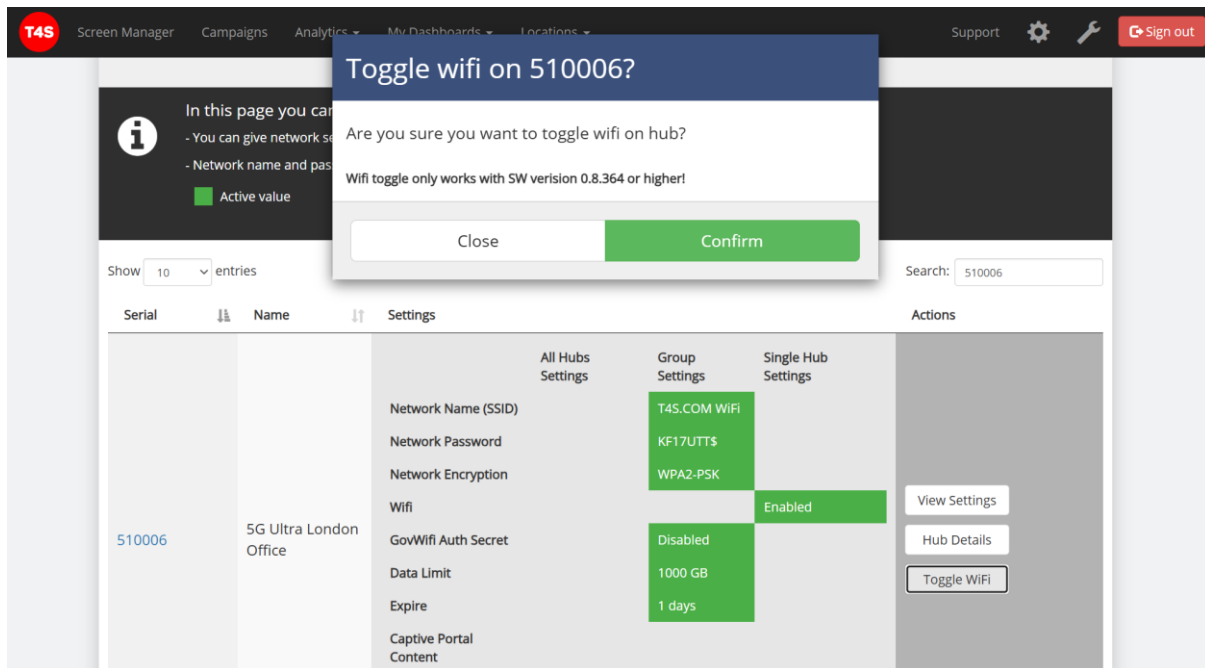
Pressing "Edit" will allow you to change or remove settings on the Hub(s) you have selected. Here you can set the network name, password and data limit for your Hubs. The data limit is applied to all devices that connect to a Hub.



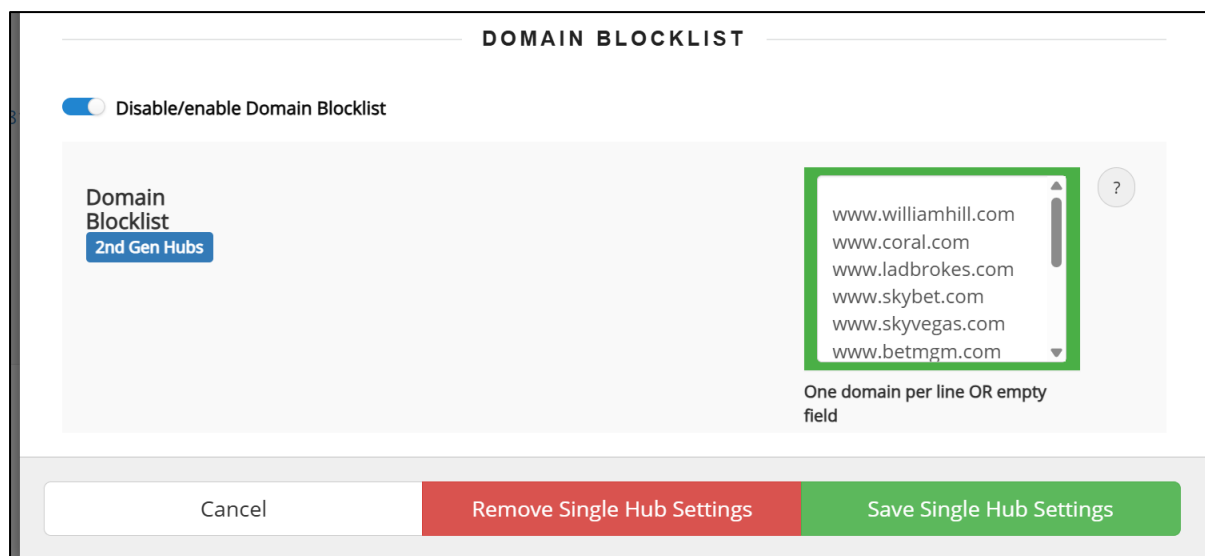
Settings groups are managed under the "Group Settings" section, you can create new groups or edit groups.



If you wish not to have the Hubs Wi-Fi on, it can be easily disabled. Ensure the SW version is 0.8.364 or higher for this feature to work.



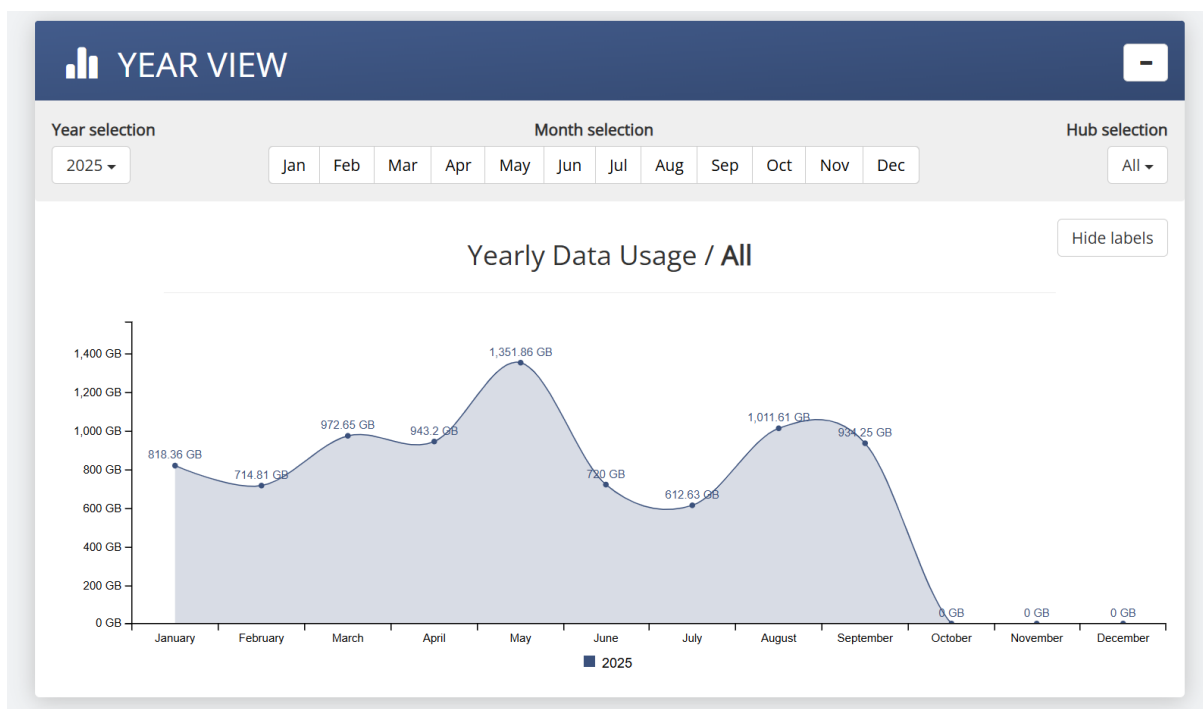
URL's can be blocked from being visited. Simple enable the feature and add the full URL to the list and save. Reboot the Hub to implement the feature.



DATA USAGE DASHBOARD

You can view your Hubs individual and over-all data usage by selecting 'My Dashboards' at the top of the home page, then selecting 'New Data Usage'.

Here you can view an overall data usage from per day up to an entire year in an easy-to-use interactive graph.



You can also monitor the 'Top Hubs' to see which of your Hubs have been using the most data or 'Top Users'. Heavy or unauthorised users can be blocked (see page 8).