

# GDMS Networking Release Notes

## Table of Content

FIRMWARE VERSION 1.1.33.5 .....	3
PRODUCT NAME .....	3
DATE .....	3
CHANGES/ENHANCEMENT .....	3
FIRMWARE VERSION 1.1.33.2 .....	4
PRODUCT NAME .....	4
DATE .....	4
CHANGES/ENHANCEMENT .....	4
NEW FEATURE OVERVIEW .....	4
FIRMWARE VERSION 1.1.31.4 .....	7
PRODUCT NAME .....	7
DATE .....	7
CHANGES/ENHANCEMENT .....	7
NEW FEATURE OVERVIEW .....	8
FIRMWARE VERSION 1.1.29.15 .....	13
PRODUCT NAME .....	13
DATE .....	13
CHANGES/ENHANCEMENT .....	13
NEW FEATURE OVERVIEW .....	13
FIRMWARE VERSION 1.1.28.25 .....	20
PRODUCT NAME .....	20
DATE .....	20
CHANGES/ENHANCEMENT .....	20
FIRMWARE VERSION 1.1.28.9 .....	21
PRODUCT NAME .....	21
DATE .....	21
CHANGES/ENHANCEMENT .....	21
NEW FEATURE OVERVIEW .....	21
FIRMWARE VERSION 1.1.27.13 .....	24
PRODUCT NAME .....	24
DATE .....	24
CHANGES/ENHANCEMENT .....	24

NEW FEATURE OVERVIEW .....	24
FIRMWARE VERSION 1.1.26.11 .....	29
PRODUCT NAME .....	29
DATE .....	29
CHANGES/ENHANCEMENT .....	29
NEW FEATURE OVERVIEW .....	29
FIRMWARE VERSION 1.1.25.23 .....	33
PRODUCT NAME .....	33
DATE .....	33
CHANGES/ENHANCEMENT .....	33
NEW FEATURE OVERVIEW .....	34
FIRMWARE VERSION 1.1.24.23 .....	45
PRODUCT NAME .....	45
DATE .....	45
CHANGES/ENHANCEMENT .....	45
FIRMWARE VERSION 1.1.23.43 .....	46
PRODUCT NAME .....	46
DATE .....	46
CHANGES/ENHANCEMENT .....	46
FIRMWARE VERSION 1.1.23.36 .....	47
PRODUCT NAME .....	47
DATE .....	47
CHANGES/ENHANCEMENT .....	47
FIRMWARE VERSION 1.1.23.29 .....	48
PRODUCT NAME .....	48
DATE .....	48
CHANGES/ENHANCEMENT .....	48

## **FIRMWARE VERSION 1.1.33.5**

### **PRODUCT NAME**

GDMS Networking

### **DATE**

04/30/2025

### **CHANGES/ENHANCEMENT**

- Fixed the issue where the default selection for switch ports is “all VLANs” but it does not apply to the right VLAN profile.
- PPSK now supports maximum of 512.
- Fixed the VLAN ID not showing on client page issue.
- Internal bug fixes.

## FIRMWARE VERSION 1.1.33.2

### PRODUCT NAME

GDMS Networking

### DATE

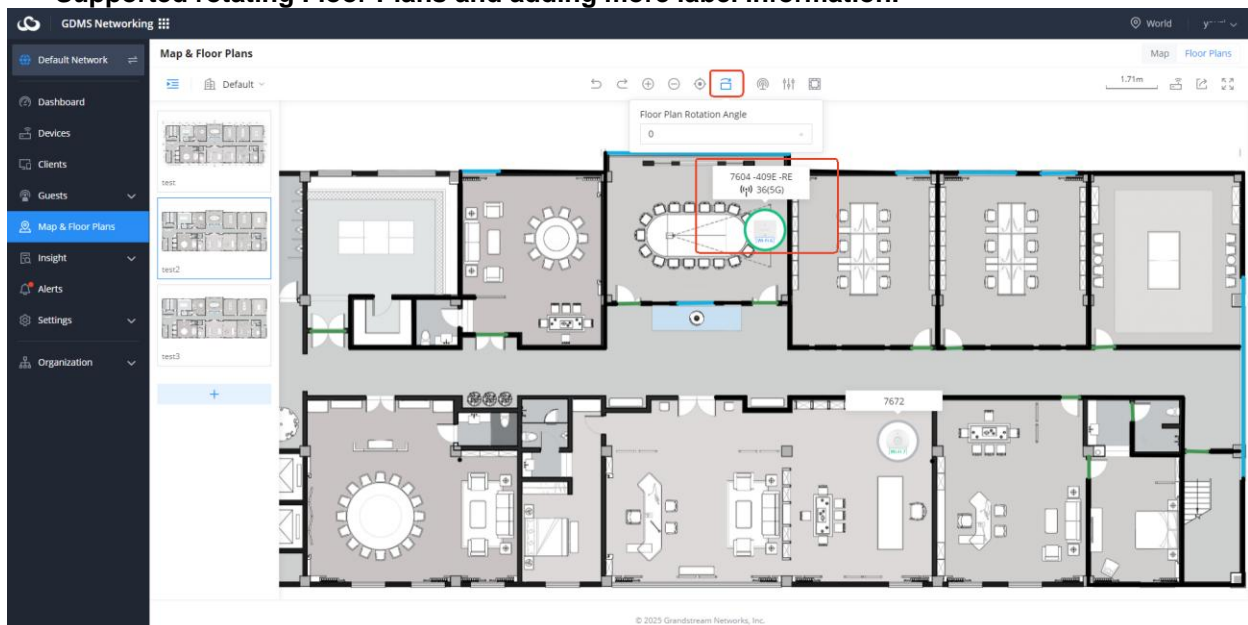
03/29/2025

### CHANGES/ENHANCEMENT

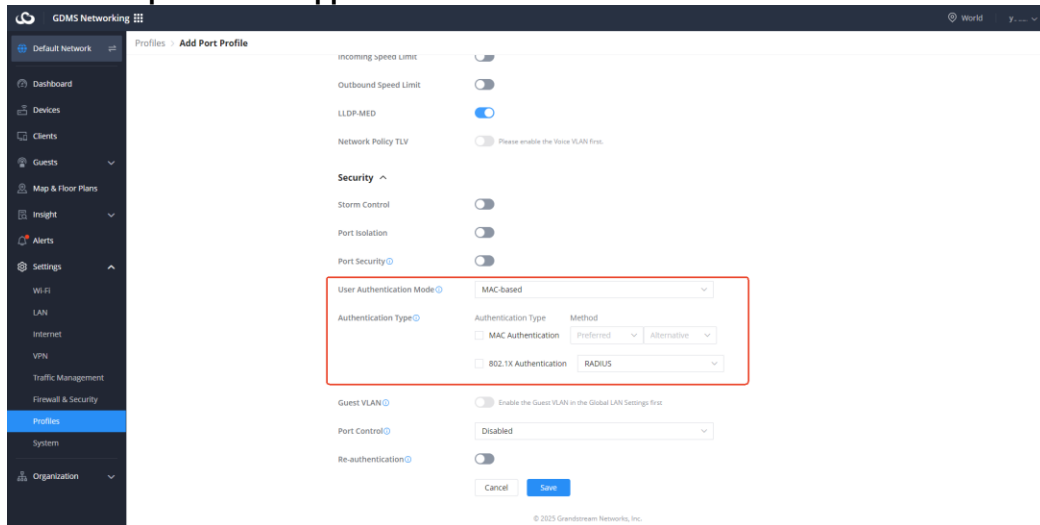
- Added support for Webhook API alerts.
- Added support for BLE client API.
- Added **rotating Floor Plans** option and added more label information.
- Added support for **MAC-based authentication**, LACP on switch ports (for GWN78XX versions equal to or higher than 1.0.15.X).
- Added support for capturing **Switch**.
- Added support for total input power configuration on GWN77XX.
- Added global blocklist limit to 1000.
- Added **"Power Supply Mode"** in the switch POE status list.
- Optimized the device list to display the uplink speed of routers and switches.
- The Splash Portal password authentication now supports all characters (except spaces) for simple passwords.
- Optimized the client list to display **Locked APs**.
- Internal bug fixes.

### NEW FEATURE OVERVIEW

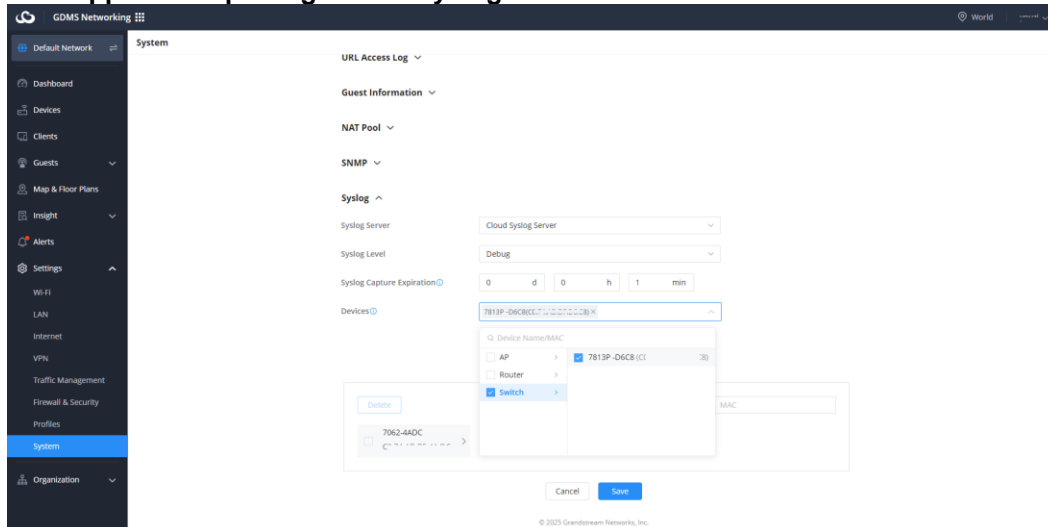
- **Supported rotating Floor Plans and adding more label information.**



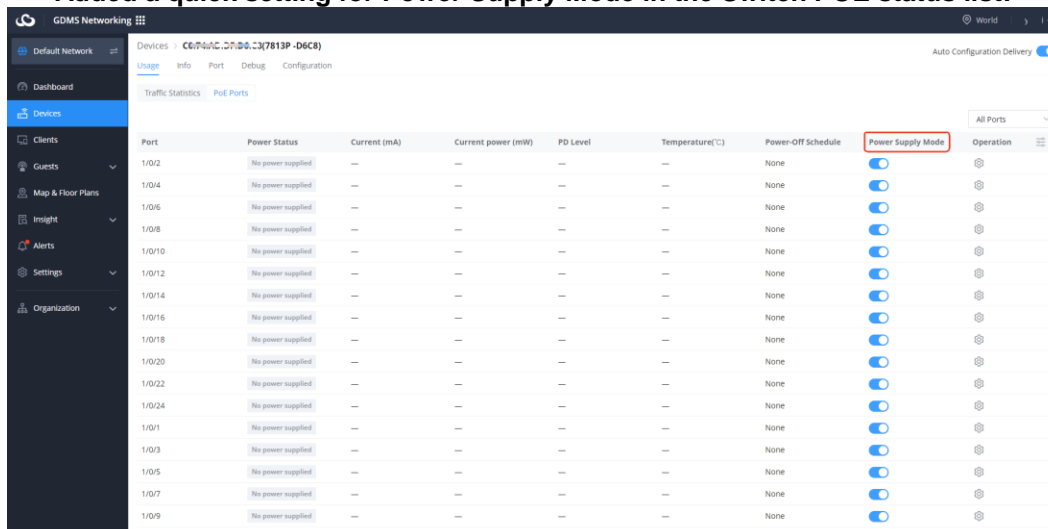
- **Switch ports now support MAC-based authentication.**



- **Supported capturing Switch syslog.**



- **Added a quick setting for Power Supply Mode in the Switch POE status list.**



The screenshot shows the 'Devices' configuration page in the GDMs Networking interface. The 'POE Ports' tab is selected, and a table lists the power status of various ports. The 'Power Supply Mode' column is highlighted with a red box.

Port	Power Status	Current (mA)	Current power (mW)	PD Level	Temperature(°C)	Power-Off Schedule	Power Supply Mode	Operation
1/0/2	No power supplied	—	—	—	—	None	On	On
1/0/4	No power supplied	—	—	—	—	None	On	On
1/0/6	No power supplied	—	—	—	—	None	On	On
1/0/8	No power supplied	—	—	—	—	None	On	On
1/0/10	No power supplied	—	—	—	—	None	On	On
1/0/12	No power supplied	—	—	—	—	None	On	On
1/0/14	No power supplied	—	—	—	—	None	On	On
1/0/16	No power supplied	—	—	—	—	None	On	On
1/0/18	No power supplied	—	—	—	—	None	On	On
1/0/20	No power supplied	—	—	—	—	None	On	On
1/0/22	No power supplied	—	—	—	—	None	On	On
1/0/24	No power supplied	—	—	—	—	None	On	On
1/0/1	No power supplied	—	—	—	—	None	On	On
1/0/3	No power supplied	—	—	—	—	None	On	On
1/0/5	No power supplied	—	—	—	—	None	On	On
1/0/7	No power supplied	—	—	—	—	None	On	On
1/0/9	No power supplied	—	—	—	—	None	On	On

- **Optimized the client list to display Locked APs.**

## FIRMWARE VERSION 1.1.31.4

### PRODUCT NAME

GDMS Networking

### DATE

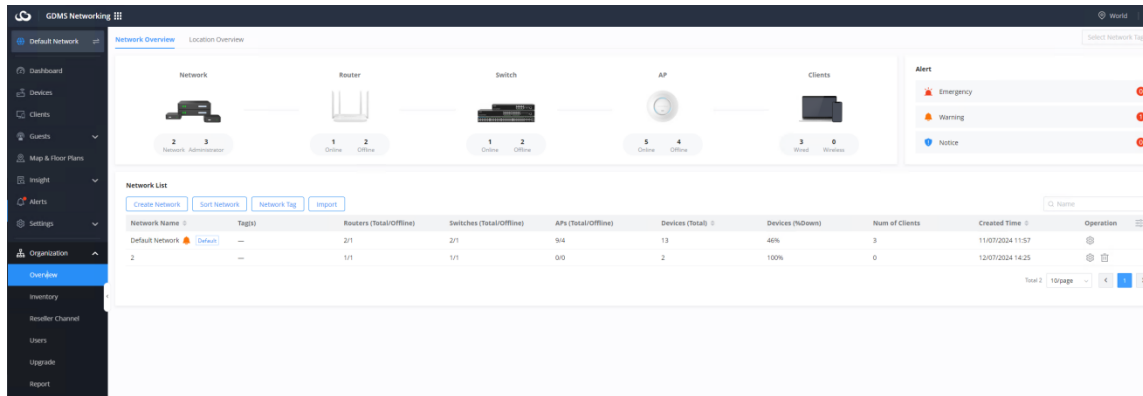
11/16/2024

### CHANGES/ENHANCEMENT

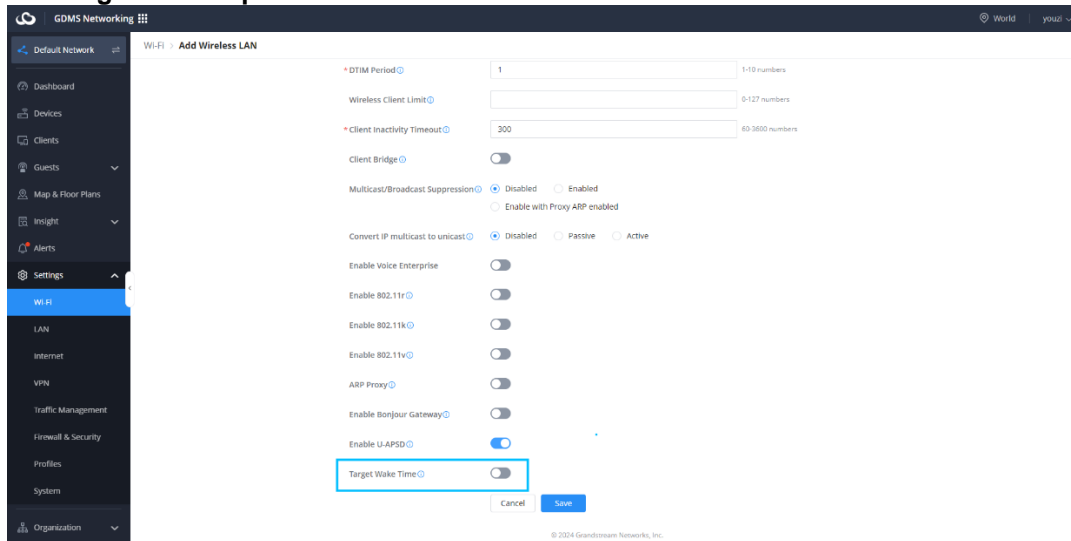
- Added **Alert Icons** to the network list.
- Added filter for read/unread alerts on the alerts page.
- Support exception AP for offline alerts.
- Added the configuration of target wake-up time for SSID.
- Added MAC authentication for SSID.
- Added frequency band display of the SSID in the SSID list.
- Added the **SAML SSO Configuration** to support **SSO Login**.
- Added defense configuration for **DoS/Spoofing Attack**.
- Added **Defense Alert for DoS/Spoofing** attack.
- Added **SNAT & DNAT** configuration for GWN router.
- Added **VPN Configure Wizard** for fast and convenient setup for different VPN protocols.
- Display the locked access point for all set devices and added the configuration for the **Failover Access Point**.
- Added **Network Tags** for the network list in the overview page.
- Added the function to **Import Network/Device/Device Group/SSID** configuration.
- Added **Dark Web Theme** support
- Added **Voucher Group Template** configuration support.
- Added PPSK support for GWN routers and support PPSK download and export.
- Added VLAN2 configuration in LAN.
- Added a method to sort RSSI by numerical order.
- Added quick link to view Block list.
- Added **Real Time Chart** for wireless client usage.
- Added filter for online/offline devices on inventory page.
- Added longitude and latitude configuration for devices.
- Added display for **Uplink Port** of the switch.
- Support the use of public IP for DDNS source IP.
- Support configuring the refresh interval for DDNS.
- Support RADIUS Profile configuration on API.
- Fixed custom channels can be emptied issue.
- Fixed custom configurations not being cloned issue.
- Internal bug fixes.

## NEW FEATURE OVERVIEW

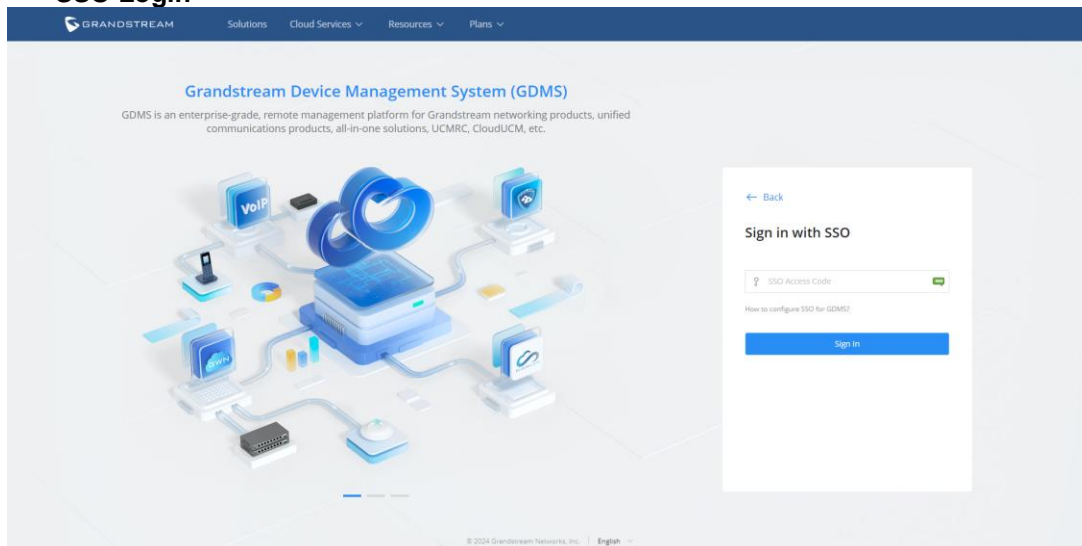
### • Alert Icons



### • Target Wake-Up Time

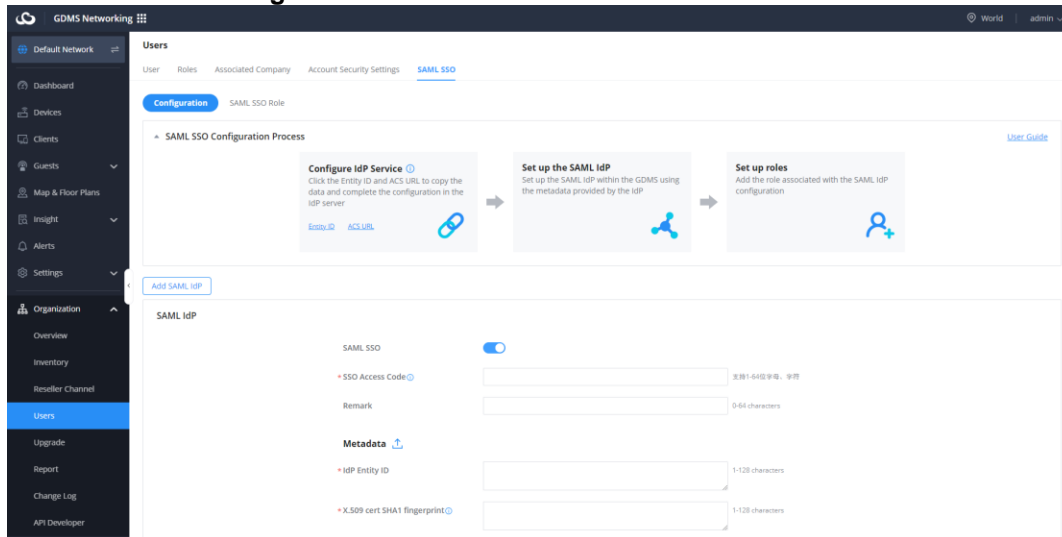


### • SSO Login



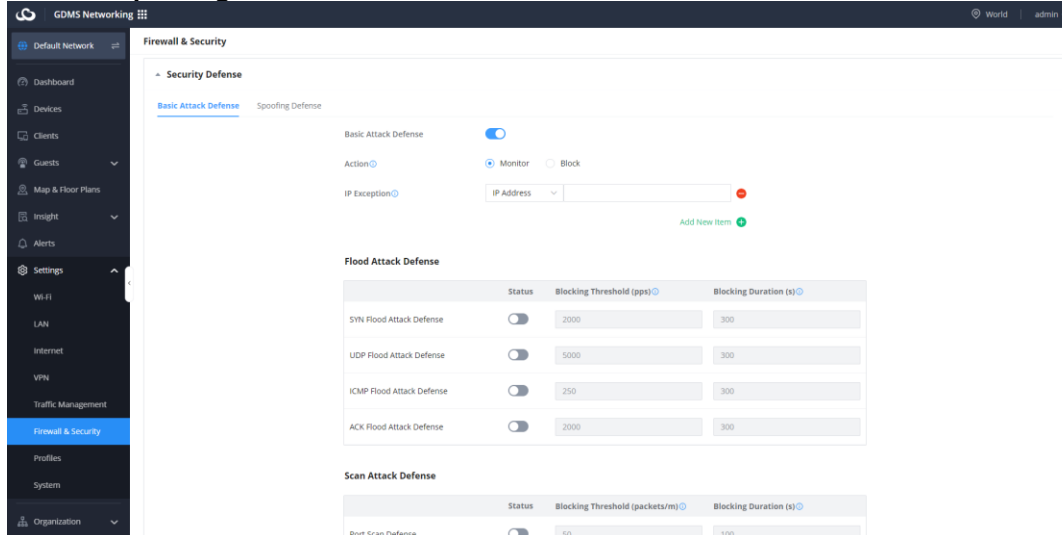


## • SAML SSO Configuration



The screenshot shows the 'SAML SSO Configuration' page in the GDMS Networking interface. The left sidebar contains navigation options like Dashboard, Devices, Clients, Guests, Map & Floor Plans, Insight, Alerts, Settings, Organization, and Users. The main content area is titled 'Users' and includes a 'Configuration' tab for 'SAML SSO Role'. A 'SAML SSO Configuration Process' diagram shows three steps: 'Configure IdP Service', 'Set up the SAML IdP', and 'Set up roles'. Below this, the 'SAML IdP' configuration form is visible, featuring fields for 'SAML SSO' (toggle), 'SSO Access Code', 'Remark', 'Metadata' (IDP Entity ID and X.509 cert SHA1 fingerprint), and an 'Add SAML IdP' button.

## • DoS/Spoofing Attack



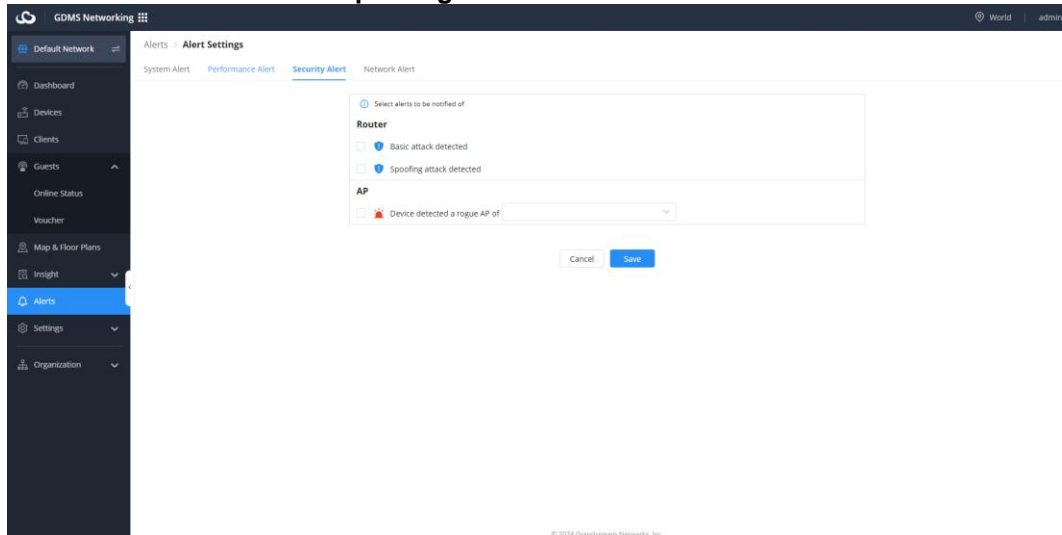
The screenshot displays the 'Firewall & Security' section, specifically the 'Security Defense' tab. It includes 'Basic Attack Defense' (toggle and action settings), 'IP Exception' (list with 'Add New Item' button), 'Flood Attack Defense' (table with columns for Status, Blocking Threshold, and Blocking Duration), and 'Scan Attack Defense' (table with similar columns). The 'Flood Attack Defense' table lists SYN, UDP, ICMP, and ACK flood attacks. The 'Scan Attack Defense' table lists Port Scan attacks.

	Status	Blocking Threshold (pps)	Blocking Duration (s)
SYN Flood Attack Defense	<input type="checkbox"/>	2000	300
UDP Flood Attack Defense	<input type="checkbox"/>	5000	300
ICMP Flood Attack Defense	<input type="checkbox"/>	250	300
ACK Flood Attack Defense	<input type="checkbox"/>	2000	300

	Status	Blocking Threshold (packets/m)	Blocking Duration (s)
Port Scan Defense	<input type="checkbox"/>	50	100

## • Defense Alert for DoS/Spoofing



The screenshot shows the 'Alerts > Alert Settings' page, specifically the 'Security Alert' tab. It includes a 'Select alerts to be notified of' section with checkboxes for 'Basic attack detected' and 'Spoofing attack detected'. Below this, there's a section for 'Router' and 'AP' with a dropdown menu for 'Device detected a rogue AP of'. The page ends with 'Cancel' and 'Save' buttons.

## • SNAT & DNAT

Firewall & Security > **Add Wired Firewall Rules**

Type
☒ Inbound Rules
☐ Forwarding Rules
☐ SNAT
☐ DNAT

Name
1-64 characters

Status
☒

IP Family
☒ Any
☐ IPv4
☐ IPv6

Protocol Type

Router
The field should not be empty

Source Group

Source MAC Address

Source IP Address/Mask Length
 /

Source Port
1-65535 numbers

Destination IP Address/Mask length
 /

Destination Port
1-65535 numbers

Action
☒ Accept
☐ Reject
☐ Drop

## • VPN Configure Wizard

GDMs Networking
VPN > Setup Wizard

Please select the appropriate protocol type

**OpenVPN®**  
A popular and widely used VPN protocol that uses encryption and authentication to create a secure tunnel between users and servers.

- Compatible with Windows, Macs, Androids, iOS and other platforms
- Certificate management, which can effectively manage the connected time of the access users
- User, SSL (certificate) and other authentication methods, suitable for a variety of networking scenarios

**WireGuard®**  
Secure, modern VPN tunneling with state-of-the-art encryption. We recommend using this solution with mobile phones, computers and other terminal devices.

- Lightweight, small memory footprint
- Easy to deploy, support multiple networking scenarios
- Faster and lower latency than OpenVPN®
- Configuration Generate and Export Quickly

**IPSec (Site-to-Site)**  
Standardized network security protocols that provide a kind of point-to-point security which can be implemented in a variety of operating systems and network devices.

- High security and flexibility
- One-stop automatic networking, the network will automatically rebuild after changing the WAN IP.

**PPTP**  
It is a VPN protocol with wide compatibility, supporting multiple operating platforms such as Windows, macOS, Linux, and mobile platforms.

- To ensure the security of your data, we recommend using OpenVPN®, IPSec or WireGuard®

## • Failover Access Point

GDMs Networking
Clients > BE-42:16:12:A0-4A

Usage Info **Configuration**

Hostname
0-64 characters

Client Blocking
☐
View Global Blocking

Bandwidth Rules

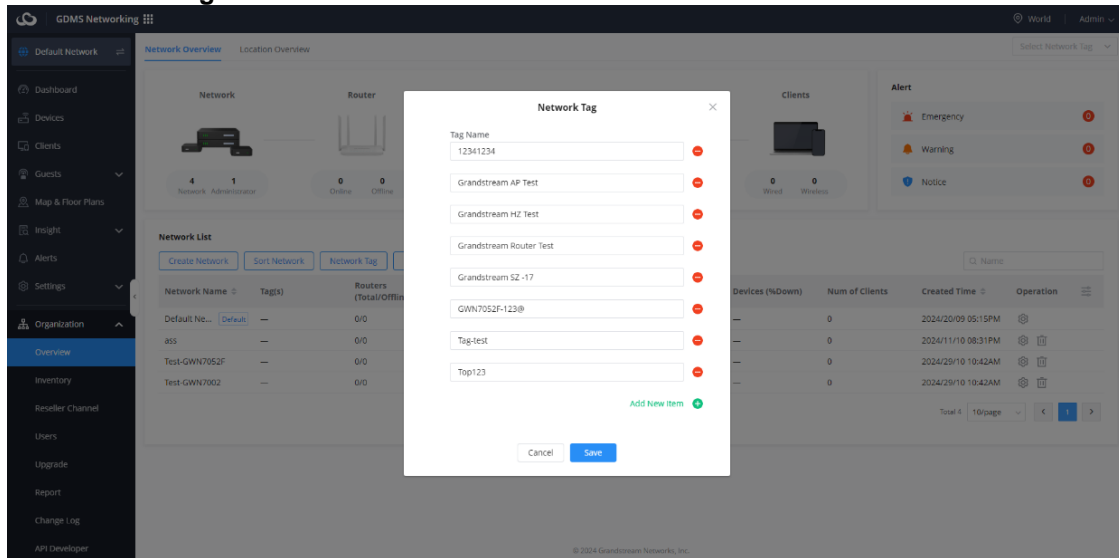
DHCP Static IP address binding
☐
This client can be bound only to the current network

Lock to the Access Point
☒
View All APs with Lock Devices

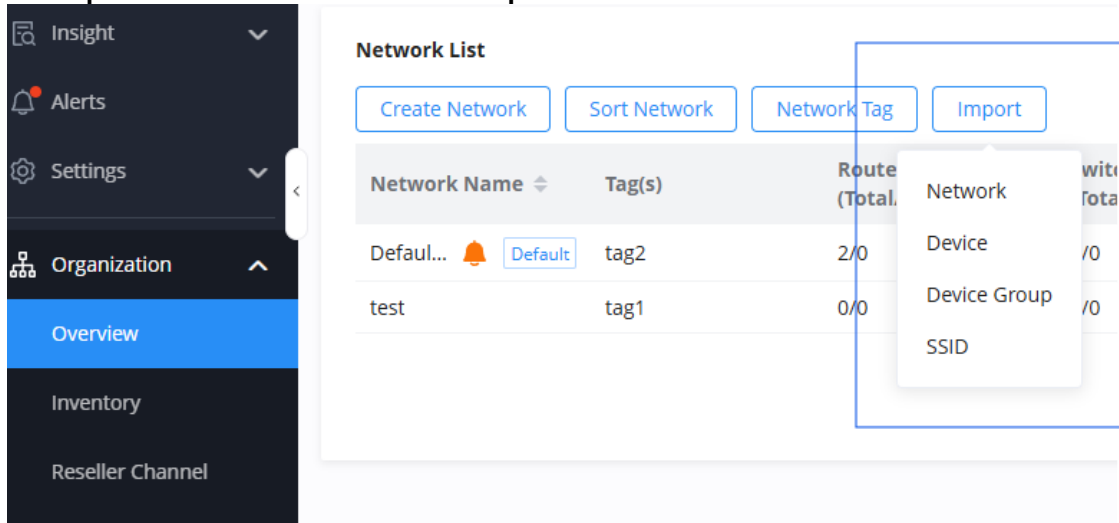
Access Points

Failover for Lock to Access Point

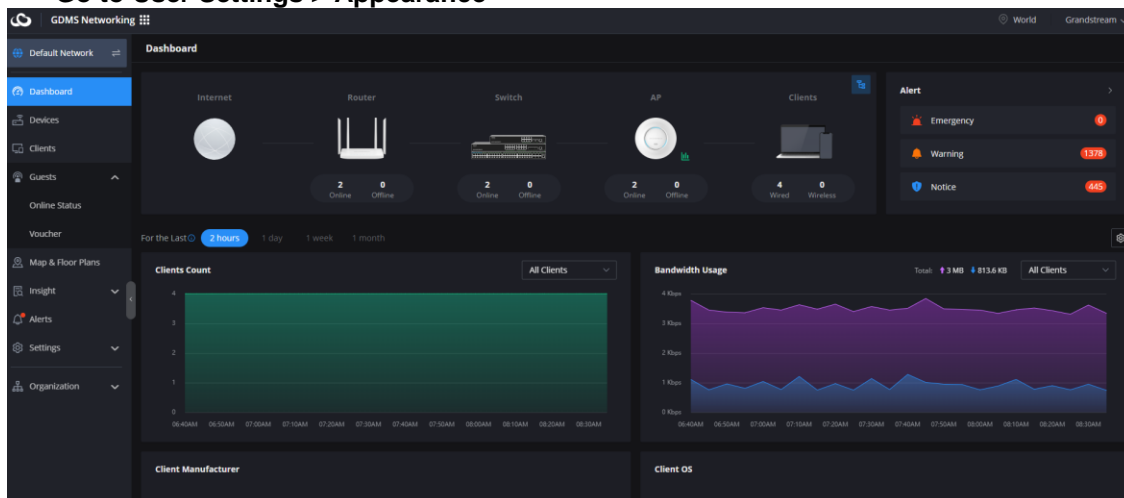
- **Network Tags**



- **Import Network/Device/Device Group/SSID**



- **Dark Web Theme**  
Go to User Settings > Appearance



## • Voucher Group Template

Voucher > Voucher Group Template

① If you want to add a voucher group, you can refer to the configuration within the template

* Quantity	<input type="text" value="10"/>	1-1000 numbers
* Device Quota	<input type="text" value="1"/>	Range from 0-10000, 0 will be excluded
* Duration	<input type="text" value="0-365"/> d <input type="text" value="0-23"/> h <input type="text" value="0-59"/> min	
Maximum upload rate (Kbps)	<input type="text"/>	1-999999 numbers
Maximum download rate (Kbps)	<input type="text"/>	1-999999 numbers
Byte Limit (MB)	<input type="text" value="1-1048576 integers"/> <input type="button" value="Per Voucher"/>	
* Validity Time	<input type="text" value="90"/> d	
Notes	<input type="text" value="0-64 characters"/>	0-64 characters

## • Real Time Chart

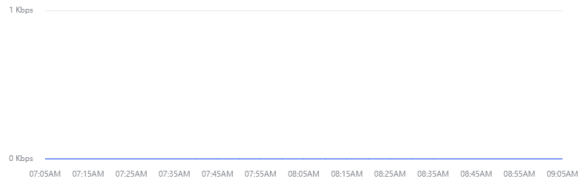
Clients > 0A:ED:0F:97:C0:72(Redmi-Note-13-Pro)

Usage Info Configuration

2 hours 1 day

Bandwidth Usage

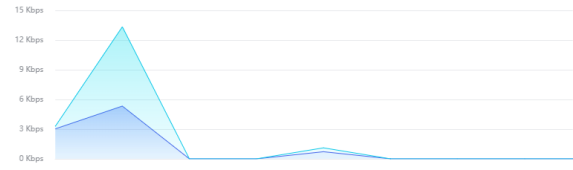
Total: ↑ 0 KB ↓ 0 KB All SSIDs



Real-time Rate

Collect client historical data ☐

00GWN-Cloud



## • Uplink Port

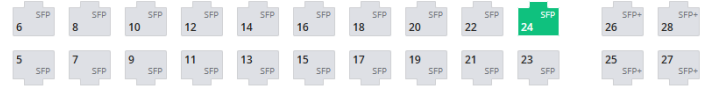
Devices > C0:74:AD:E3:EA:68(Switch7831)

Usage Info Port Debug Configuration

■ 10Gbps
 ■ 2.5Gbps
 ■ 1000Mbps
 ■ ≤100Mbps
 ■ Disconnected
 ■ Errdisable
 ■ Disabled
 ⚡ PoE
 ⌂ PoE IN
 ⌂ Aggregate
 ⌂ Mirror
 ⌂ Uplink



Combo



## FIRMWARE VERSION 1.1.29.15

### PRODUCT NAME

GWN.Cloud, now renamed as GWN Networking

### DATE

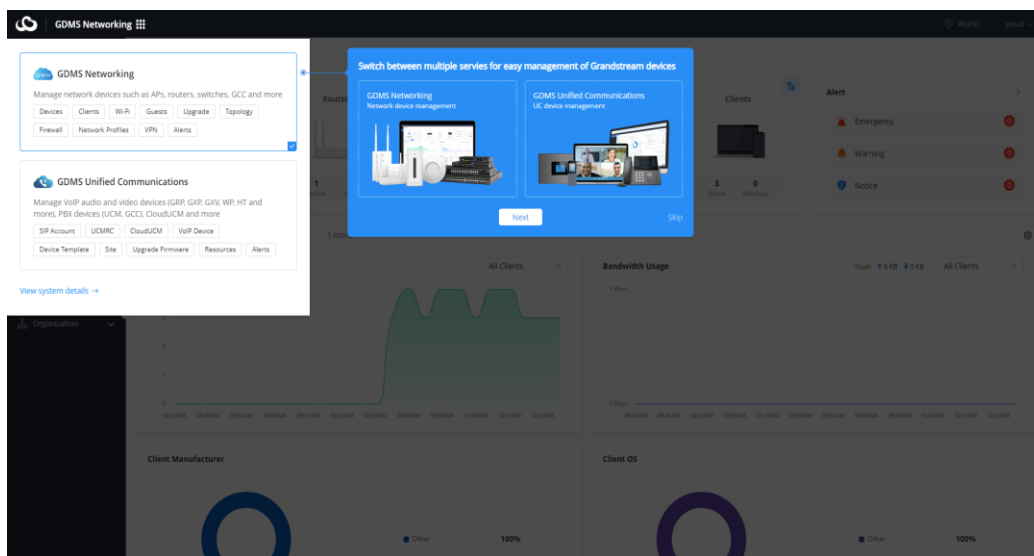
07/27/2024

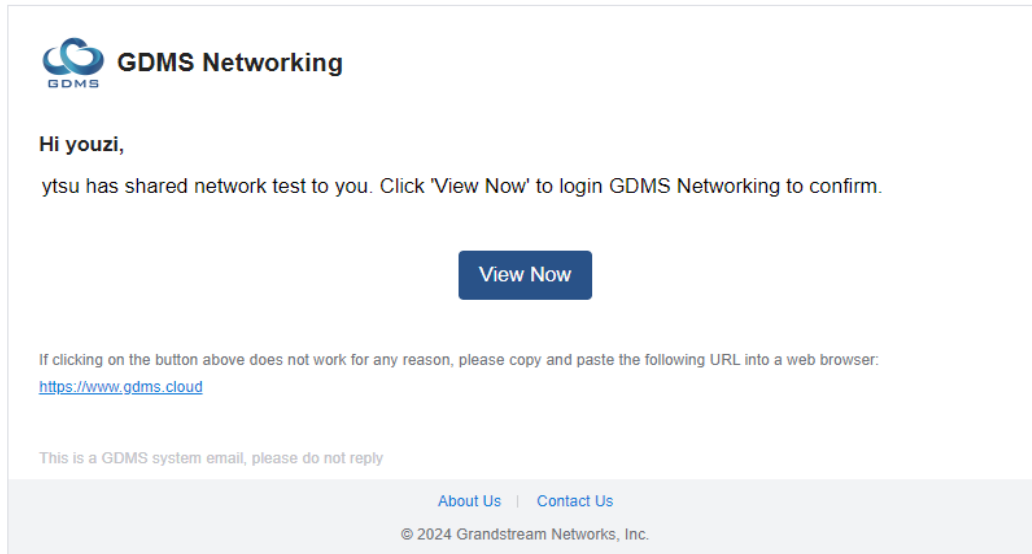
### CHANGES/ENHANCEMENT

- GWN.Cloud is now renamed as "**GDMS Networking**". Unified GDMS entry and email notifications.
- Added support for vertical and horizontal display for **Network Topology**.
- Added **Timestamp** of the last contact with GDMS Networking to the list of devices.
- Added support for router **NAT Traversal** to remote access devices.
- Added selections of **Icon Types** for Clients.
- Added **Client Blocking Duration** setting.
- Added a central control "**Collect Client Historical Data**" for all available clients.
- Added support for **Binding** a client to a specific AP.
- Added support for **ISP Locking** for wireless routers.
- Added support for setting the **Port Name** of routers.
- Optimized the network transfer/sharing logic and alerts.
- Added the API for basic router configuration (including port).
- Internal bug fixes.

### NEW FEATURE OVERVIEW

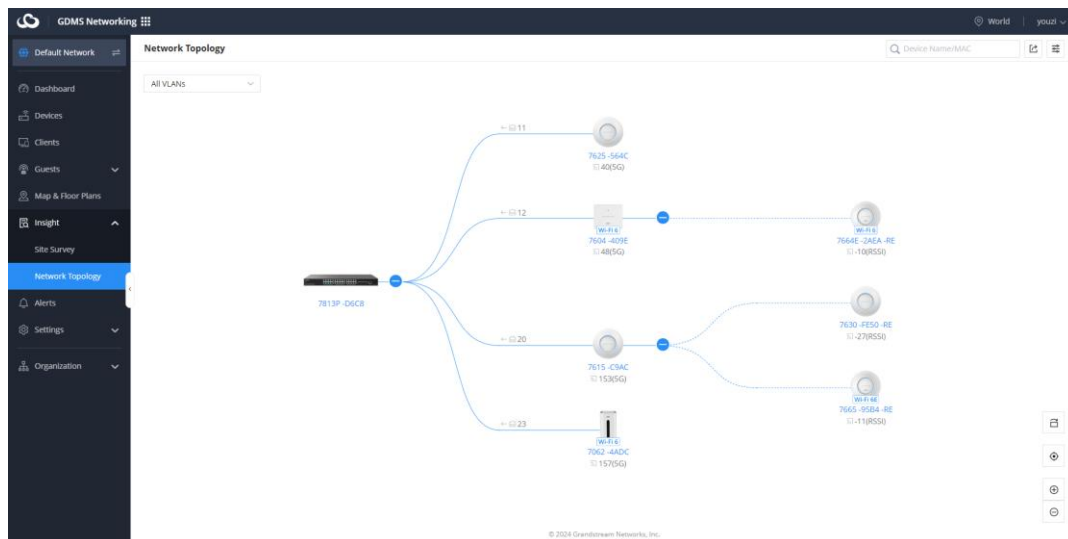
- **GDMS Networking**  
GWN.Cloud is now renamed to GDMS Networking.

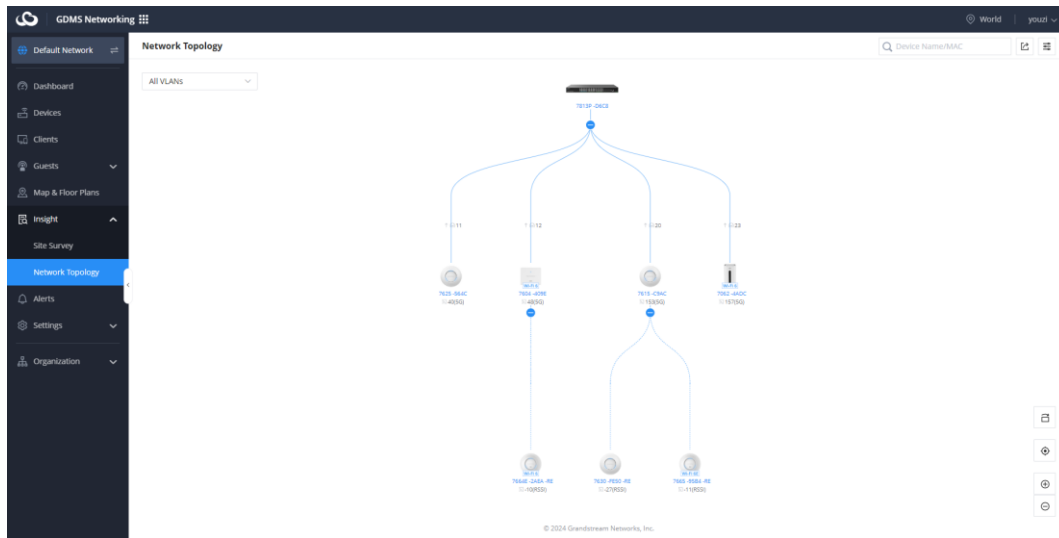




- **Network Topology**

Users can now display the Network Topology in Vertical or Horizontal display.

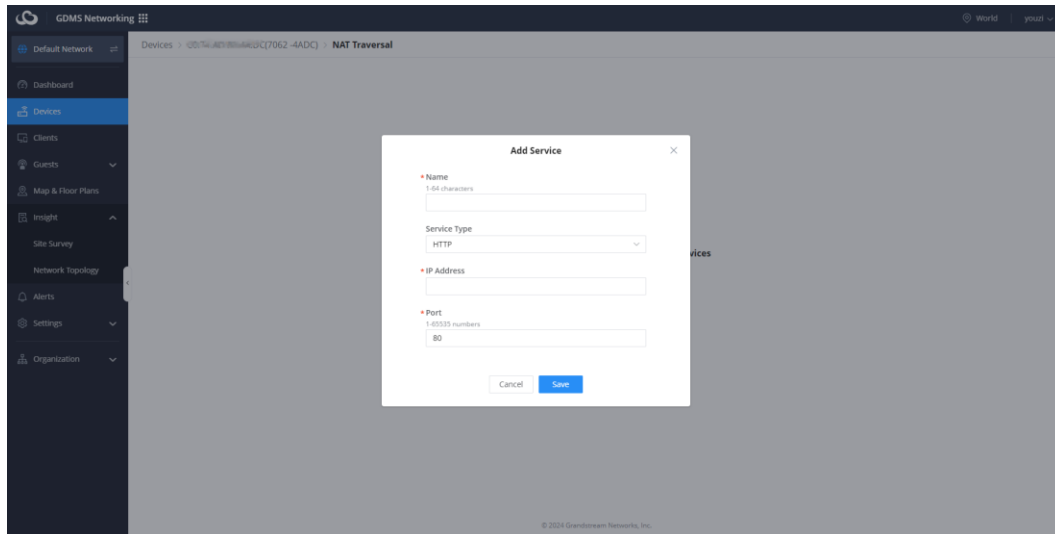




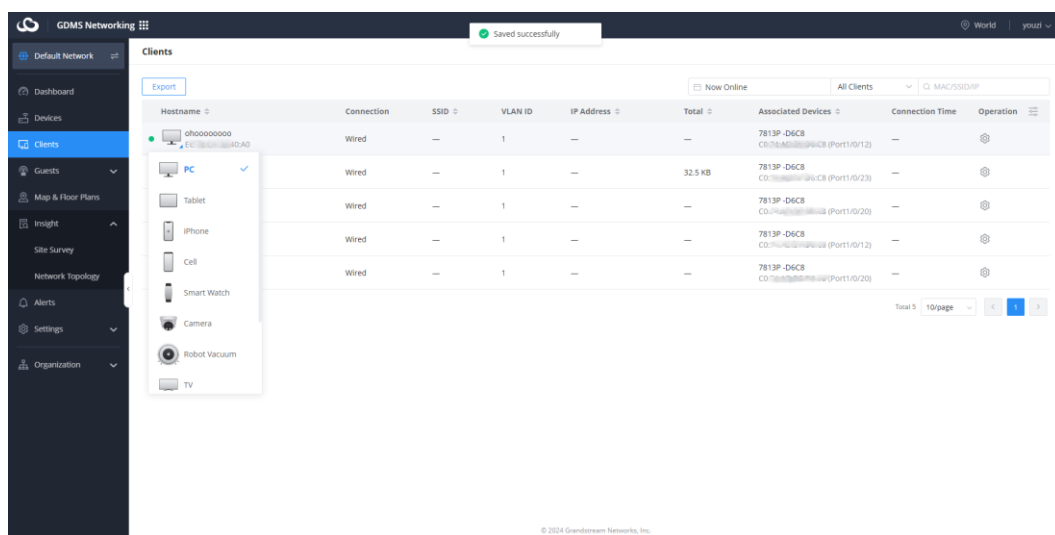
- **Timestamp**  
The listed devices will now display the timestamp for their last contact with GDMS Networking.

Device Model	Name	MAC	IP Address	IPv6 Address	Device Group	Firmware	Uptime	Usage	Last Seen	Operation
GWN7604	7604-409E				Default	1.0.25.3	5m	—	2024/07/22 10:41AM	
GWN7664E	7664E-2AE4-RE				Default	1.0.25.31	6m	—	2024/07/22 10:41AM	
GWN7615	7615-C9AC				Default	1.0.25.33	11d 12m	—	2024/07/22 10:41AM	
GWN7625	7625-S6AC				Default	1.0.25.33	6m	—	2024/07/22 10:41AM	
GWN7630	7630-FE50-RE				Default	1.0.25.33	12d 17h 46m	—	2024/07/22 10:41AM	
GWN7711	7811-A229				Default	1.0.1.22	5d 19h 49m	—	2024/07/17 09:59AM	
GWN7813P	7813P-D6C8			fe80:c274adfffeb54...	Default	1.0.8.9	11d 17h 56m	—	2024/07/22 10:41AM	
GWN7662	7662-4ADC			fe80:c274adfffeb54...	Default	1.0.9.42	10d 20h 5m	34.58 KB	2024/07/22 10:41AM	
GWN7665	7665-95B4-RE				Default	1.0.25.31	11d 16h 51m	—	2024/07/22 10:41AM	

- **NAT Traversal**  
Router now supports NAT Traversal to remote access devices.

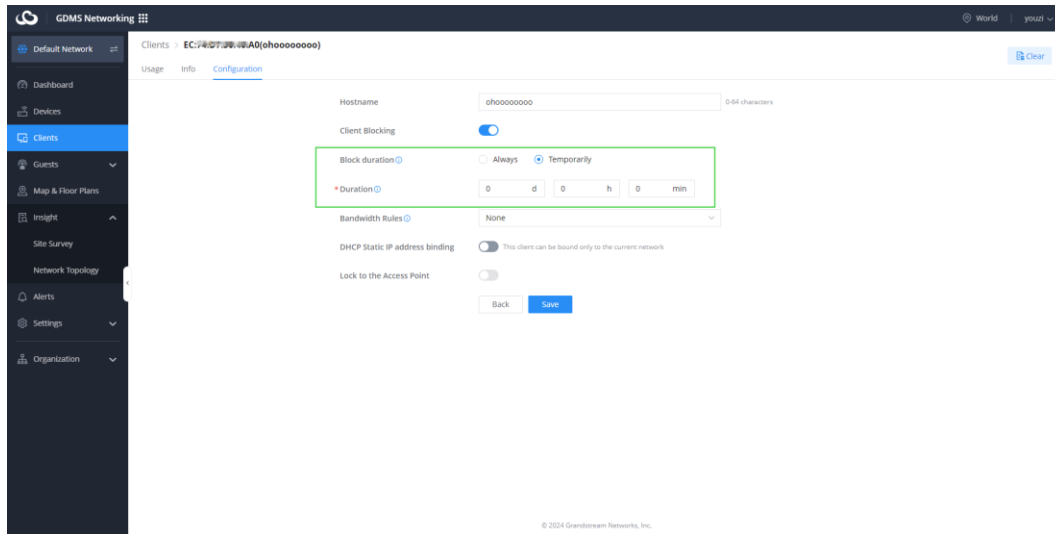


- **Icon Types**  
Users can now customize their client icon to better identify the client.

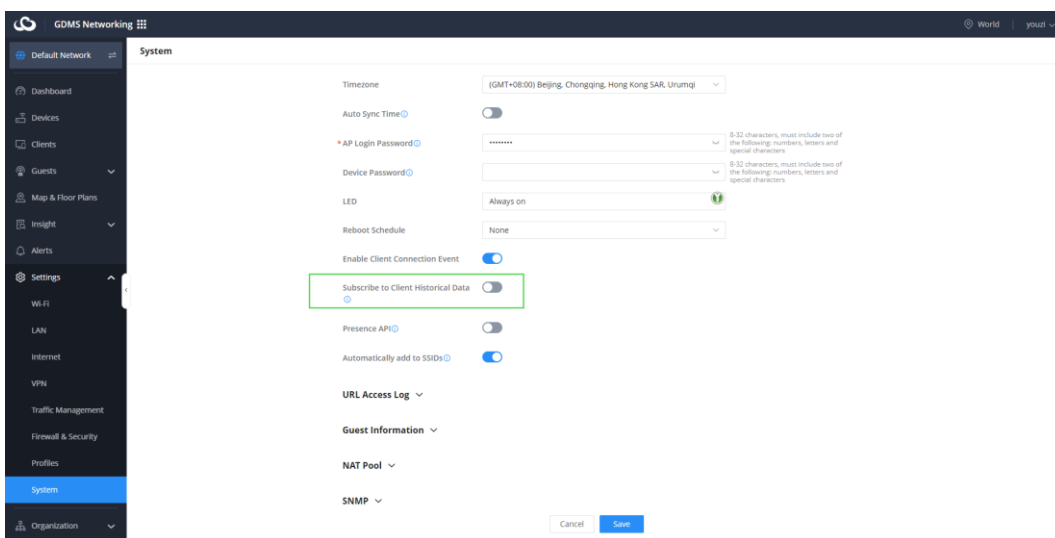


- **Client Blocking Duration**  
Users can now set the blocking duration for the clients.

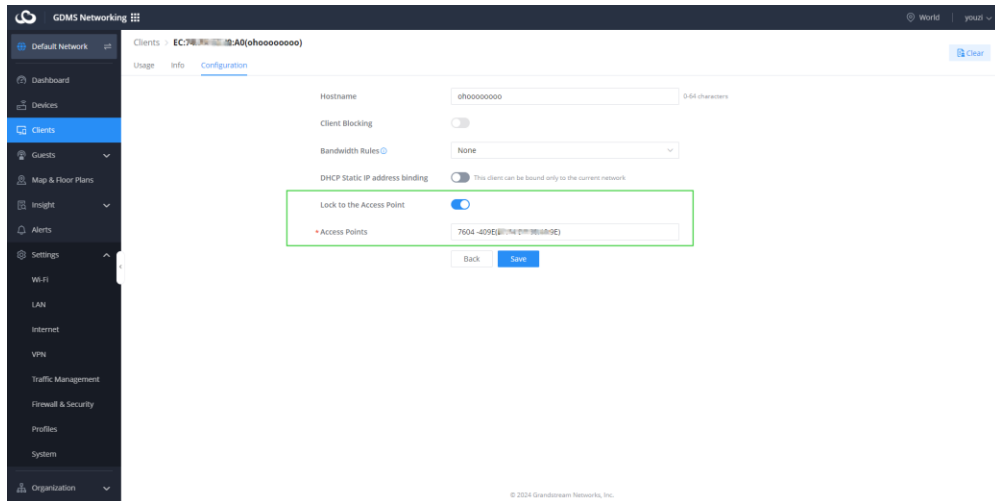




- **Collect Client Historical Data**  
 Added a central control “Collect Client Historical Data” for all available clients.

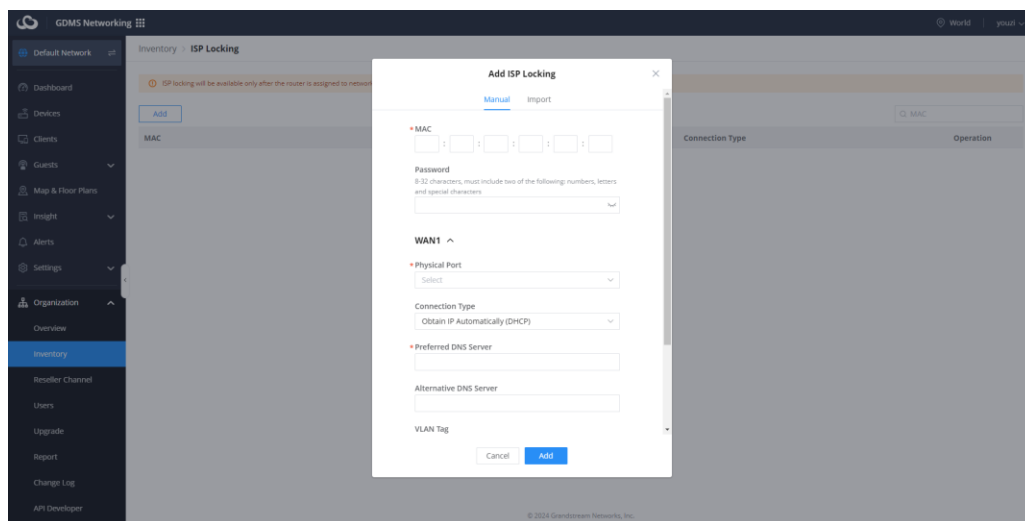


- **Binding**  
 Users can now lock a client to a specific AP.



- **ISP Locking**

This feature allows the users to customize their own factory default values for password, WAN, and SSID. **The feature is default disabled, please contact Grandstream Support for assistance.**



- **Port Name**

Users can now give names to ports.

GDMS Networking

Default Network

Dashboard

Devices

Clients

Guests

Map & Floor Plans

Insight

Alerts

Settings

Organization

Overview

Inventory

Reseller Channel

Users

Upgrade

Report

Change Log

API Developer

Devices

CO-100-89-4A-DC(7062-4ADC)

Usage

Info

Debug

Configuration

World

youst

Auto Configuration Delivery

NAT Traversal

Clear usage

Network Acceleration

Acceleration Mode: Hardware Acceleration

Port

Physical Port	Port Name	Port Mode	Status	Port Configuration
WAN	0-64 characters	WAN	<input checked="" type="checkbox"/>	
LAN&WAN	0-64 characters	WAN	<input checked="" type="checkbox"/>	
LAN3	0-64 characters	LAN	<input checked="" type="checkbox"/>	None
LAN2	0-64 characters	LAN	<input checked="" type="checkbox"/>	None
LAN1	0-64 characters	LAN	<input checked="" type="checkbox"/>	None

2.4GHz

2.4GHz ☒

Wi-Fi Compatible Mode ☒ Use Radio Settings

Channel Width ☒ Use Radio Settings

Channel ☒ Use Radio Settings

Back Save

## **FIRMWARE VERSION 1.1.28.25**

### **PRODUCT NAME**

GWN.Cloud

### **DATE**

05/25/2024

### **CHANGES/ENHANCEMENT**

- Added support of GCC601X SMB UC/Networking Convergence Solutions
- Added the ability to update AP info in real time when enter AP detailed page
- Added the ability to customize MAC for client isolation in wireless LAN
- Added a new feature of OS Filter in wireless LAN
- Optimized the performance and stability for some service
- Optimized the algorithm the root node selection in network topology
- Internal bug fixes

## FIRMWARE VERSION 1.1.28.9

### PRODUCT NAME

GWN.Cloud

### DATE

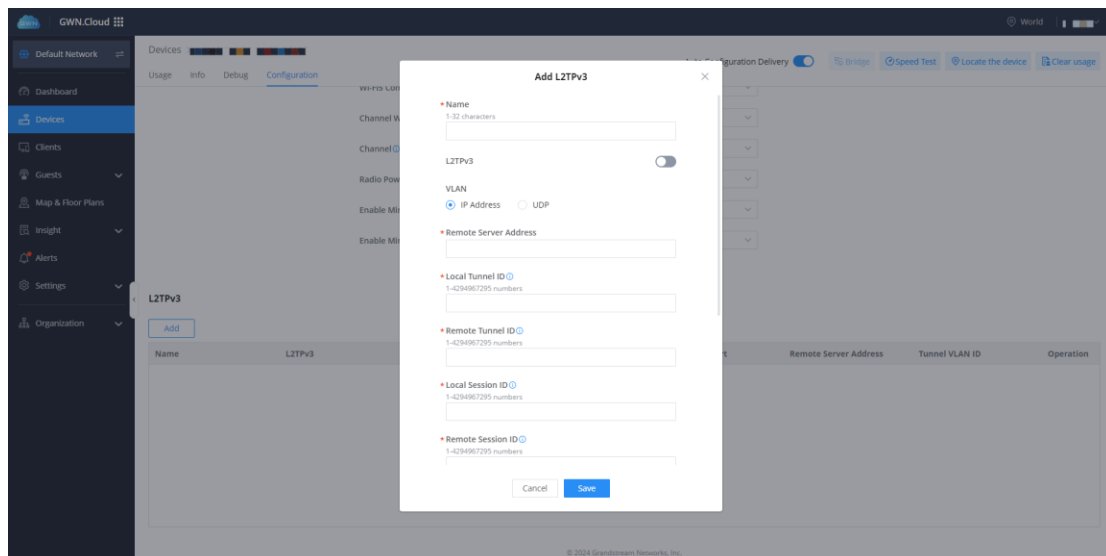
03/02/2024

### CHANGES/ENHANCEMENT

- Supported link speed display for Aps on the device list
- Supported **L2TPv3** configuration on **GWN7660 series APs**
- Supported cloning the LAN and wired firewall configuration
- Added **Beta** firmware display and supports upgrading to Beta
- Optimized client list **Sorting**
- Supported **Local WAN** Configuration Synchronization
- Added Phone Number length Settings for the authentication of Splash Page
- **Optimized Feedback** entry
- Added PPSK configuration, inventory information acquiring, and switch port information acquiring for API
- Added “Do not show again: Check” Log for firmware update on the change log.
- Internal bug fixes

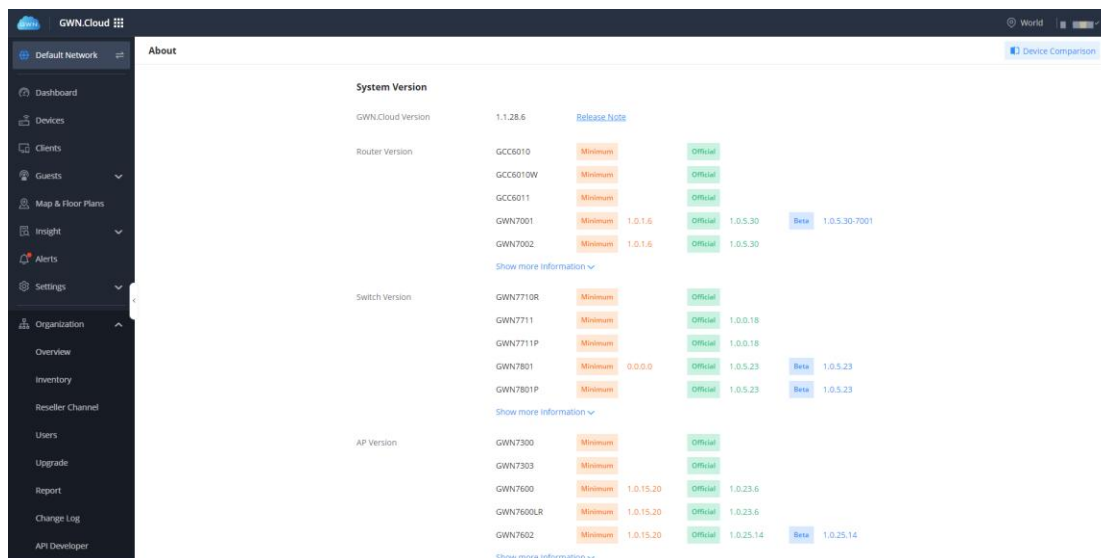
### NEW FEATURE OVERVIEW

- **L2TPv3 Configuration**



- **Beta Display**

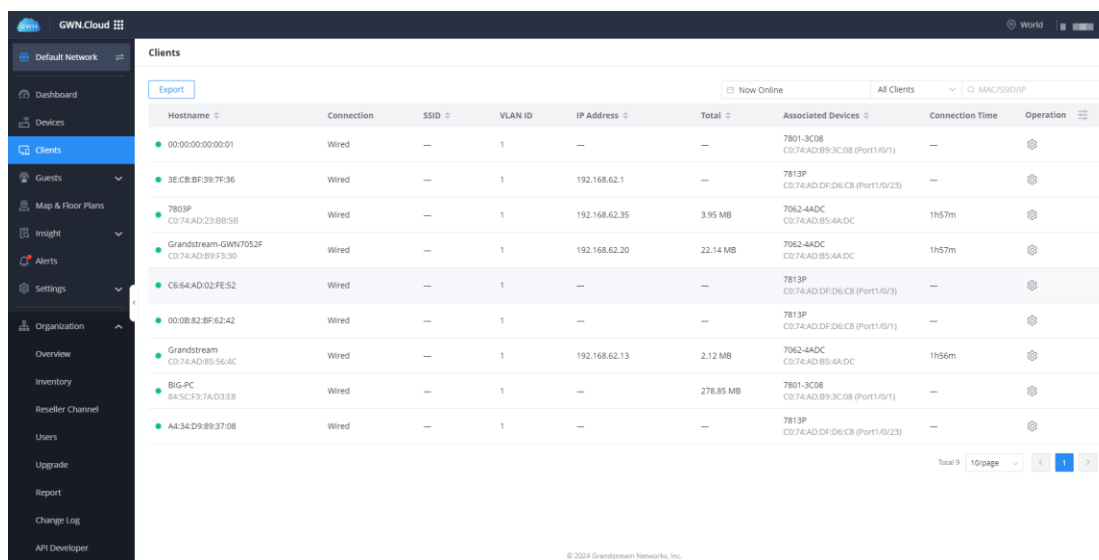
1. Added Beta display in the **About** page.



2. Support upgrading to Beta from the upgrade page.

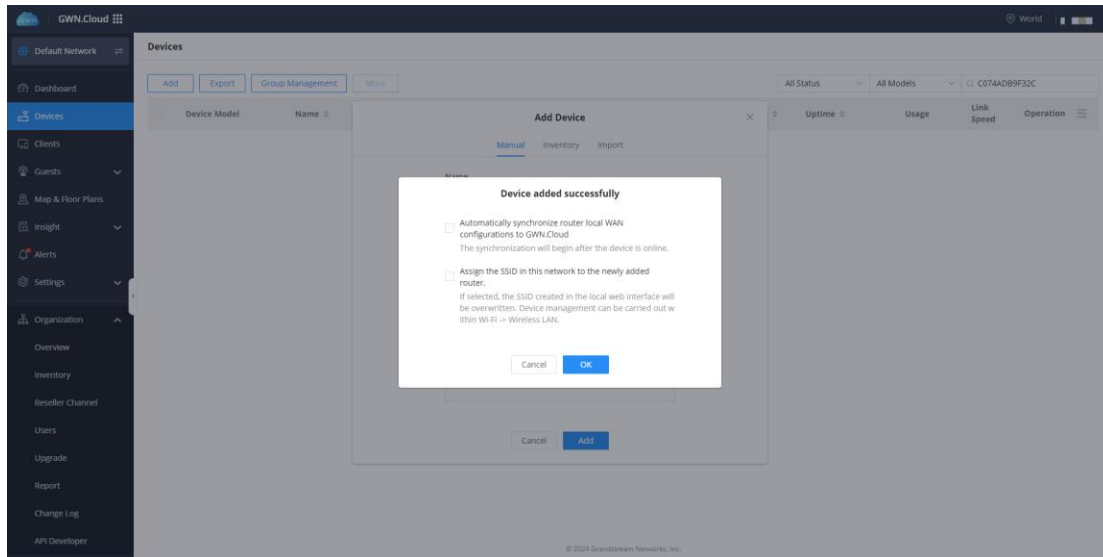
- **Optimized Sorting**

SSID, Hostname, and Associated device sorting are now supported on the client page.

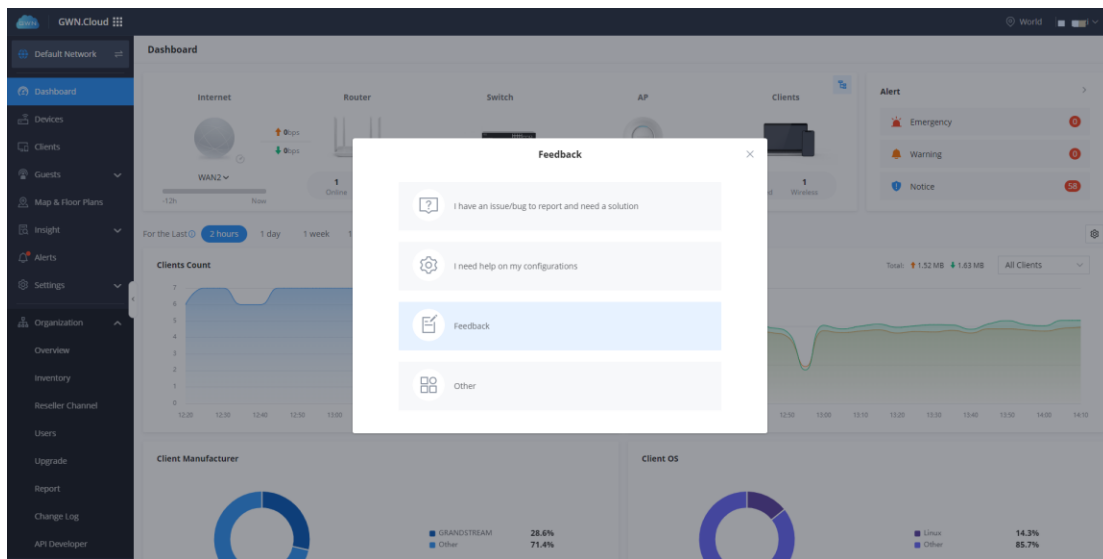


- **Local WAN Configuration Synchronization**

Synchronizing from the local WAN configuration of the added router is supported.



- Optimized Feedback**  
 GWN cloud now offers feedback options for enhancing issue resolution efficiency and minimizing response times.



## FIRMWARE VERSION 1.1.27.13

### PRODUCT NAME

GWN.Cloud

### DATE

01/15/2024

### CHANGES/ENHANCEMENT

- Optimized account login page
- Added **Regions/Systems Switch** to allow multiple regions/systems to be opened
- Upgrade **Account Permission**, allowing comprehensive management of all Grandstream services and enable all systems in the selects region
- Added **Associated Company** to support cross-region/cross-system management on channels and customers for network sharing and device allocation
- Added **Reseller Channel** to support the establishment of hierarchy in agent partnership, obtain device from ERP, and assign device to network groups or channels/agents
- Optimized **User Manangement**, unified management of account and password security
- Optimized **Personal Settings** page and added user type settings
- Optimized the process of account/password retrieval
- Added API support for exporting the switch information, mainly the information and port modules in the switch details, and the information of the global switch settings
- Added API support for PPSK configuration
- Internal bug fixes

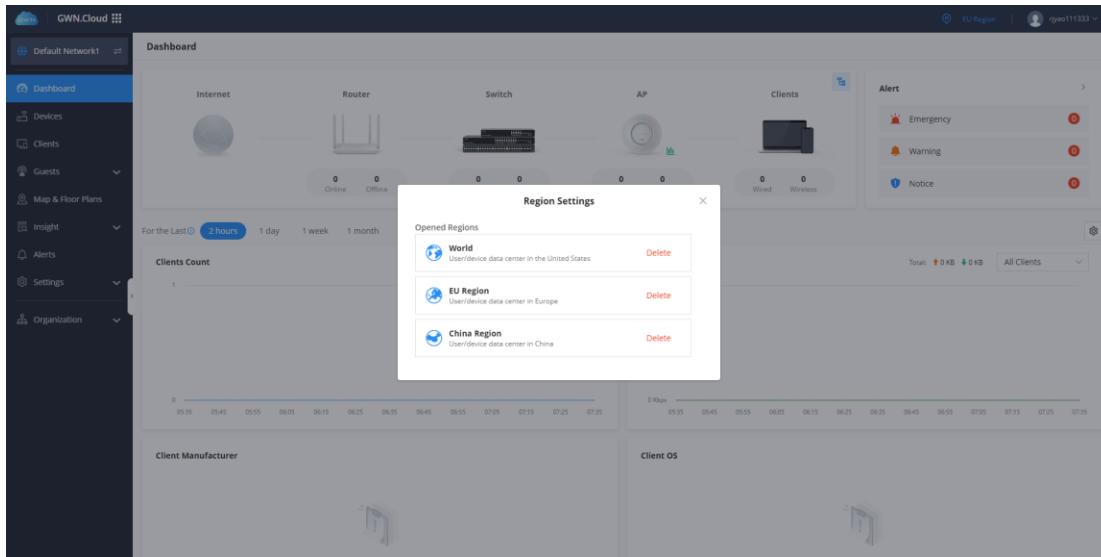
### NEW FEATURE OVERVIEW

- **Regions/Systems Switch**

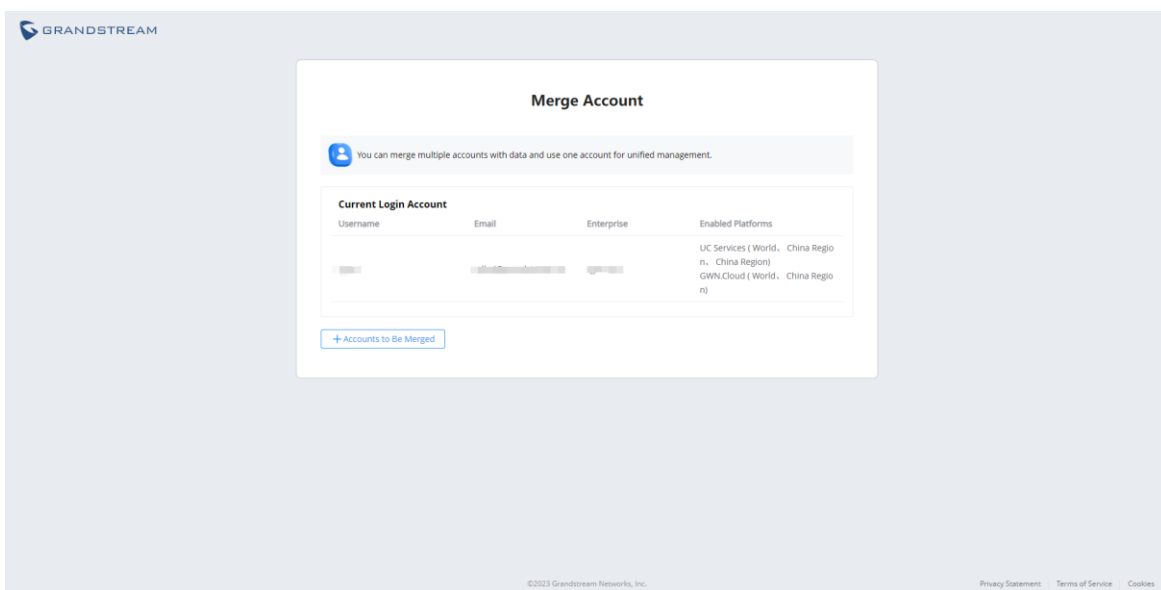
Added the support of switching regions/systems to allow multiple service areas to be opened. Go to Region settings to add or delete regions. Only the super admin has access by default.

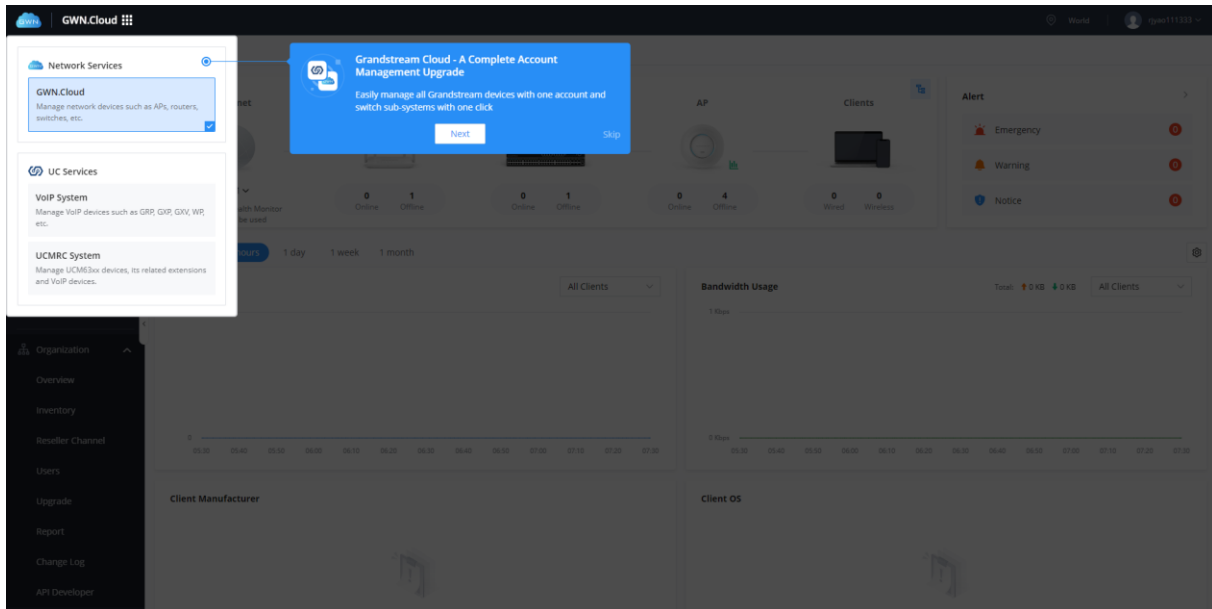
Please note deleting a region will delete all data within that region including GWN.cloud data and GDMS data.



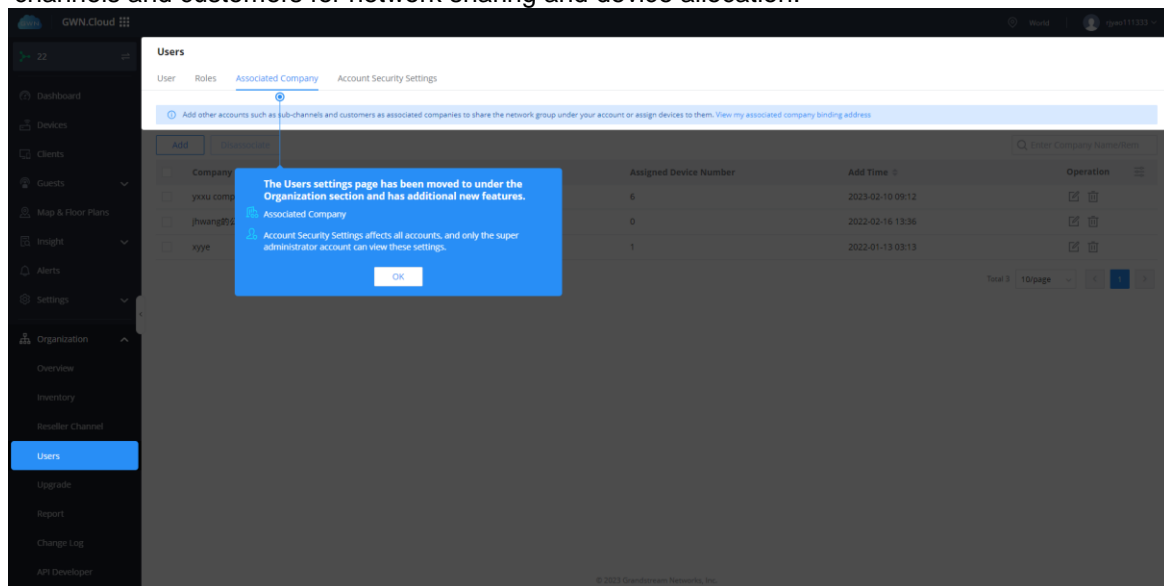


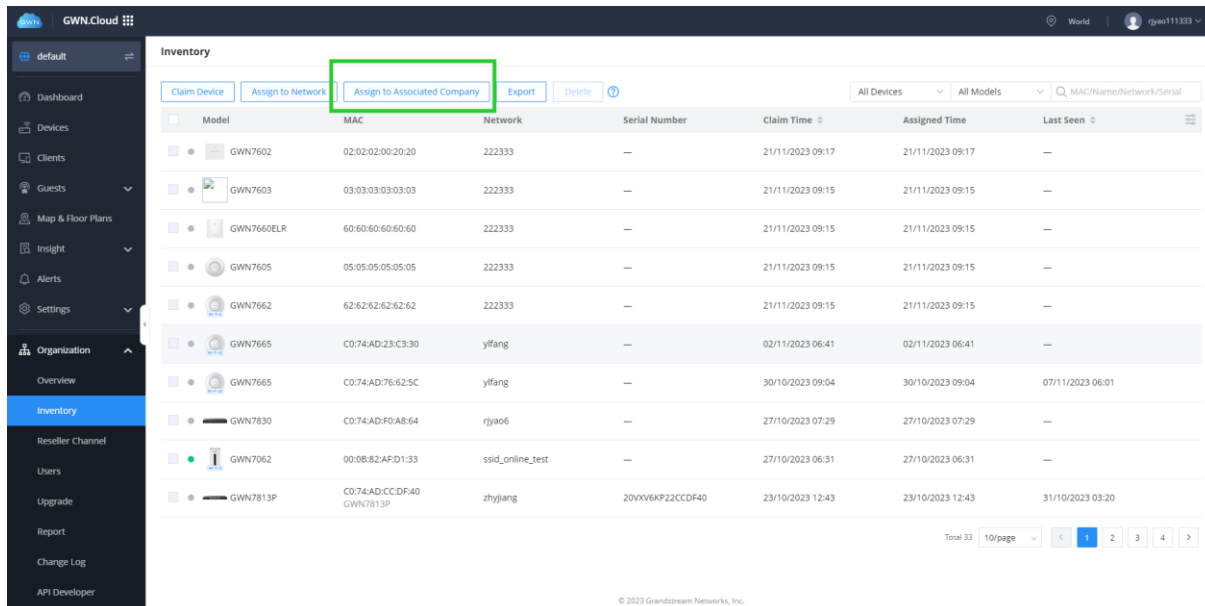
- Account Permission**  
 Upgraded account permission to support comprehensive management of all Grandstream devices and services. Account can now access both GWN.cloud and GDMS.





- Associated Company**  
 Added support of associated company to support cross-region and cross-system management of channels and customers for network sharing and device allocation.





**Inventory**

Claim Device Assign to Network **Assign to Associated Company** Export Delete

All Devices All Models Q: MAC/Name/Network/Serial

Model	MAC	Network	Serial Number	Claim Time	Assigned Time	Last Seen
GWN7602	02:02:02:00:20:20	222333	—	21/11/2023 09:17	21/11/2023 09:17	—
GWN7603	03:03:03:03:03:03	222333	—	21/11/2023 09:15	21/11/2023 09:15	—
GWN7660ELR	60:60:60:60:60:60	222333	—	21/11/2023 09:15	21/11/2023 09:15	—
GWN7605	05:05:05:05:05:05	222333	—	21/11/2023 09:15	21/11/2023 09:15	—
GWN7662	62:62:62:62:62:62	222333	—	21/11/2023 09:15	21/11/2023 09:15	—
GWN7665	C0:74:AD:23:C3:30	yifang	—	02/11/2023 06:41	02/11/2023 06:41	—
GWN7665	C0:74:AD:76:62:5C	yifang	—	30/10/2023 09:04	30/10/2023 09:04	07/11/2023 06:01
GWN7830	C0:74:AD:F0:A8:64	rtiao6	—	27/10/2023 07:29	27/10/2023 07:29	—
GWN7062	00:08:82:AF:D1:33	ssid_online_test	—	27/10/2023 06:31	27/10/2023 06:31	—
GWN7813P	C0:74:AD:CC:DF:40 GWN7813P	zhiyang	20VXV6P2CCDF40	23/10/2023 12:43	23/10/2023 12:43	31/10/2023 03:20

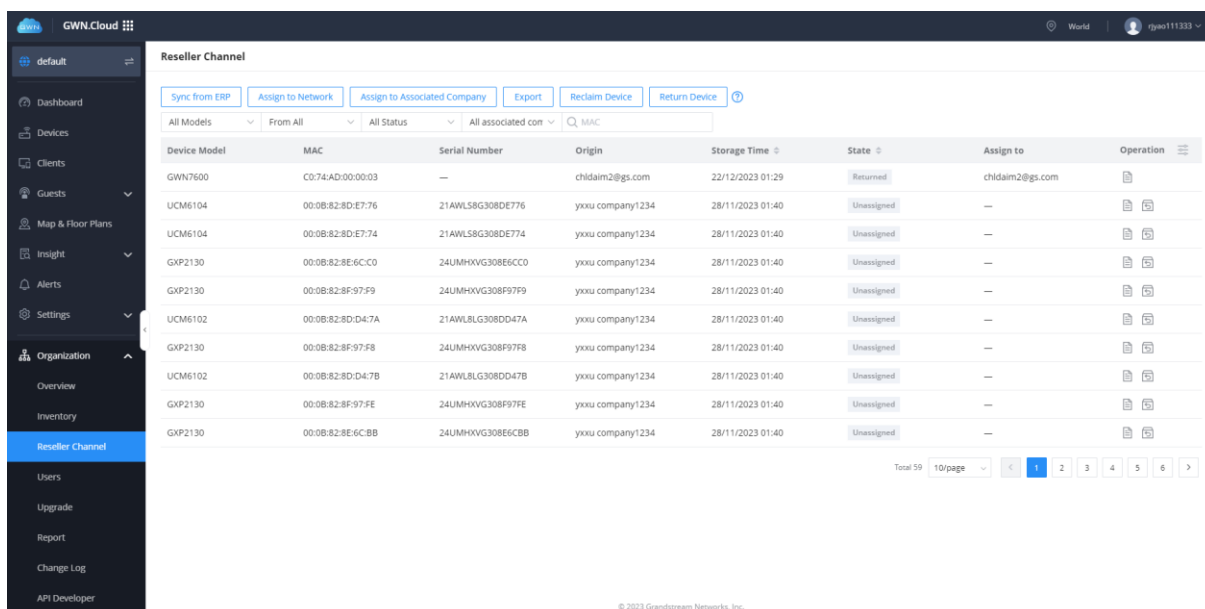
Total 33 10/page 1 2 3 4

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## • Reseller Channel

Added reseller channel to support the establishment of the hierarchy agent partnership, obtain device from ERP, and assign device to network groups or channels/agents.

1. Support first-level channel or agent to bind the ERP ID and sync the device.
2. Support assigning/returning/relaiming device to network or associated company.



**Reseller Channel**

Sync from ERP Assign to Network Assign to Associated Company Export Reclaim Device Return Device

All Models From All All Status All associated com Q: MAC

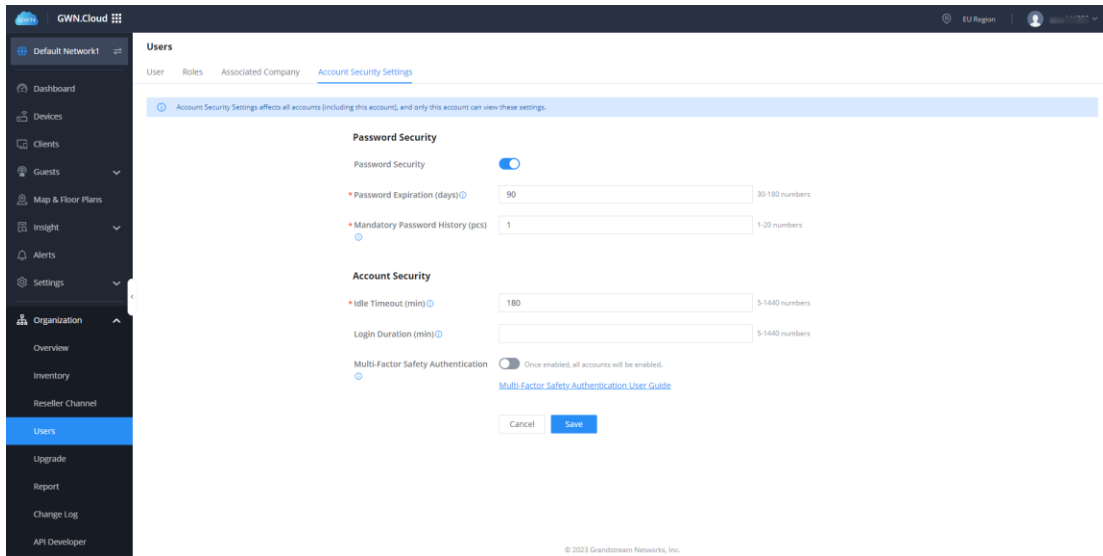
Device Model	MAC	Serial Number	Origin	Storage Time	State	Assign to	Operation
GWN7600	C0:74:AD:00:00:03	—	chidaim2@gs.com	22/12/2023 01:29	Returned	chidaim2@gs.com	
UCM6104	00:0B:82:8D:E7:76	21AWLS8G308DE776	yxuu company1234	28/11/2023 01:40	Unassigned	—	
UCM6104	00:0B:82:8D:E7:74	21AWLS8G308DE774	yxuu company1234	28/11/2023 01:40	Unassigned	—	
GXP2130	00:0B:82:8E:6C:C0	24UMHXVG308E6CC0	yxuu company1234	28/11/2023 01:40	Unassigned	—	
GXP2130	00:0B:82:8F:97:F9	24UMHXVG308F97F9	yxuu company1234	28/11/2023 01:40	Unassigned	—	
UCM6102	00:0B:82:8D:D4:7A	21AWL8LG308DD47A	yxuu company1234	28/11/2023 01:40	Unassigned	—	
GXP2130	00:0B:82:8F:97:F8	24UMHXVG308F97F8	yxuu company1234	28/11/2023 01:40	Unassigned	—	
UCM6102	00:0B:82:8D:D4:7B	21AWL8LG308DD47B	yxuu company1234	28/11/2023 01:40	Unassigned	—	
GXP2130	00:0B:82:8F:97:FE	24UMHXVG308F97FE	yxuu company1234	28/11/2023 01:40	Unassigned	—	
GXP2130	00:0B:82:8E:6C:BB	24UMHXVG308E6CBB	yxuu company1234	28/11/2023 01:40	Unassigned	—	

Total 59 10/page 1 2 3 4 5 6

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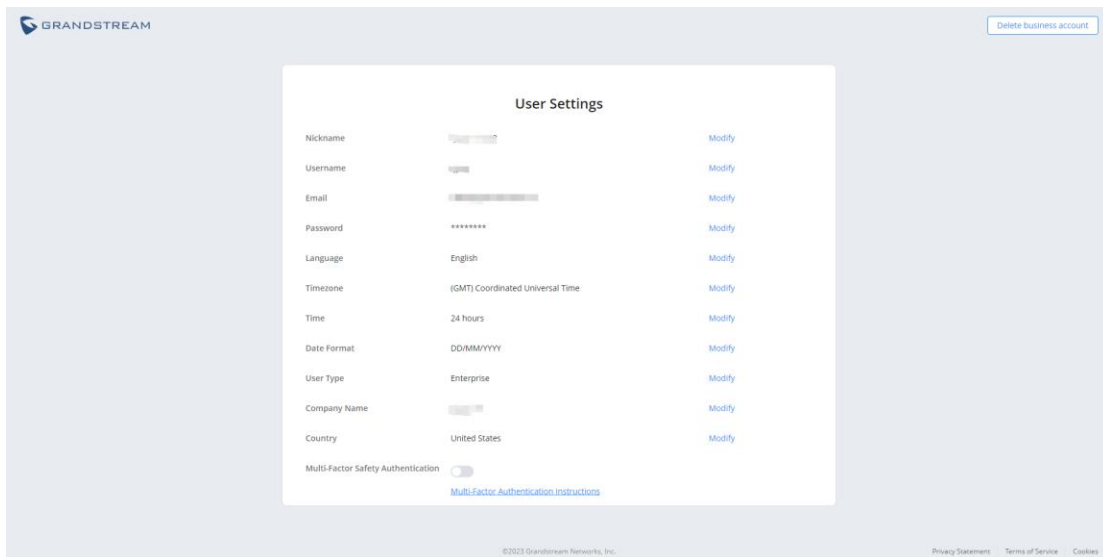
- **User Management**

Optimized user management, unified management of account and password security.



- **Personal Settings**

Optimized personal settings and added user type.



## FIRMWARE VERSION 1.1.26.11

### PRODUCT NAME

GWN.Cloud

### DATE

11/16/2023

### CHANGES/ENHANCEMENT

- Added GWN7665 support on GWN.cloud.
- Added Pre-Provisioning for Switch in device management for port Setting, port profile, and DHCP Snooping.
- Added remarks and serial number fields for device export.
- Added more default **Wall Types** and optimized attenuation values for Floor Plans.
- Added support for topology export.
- Added translations for heat map.
- Added MAC search field in Upgrade History.
- Added a column to display the network that the device was returned from.
- Added support for custom role users to login to GWN APP.
- Increased **Password Security**, added password expiration and conflict limits configuration.
- Supports hiding **Weak Heat Map** signal.
- Support 6G configuration (GWN7665 only for now)
- Removed SMTP Username/Password requirement.
- Fixed alerts not working on port profiles for GWN7806P.
- Fixed the AP search fails when the name of an AP contains the character "-".
- Fixed the configuration operations in the ChangeLog do not show more detail issue.
- Fixed GWN.cloud API network group ID displayed "network has no authority" issue.
- Internal bug fixes.

### NEW FEATURE OVERVIEW

- **Pre-Provisioning**

Added switch pre-provisioning for Port Settings, Port Profile, and Trust DHCP Snooping.

The services of the device group will be applied to the subsequent new devices.

\* Name  1-64 characters  
 \* Parent Group   
 Device   
 Remark  0-64 characters

#### Switch Pre-Provisioning

Only applies to the switches added the first time.

Port Settings  Port Profile  Trust DHCP Snooping

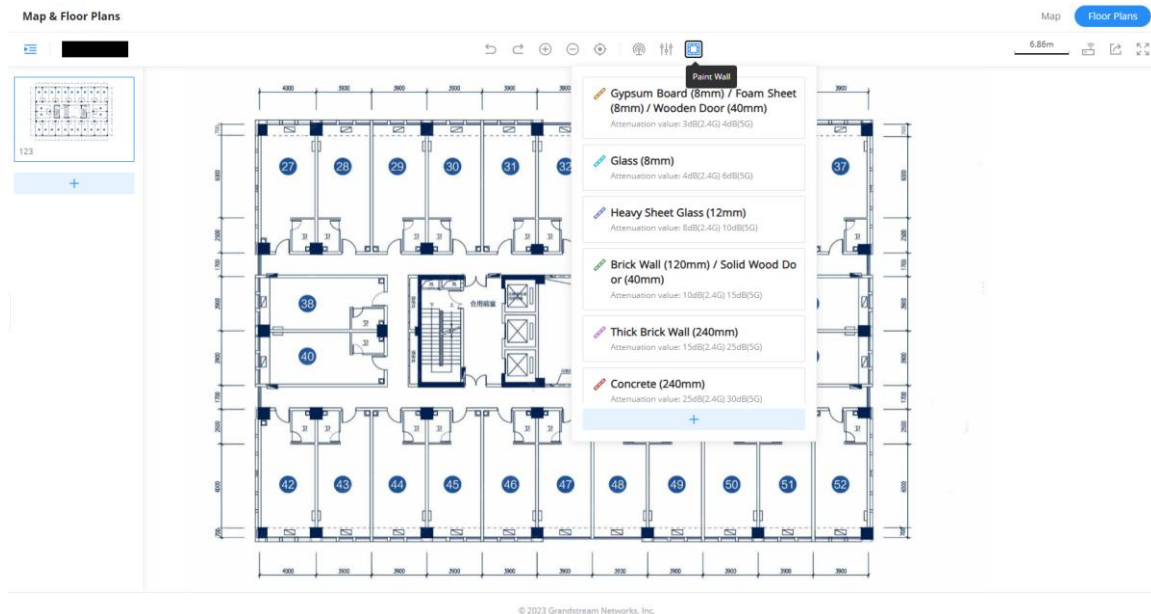
Add New Item +

CLI Command

© 2023 Grandstream Networks, Inc.

## Wall Types

Added default wall type and optimized the attenuation values.



© 2023 Grandstream Networks, Inc.

## Password Security

Added password expiration days and mandatory password history.

Password Expiration – The days before a change of password is required.

Mandatory Password History – The number of new passwords needed before the old password can be re-used.

**GWN.Cloud**

**Personal Settings**

Password: [REDACTED]

Language: [REDACTED]

Time Zone: (GMT) Coordinated Universal Time

Time: 24 hours

Date: YYYY-MM-DD

Company: [REDACTED] 0-128 characters

Country/Region: [REDACTED]

Role: Super Administrator

**Security**

Account Login Timeout: [REDACTED]

**Password Security**

• Password Expiration (days): 90 30-180 numbers

• Mandatory Password History (pcs): 1 1-20 numbers

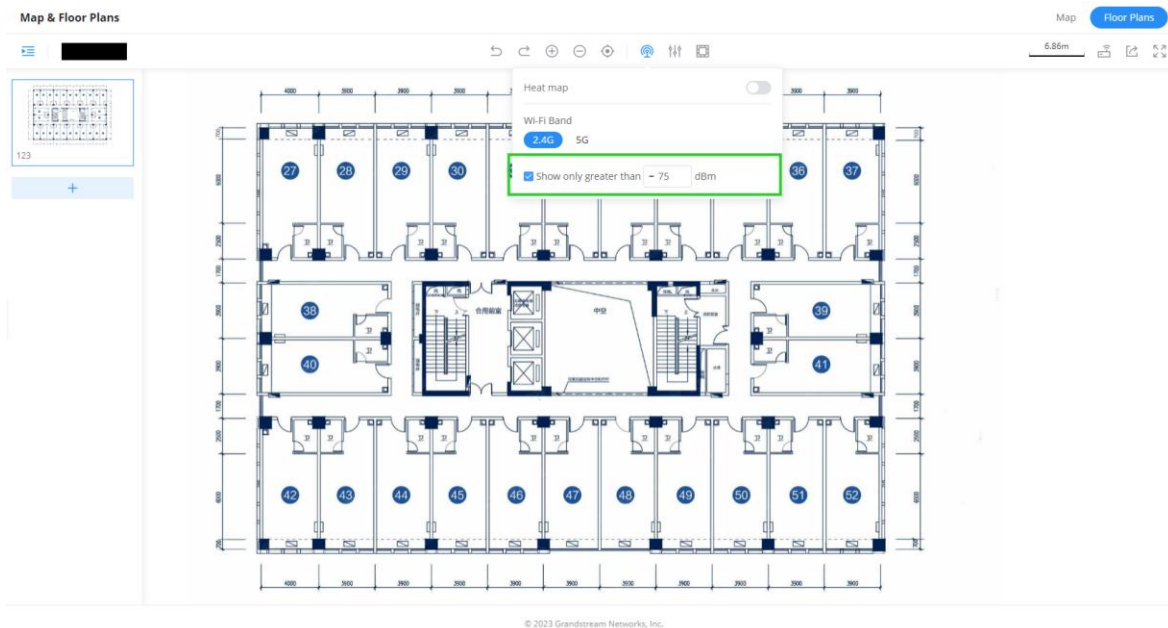
Multi-Factor Safety Authentication: [REDACTED] Software Token Authentication

[Multi-Factor Safety Authentication User Guide](#)

Cancel Save

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- **Weak Heat Map**  
Support hiding weaker heat map signals.



- **Support 6G**  
Added 6G support for some of the AP models. **GWN7665 only.**

## Wi-Fi

▲ Global Radio Settings

General ▼

2.4G (802.11b/g/n/ax) ▼

5G (802.11a/n/ac/ax) ▼

6G (802.11ax) ^

Channel Width ⓘ

☐ 20MHz ☐ 40MHz ☒ 80MHz ☐ 160MHz

Channel ⓘ

Dynamically Assigned by RRM

▼

Radio Power ⓘ

High

▼

Enable Short Guard Interval ⓘ

☒

Enable Minimum RSSI ⓘ

☒

\* Minimum RSSI (dBm) ⓘ

-94

-94 to -1 numbers

Enable Minimum Rate ⓘ

☒

Minimum Rate (Mbps) ⓘ

6Mbps

▼

Cancel

Save



## FIRMWARE VERSION 1.1.25.23

### PRODUCT NAME

GWN.Cloud

### DATE

09/22/2023

### CHANGES/ENHANCEMENT

- Added ability to set the Primary Network for cloud
- Added ability to retrieve Guest information with API commands
- Added ability to display the Wi-Fi version used in the client's information
- Added ability to automatically generate domain names for **Cloud DDNS** service
- Added ability to **Customize the Channel** in 2.4G band
- Added ability to disable the **Router LAN** ports
- Added ability to **Push Configuration** to the local side of the device, the push method includes manual and automatic
- Added ability to configure the router/switch device password from GWN.cloud
- Added ability to support batch or single configuration for the **Device Password**
- Added ability to highlight mesh devices in Network Topology
- Added ability to run network speed test for AP
- Added ability to configure Port Profile for Device Group
- Added Floor Plan management features, support device RF heat map preview and device placement planning
- Added features of multiple **VPN Tunneling** methods: PPTP, IPSec, OpenVPN®, and WireGuard®
- Added an option to enable/disable the configuration preset
- Added Wi-Fi 6 icon next to the supported APs in the Device Page
- Added ability to display the router's LAN IP address
- Added a signal strength description in the client info section
- Added support to allow a separate syslog server for real time URL access log feed
- Added ability to download multiple reports at once
- Added a new feature of **VLAN Interface** configuration for routers
- Added **Device Group** management, pre-set features for switches in the group, and a new way to select device group in multiple businesses
- Added 12-hour **Network Health Monitoring** for WAN ports
- Added API support for Device Name and Equipment Remarks
- Added multilanguage support for GWN App
- Added managed router **Portal Policy** feature
- Added device name in the syslog message
- Added **Policy Route** feature
- Added Email alerts when VPN connect/disconnect
- Added new alerts: Abnormal device time, Abnormal temperature of the optical module, and VPN related alerts
- Added the feature to manage multiple routers at the same time on the same network
- Added manual and automatic configuration support for **IPsec** (Site-to-Site)
- Added **Certificate Management** support
- Included Network Name in the alert email
- Optimized **Account Security** settings

- Optimized Client List, supports quick configuration of blocking functions, optimized RSSI display, and added VLAN ID column
- Optimized DHCP option settings for LAN
- Optimized portal policy, increased the max client expiration time and configured the URL pre-shared key for Aiwifi Platform
- Fixed the “Set addLan failed (reason: Invalid IPv6 address)” issue
- Fixed Hebrew translation
- Fixed captive portal not loading issue
- Fixed account status display error
- Fixed unable to add switch issue
- Fixed captive portal blank export issue
- Fixed web crashing when trying to add more MAC addresses into the MAC group
- Internal bug fixes

## NEW FEATURE OVERVIEW

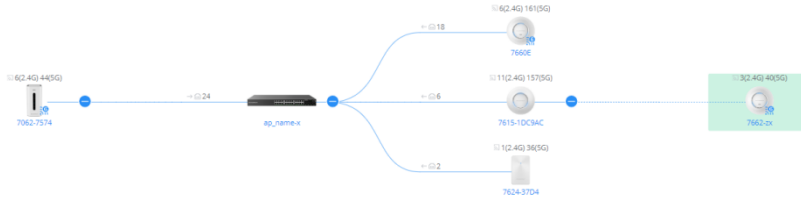
- **Floor Plan**  
 Added floor plan management features, support device RF heat map preview, convenient device placement planning.



- **Topology**  
 Optimized topology diagram highlights the mesh display, VLAN information filtering, and the device overview information.

#### Network Topology

All VLANs



Q Device Name/MAC

Show All Device ☐

☒ Online

☐ Offline

**Highlight Mesh AP ☒**

Clients

☐ 2.4G Wi-Fi

☐ 5G Wi-Fi

☐ Wired

Wireless

☒ Channel

☒ RSSI

☒ SSID

☒ Station Mode

Wired

☒ Port In / Port Out

### • Device Password

Added the ability to support batch or single configuration for the device password.

#### Single:

Devices > C0:74:AD:7C:75:1C(GWN 7062)

Usage Info Debug Configuration

Auto Configuration Delivery ☒

#### General

Device name  0-64 characters

Device Remarks  0-64 characters

**Device Password**  8-32 characters, must include two of the following: numbers, letters and special characters

LED

Reboot

Band Steering

#### Batch:

System

#### General

Country/Region

Timezone

Auto Sync Time ☐

\* AP Login Password  8-32 characters, must include two of the following: numbers, letters and special characters

**Device Password**  8-32 characters, must include two of the following: numbers, letters and special characters

LED

Reboot Schedule

Enable Client Connection Event ☐

Presence API ☐

Automatically add to SSIDs ☒

URL Access Log ☐

Guest Information ☐

NAT Pool ☐

- **Account Security**

Optimized account login security settings.

**Personal Settings**

Time Zone	(GMT+08:00) Beijing, Chongqing, Hong Kong SAR, Urumqi
Time	24 hours
Date	YYYY-MM-DD
Company	<input type="text"/> 0 to 128 characters
Country/Region	China(中国)
Phone	+1 <input type="text"/>
Address	<input type="text"/> 0 to 255 characters
Role	Initial Administrator

**Account Security** ^

Account Login Timeout ☒

\* Idle timeout (min)  5-1440 numbers

\* Maximum Login Duration(min)  5-720 numbers

Synchronize Maximum Login Duration for Sub-Administrators ☒

Multi-Factor Safety Authentication ☐ Software Token Authentication

[Multi-Factor Safety Authentication User Guide](#)

- **Router LAN**

Added the ability to disable the router LAN ports.

Port ^

Physical Port	Port Mode	Status	Port Configuration
1	LAN	<input checked="" type="checkbox"/>	All VLANs
2	LAN	<input checked="" type="checkbox"/>	All VLANs
3	WAN	<input checked="" type="checkbox"/>	
4	LAN	<input checked="" type="checkbox"/>	All VLANs
5	LAN	<input checked="" type="checkbox"/>	All VLANs
6	LAN	<input checked="" type="checkbox"/>	All VLANs

Device Password  8-32 characters, must include two of the following: numbers, letters and special characters

- **Customize the Channel**

Added the ability to customize the channel in 2.4G band.

2.4G (802.11b/g/n/ax) ^

Channel Width ☒ 20MHz ☐ 20MHz/40MHz ☐ 40MHz

Channel

Custom Channel

Radio Power

Enable Short Guard Interval ☐

Allow Legacy Devices(802.11b) ☐

Enable Minimum RSSI ☐

Enable Minimum Rate ☐

Wi-Fi5 Compatible Mode ☐

Select All

Ch1-2.412GHz ✓

Ch2-2.417GHz

Ch3-2.422GHz

Ch4-2.427GHz

Ch5-2.432GHz

Ch6-2.437GHz ✓

- **Device Group**

Added device group management, pre-set features for switches in the group, and a new way to select device group in the multiple business.

Devices > Group Management

Group name

Default

7002

7003

Default (d)

Move De

D

All Models

Name

**Add Device Group**

The services of the device group will be applied to the subsequent new devices.

\* Name  
1-64 characters

Parent Group  
None

Device

Remark  
0-64 characters

**Switch Pre-Provisioning** ^

☒ Only applies to the switches added the first time.

Port Profile  
None

CLI Command  
Enter the CLI command here, separate by Enter. Please use English and characters only, and use the # for comment.

Cancel Save

Internet &gt; Add WAN

\* WAN Name  1-64 characters

\* Router 

select
 

Router  
 GWN 7062(C0:74:AD:7C:75:1C)  
 GWN 7052(3)(C0:74:AD:95:11:FC)  
 GWN 7052F(C0:74:AD:B9:F0:CC)  
 Device Group [Device Group](#)  
 + Add New Device Group

\* Physical Port

Connection Type

Static DNS

\* Maximum Transmission Unit (MTU)  576-1500 numbers

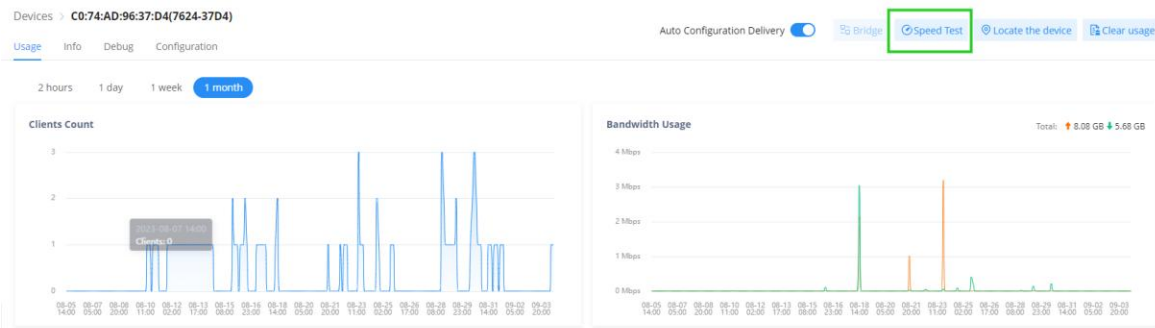
WAN Port MAC Address  Use Default MAC Address

\* Tracking IP Address 1  8.8.8.8

Tracking IP Address 2

## Speed Test

Added the ability to run network speed test for APs.




## Port Profile

Added the ability to configure port profiles for Device Group.

## Edit Device Group



 The services of the device group will be applied to the subsequent new devices.

### \* Name

1-64 characters

Default

### Parent Group


None

### Remark

0-64 characters

Default

### Switch Pre-Provisioning ^

 Only applies to the switches added the first time.

### Port Profile

None

### CLI Command

Enter the CLI commands here, separate by Enter. Please use English and characters only, and use the # key for comment line by default.

Cancel

Save

- Push Configuration**

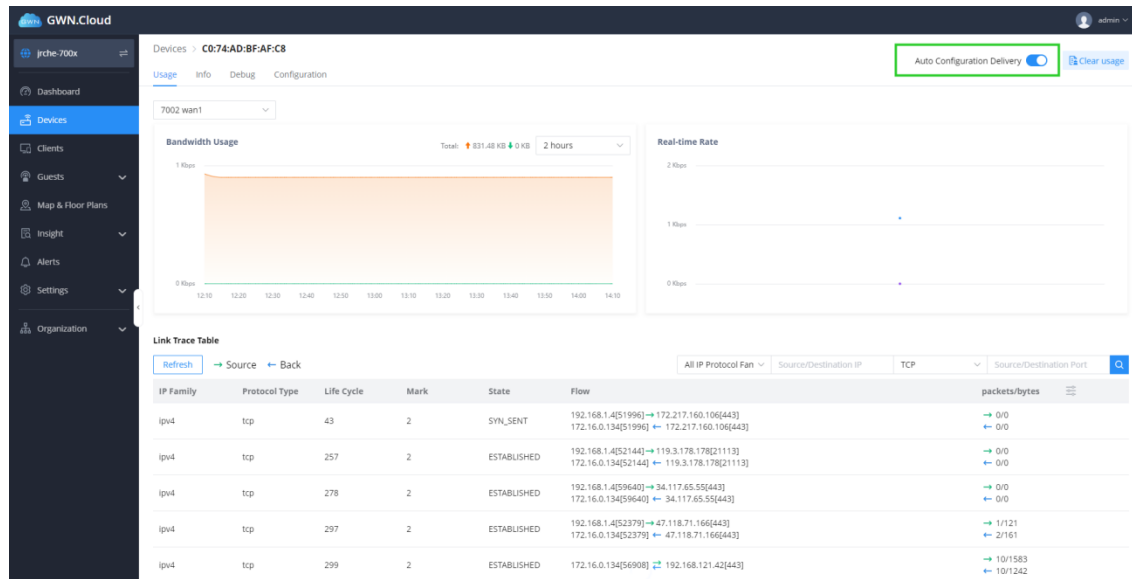
Added the feature of pushing cloud configuration to the local side of the device, and the push method includes manual and automatic.

**Manual:**

Devices						
<div> <span>Add</span> <span>Export</span> <span>Group Management</span> <span>More</span> </div>						
<input checked="" type="checkbox"/>	Device Model	MA	IP Address	IPv6 Address	Device Group	Firmware
<input type="checkbox"/>	GWN7002	CO:	192.168.8.1	fe80::c274:adff:febf:b066	7002	1.0.4.4
<input checked="" type="checkbox"/>	GWN7002	CO:	192.168.1.1	fe80::c274:adff:febf:afc9	7002	1.0.4.5
<input type="checkbox"/>	GWN7003	CO:	192.168.80.1	fe80::c274:adff:fe23:bf56	7003	1.0.4.5

- Configure
- Reboot
- Return
- Move
- Push Configuration
- Reset
- Delete

## Automatic:



- IPsec**

IPsec (Site-to-Site) supports both manual and automatic configuration.

VPN > Add IPsec

General

Mode

☒ Manual
 ☐ Auto

ⓘ If Auto is selected, the LAN subnet and WAN IP will be automatically set to the peer router, and will synchronize automatically after the change, and the IPsec link will not be disconnected due to the change of WAN IP

\* Name

1-64 characters

Status

☐ Once disabled, the associated VPN services will also be disabled.

\* Remote Address

\* Router

Select the router

\* Interface

Select WAN

\* Pre-shared Key

1-32 characters

\* Local Network

/

+

Add New Item

\* Remote Network

/

+

Add New Item

Advanced Settings

Cancel

Save

- VPN Tunneling**

Added features of multiple VPN tunneling methods such as PPTP, IPSec, OpenVPN®, and WireGuard®.



## VPN

▼ PPTP	<a href="#">+ Add</a>
▼ IPsec (Site-to-Site)	<a href="#">+ Add</a>
▼ OpenVPN®	<a href="#">+ Add</a>
▼ VPN User	<a href="#">+ Add</a>
▼ WireGuard®	<a href="#">+ Add</a>

## • Certificate Management

Added features of certificate management.

Profiles > **Add Certificate**

Type: ☒ CA Certificate ☐ Certificate

\* Name:  Support 1-64 letters and numbers

Key Length:

Digest Algorithm:

\* Expiration (D):  1-999999 numbers

SAN: ☒ None ☐ IP Address ☐ Domain

Country/Region:

\* State/Province:

\* City:

\* Organization:

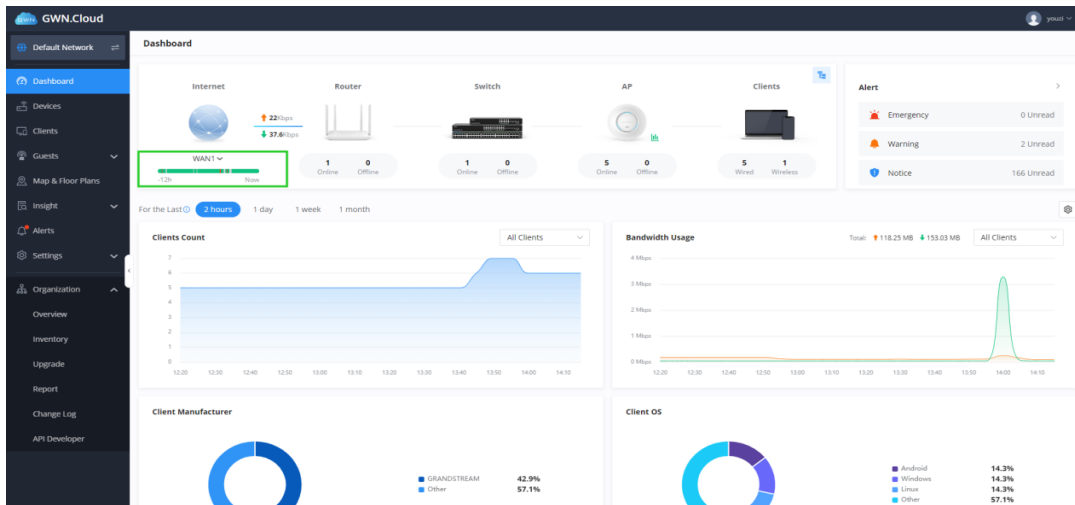
\* Organizational Unit:

\* Email:

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

## • Network Health Monitoring

Added a new feature for 12-hour network health monitoring of WAN ports.



## Internet

**WAN**

+ Add

WAN Name	Router	Physical Port	MAC	Connection Type	IP Address	Connect Duration	Network Health	Operation
WAN1 (Default)	7062-7574 C0:74:AD:7C:75:74	WAN	C0:74:AD:7C:75:78	Enter IP Manually (Static IP)	172.16.0.157	3h 39m	<div> <div></div> <div>-12h</div> <div>Now</div> </div>	⚙️
WAN2-yyzhao	7062-7574 C0:74:AD:7C:75:74	LAN4/WAN	C0:74:AD:7C:75:77	Obtain IP Automatically (DHCP)	-	-	<div> <div></div> <div>-12h</div> <div>Now</div> </div>	⚙️ 🗑️

**Internet Source**

+ Add

- Cloud DDNS**

Added the ability for Cloud DDNS service to automatically generate domain names.

Internet > **WAN1**

Sync

Tracking IP Address 2

VLAN Tag ☐

Multiple Public IP Addresses ☐

**IPv6**

IPv6 ☐

**DDNS**

DDNS ☐

Cloud DDNS ☒

Domain

gpmkxdu.gwn.ddns

Update

Copy

**DMZ**

Destination Group 

Select

DMZ Hostname IP 

The DMZ Hostname IP cannot be the same as the WAN's

**UPnP**

UPnP ☐

Cancel

Save

- VLAN Interface**

Added a new feature of VLAN interface configuration for routers.

## Add VLAN Interface



Before configuring the IP address, configure the default route for the device in the static route to prevent the VSwitch from losing the default route and unable to connect to the cloud.

### \* VLAN ⓘ

Select VLAN ID

### \* IPv4 Address/Prefix Length

Prefix length range 8-30

IPv6



Cancel

Save

## • Portal Policy

Added managed router Portal Policy feature.

Profiles > Add Portal Policy

* Name ⓘ	<input type="text"/>	1-64 characters
Splash page	<input type="text" value="Internal"/>	
* Client Expiration ⓘ	<input type="text" value="0"/> day(s) <input type="text" value="0"/> hour(s) <input type="text" value="0"/> minute(s)	
Client Idle Timeout ⓘ	<input type="text"/>	5-1440 numbers
Failsafe Mode ⓘ	<input type="checkbox"/>	
Daily Limit ⓘ	<input type="text" value="Disabled"/>	
* Splash Page Customization ⓘ	<input type="text" value="pwd"/>	
Landing Page ⓘ	<input type="text" value="Redirect to the original URL"/>	
Enable HTTPS Redirection ⓘ	<input type="checkbox"/>	
Enable Secure Portal ⓘ	<input type="checkbox"/>	
Pre Authentication Rule(s) ⓘ	<div> <div>Destination</div> <div>Service</div> </div> <div> <input type="text" value="Select Destination"/> <input type="text" value="Select Service"/> </div>	<div>+</div> <div>Add New Authentication Rule</div>
Post Authentication Rule Type ⓘ	<input type="text" value="Blocklist"/>	
Post Authentication Rule(s) ⓘ	<div>Destination</div> <div>Service</div> <div> <input type="text"/> <input type="text"/> </div>	<div>+</div>
	<div>Cancel</div> <div>Save</div>	

- **Policy Route**

Added policy route feature.

Traffic Management > Add Policy Route

---

\* Name

1-64 characters

Status

☐

IP Family

☒ IPv4

Protocol Type

All

\* Router

7062-7574(C0:74:AD:7C:75:74)

\* Source Group

All

Source IP Address/Mask Length

/

Destination IP address/mask length

/

\* Internet Source

Select

Schedule

None

Cancel

Save

- **Client List**

Optimized client list, supports quick configuration of blocking functions, optimized RSSI display, and added VLAN ID column.

Clients

Export

Now Online All Clients Q MAC/SSID/IP

Hostname	Connection	SSID	VLAN ID	IP Address	Wi-Fi Band	Total	RSSI	Associated Devices	Station Mode	Connection Time	Operation
HONOR_20 B2:02:BE:2D:56:68	Wireless	yyzhao	—	192.168.62.238	5GHz	58.35 MB	-52	7660E C0:74:AD:F0:3F:18	11AC_VHT80	13m	
DESKTOP-TDIN07K 84:5C:F3:7A:D3:E8	Wireless	yyzhao	—	192.168.62.132	5GHz	12.75 MB	-55	7660E C0:74:AD:F0:3F:18	11AC_VHT80	14m	

## FIRMWARE VERSION 1.1.24.23

### PRODUCT NAME

GWN.Cloud

### DATE

05/19/2023

### CHANGES/ENHANCEMENT

- (Beta) Added the unified management for model of GWN7801(P) , GWN7802(P) , GWN7803(P)
- Added the support for Device Information, Configuration, and Debug under Device menu for GWN switch models
- Added the support for GWN switches & port configurations through Global Switch Settings and Port Profiles
- Added the support for GWN switches in Topology (including wired devices hierarchy relationship)
- Added the support of GWN switches' Alert events
- Added a new feature of user role management and customizable role privilege
- Added a new feature of Organization Overview
- Added a new feature of Map for device location management
- Added a new feature of AP batch configuration
- Added a new feature of displaying Change logs' content details
- Added a new feature of transferring management permission for shared Network
- Added a new feature of restricting APIs to specific networks
- Added a new feature of batch firmware upgrade for different GWN models to recommended version
- Added a new feature of disabling AP's Ports
- Added a new feature of Limit by Authentication Type for Daily Limit of Captive Portal
- Added a new feature of Active Directory into Splash Page Logging Components
- Added a new feature of grouping top website statistic by Main Domain than URL
- Added a new feature of PPSK With Radius into SSID Security Type
- Optimized web UI user experience
- Internal bug fixes

## **FIRMWARE VERSION 1.1.23.43**

### **PRODUCT NAME**

GWN.Cloud

### **DATE**

03/06/2023

### **CHANGES/ENHANCEMENT**

- Fixed an issue of SSID assignment
- Fixed an issue of service error response that found on the mesh topology
- Added support of mesh for GWN Wi-Fi router as CAP on GWN.cloud/GWN.Manager
- Added Client Bridge feature back
- Added online and offline status filter for devices
- Optimized performance for data chart and service interface
- Internal bug fixes

## **FIRMWARE VERSION 1.1.23.36**

### **PRODUCT NAME**

GWN.Cloud

### **DATE**

01/06/2023

### **CHANGES/ENHANCEMENT**

- Added multi-language support for new UI
- Internal bug fixes

## **FIRMWARE VERSION 1.1.23.29**

### **PRODUCT NAME**

GWN.Cloud and GWN Manager

### **DATE**

12/28/2022

### **CHANGES/ENHANCEMENT**

- New Dashboard design
- New UI hierarchy
- New Alerts design and support more alert events
- Added support of GWN Router (GWN7052 & GWN7062) unified management
- Added support of Network Topology (MESH topology is combined into Network Topology)
- Added support of Inventory feature (only to platform admin)
- Optimized MESH feature (combined Client Bridge feature), and removed Client Bridge
- Optimized clients display, integrate the old known Clients into Clients page
- Optimized SSID Security type
- Fixed some internal bugs