NGS Series 9.0.2.3 Firmware Update

Available Firmware

9.0.2.2 (792e5cfa572315384e8908071dd3da05fd4a0300)

Supported hardware models

The NGS 9.0.2.3 release supports the following platforms.

Installation instructions

1. After the update is installed, the system will automatically restart twice. Please wait 3-5 minutes.

Upgrade Notes

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※Configuration※

Administration→

(01) Adds 2-Step Verification to [Administrator > Add] .

(02) Adds "Enabled", "Account Expiration Date",
and "Password cannot be the same as old one(s)" to [Administrator > Add] .

(03) Adds "Smart Clear Settings" to [Clear Data] .

(04) Adds "Advanced Protection" and "SSL VPN Log" to [Clear Data] .

(05) Adds "Intranet Protection Log" and "SSL VPN Log" to [Data Retention Period] .

Upgrade→

Adjusts display setting of "Automatic firmware upgrade" .

Notification→

Adds "Abnormal system shutdown".

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AP Management→

(01)   Supports the following models:

   Zyxel: NWA50-AX, WAX610D, NWA90-AX, NWA210-AX, and WAX510D.

   Netgear: WAC510.

(02)   Sorts the AP model list in alphabetical order.

Signature Update→

   Supports importing signatures with USB sticks.

   (ps. application control supports licensed packets only) .

SSL Certificate→

   Adds "Let's Encrypt Certificate" to [SSL Certificate Set].

   It can sync with DNS TXT setting on the host.

UPS→

   Adds a "Low Battery" tip.

※**Network**※

Zone Setting→

(01)   Sorts the "Speed and Duplex" log by dates (new to old) .

(02)   Adjusts the display unit of 1G at the "Speed and Duplex Mode".

Interface→

(01)   Adds [IPv6] DHCPv6 static binding.

(02)   Adjusts an alert message to remind the default gateway will be changed after IP is changed.

(03)   Adjusts [IPv6] Radvd, and DHCPv6 configuration is moved to [Service > DHCP] .

Route→

(01)   Adds "Line Detection Method" to [Default Gateway > Add] .

(02)   Adds a [BGP] page.

(03)   Adjusts name item into editable at [Static Routing > Edit] .

(04)   Adjusts log display unit to "Second" at [Designated Gateway] .

(05)　Replaces [Dynamic Route] with [RIP] and [Dynamic Routing List.

PPPoE→
(01)　Adds　"Line Detection Method"　to [PPPoE > Add] .
(02)　Adjusts　"Enable Static"　at [Network > Interface] to change accordingly at [PPPoE > Add] .

WWAN→
　　　Adjusts settings and displayed information.

Interrupt→
　　　Adjusts settings and displayed information.

※**Policy**※
Security Policy→
(01)　Adds WWAN items to Destination [Incoming > Add] .
(02)　Adds IP options to [IPv6 > Add > Source & Destination] .
(03)　Adjusts "mbytes"　to be the unit of　"Max. Quota" .
(04)　Adds ID to policies for identification purposes.

SD-WAN Policy→
　　　Fixes checked　"NAT"　service is invalid at [Add] .

※**Object**※
IP Address→
(01)　Adds　"User Defined Domain"　to [IP Address > Mode] .
(02)　Adds　"export"　function to log at [IP Address > Export/Import > Export] .
(03)　Adds　"processing efficiency"　to the list at [IP Address Group > Add] .
(04) Adjusts mask rules can be searched if users have　"/"　added to the suffix and search at
[IP Address > User Define] .

Schedule→

(01) Adds "Mode 3 (select time via sheets)" to [Schedule List > Setting Mode > Add] .

(02) Adjusts schedule name item into editable at [Schedule List > Add] .

QoS→

Adjusts QoS name item into editable at [QoS List > Add] .

Application Control→

(01) Adjusts to display checked items at [Application > Add] .

(02) Adjusts "Group Name " to be editable at [Application > Edit] .

DNS Filter→

Adds "export" function to [Block Log] .

Firewall Protection→

(01) Adds country to IP information at [Attack Log] .

(02) Adds "interface" and "protocol" to search conditions at [Attack Log] .

(03) Adds blocked IP list of SYN/ICMP/UDP Attacks to [Firewall Protection > General
　　　　 Settings> Unblock IP] .

Authentication→

(01) Adds "Delay a page redirect after successful login" to [Page Settings > Default Page.

(02) Adds 2-Step Verification to [Local User > Add] .

(03) Adds 2-Step Verification to [POP3, IMAP, RADIUS User > Server Lists > Add] .

(04) Assign user criteria to search source at [User Group > Add] .

(05) Adds notes to "Authentication Mode Setting" at [Auth Setting] .

(06) Optimizes AD server connection speed at [AD User] .

(07) Adds error and alert message to [POP3, IMAP, RADIUS User > Import] .

※**Service**※

DHCP→

Optimizes page load speed of the DHCP User List.

DDNS→

Removes service status here, and displays at the homepage instead.

SNMP→

(01) Adds SNMPv1/v2.
(02) Replaces "Service Status & Running After Reboot" option with "SNMP Agent : Enable".

DNS Server→

(01) Adds "export" function to [Domain] .
(02) Adjusts the [MX] "mail server" field into editable at [Domain > Add] .

Anti-Virus Engine→

(01) Supports updating virus signatures database offline using USB flash drives at [Kaspersky Engine] (ps Kaspersky version must update to v8.9.2) .
(02) Adds to display a notification informing about the new Kaspersky version at the homepage.
(03) Adjusts "Virus Engine" settings at [ClamAV Engine/Kaspersky Engine] .
(04) Moves license items to "License Info" .
(05) Fixes virus signatures database update failure at [ClamAV Engine] .
(06) Fixes missing log at [Kaspersky Engine] .
(07) Fixes repeated execution under certain conditions at [Kaspersky Engine] .
(08) Fixes suspended service after certain signature updates at [Kaspersky Engine] .

Sandstorm→

(01) Adds IP Setting to [Sandstorm] .
(02) Adds country code to IP information at [Sandstorm Record > Details] .

High Availability→

Fixes configuration synchronism failure at [Configuration > Reboot & Power Off > Auto Reboot] .

Remote Syslog→

(01)　　Adds App ID (CEF: cn1=%u; General: APP=%u) .

(02)　　Adjusts operation log field name from "SMTP MAIL SET ID" to "NotificationID"
　　　　 (Log Format : General) at [Configuration > Notification > SMTP Server] .

(03)　　Adjusts operation log field name from "IPSec Tunnel ID" to "SD-WAN ID"
　　　　(Log Format : General) at [VPN > SD-WAN] .

(04)　　Adjusts operation log field name from "HERHSIANGStaticRouting(IPv6)" to
　　　　　　"HERHSIANGStaticRouting" (Log Format : CEF) at [IPv6][Network > Route] .

(05)　　Adjusts operation log field name into 〝VPN Tunnel Name〞
　　　　　　 (Log Format : General) at [VPN > IPSec Tunnel > Export] .

※Advanced Protection※

Anomaly IP Analysis→

(01)　　Adjusts max. session to 1G (1000000) at [Block Anomaly > Basic Setting] .

(02)　　Adds Gbps to display unit at [Anomaly Log] .

Switch→

　　　　Sorts the switch model list in alphabetical order. .

※WAF※

WAF Setting→

　　　　Adds max number of items and connections to 〝Server Name〞 based on models at
　　　　　　[Website Management] .

Mail Security→

(01)　　Adds 〝Enable POP3s〞 to [Filter & Log > Retrieve Mail Anti-Virus and Audit and
　　　　　　Anti-Spam and Backup] .

(02)　　Adds a [Mail SSL Certification Set] page .

(03)　　Adds 〝Mail File Backup Type〞 to [Filter & Log] .

Anti-Virus→

　　　　 Adds 〝Delete attachment files〞 to [Action Taken on Infected Mail] .

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Anti-Spam→

(01)   Adds a [SPF Check] page .

(02)   Adds tips to help with Blacklist & Whitelist settings.

Mail Audit→

(01)   Adds "Search" & "Unblock" to [Audit Advanced Setting > IP Block Setting] .
(02)   Adjusts max value of "Block Time for (secs)" to be 10000000 at [Audit Advanced Setting] .
(03)   Adjusts max value of "Permanent Block after (times)" to be 10000000 at [Audit Advanced Setting] .
(04)   Adjusts to display "Unblock IP" with a popup at [Audit Advanced Setting] .

Mail Log→

(01)   Adds "Spam Score" to [Today Mail/Mail Search Result > Details] .
(02)   Adds colors to identify the source of "Response" and description at [Today Mail/Mail Search Result > Details] .

SMTP Log→

        Adds "Sender IP Address" and "Recipient IP Address"
            [SMTP Log Search Result > Search Condition] .

※**Content Record**※

WEB Record→

        Adds fields to logs such as "Computer name", "IP Address", and "Auth. Users" to [Export] .

※**VPN**※

IPSec Tunnel→

(01)   Adds "Enable Routing" to [VPN Tunnels > Add/Edit] .
(02)   Adds "DH Group" to "IPSec Setting (Phase 2)" > "Perfect Forward Secrecy (PFS) :

Yes" at [VPN Tunnels > Add/Edit] .

(03)   Adjusts default encryption to "AES" & "SHA1".

(04)   Removes IKE Setting (Phase 1) > ISAKMP : "Auto Matching" at [Auto VPN Server] .

(05)   Removed IKE Setting (Phase 2) > IPSec : " Auto Matching "at [Auto VPN Server] .

PPTP Server→

(01)   Adds ranking to accounts at [PPTP Account List] .

(02)   Adds notes for deleting accounts at [PPTP Account List > Delete] .

(03)   Adds to display "year" to the time field at [PPTP Account List > Log] .

(04)   Adds tips to special characters in accounts and password at
            [PPTP Account List > Add/Edit] .

SSLVPN Server→

(01)   Adds 2-Step Verification to [Local & POP3 & IMAP users] .

(02)   Adds ranking to "Authentication Group" at [Client SSL VPN List] .

(03)   Adds ranking to "User Account" [Client SSL VPN List > User Management]

(04)   Adds a [Software Download Page Setting] page.

(05)   Adjusts display setting of "Local Interface/Client connection" and adds IPSec setting and
            customization options at [SSL VPN Setup] .

(06)   Renames [SSL VPN Log] into[SSL VPN Status],and a new [SSL VPN Log] page is for
            searching history log.

L2TP→

(01)   Sorts the Account List in order.

(02)   Adds a notes for deleting accounts at [Account List > Delete] .

(03)   Adds tips to special characters in accounts and password at [Account List > Add] .

※**Tools**※

Connection Test→

(01)   Adds "Define Port" to [Port Scan > Port Scan Setting] .

(02)   Adds WWAN options to "Source Interface" at [Ping/Trace Route/Port Scan] .

Capture Packet→

(01)   Adds time stamp to file name at [Schedule List/Completed List > Log] .

(02)   Adds file size units like Kbytes & MBytes to [Schedule List/Completed List] .

※**Status**※

System Status→

     Adds configurations to [History Status > Search Object(s) > Select All] .

Flow Analysis→

(01)   Adds configuration to "Search Type" : "By Flow/By session" at [Flow Rank Search] .

(02)   Allows to select multiple choices for "Search Condition" : "Application" at
     [Flow Rank Search] .

(03)   Adjusts the "Computer Name" field to be editable based on "Address" .

Dashboard→

     Adds country to IP information at [Firewall Protection] .

※**Others**※

(01)   Adds an error message to alert database recovery failure on UI.

(02)   Adjusts the display unit to have TB at flow statistics.

(03)   Adds logs to LCD screen operation.

(04)   Adds "apache_port_def"/"apache_port_set" commends to reset/setup management port at
     to.

※**Console**※

(01)   Adds logs to Console operation.

(02)   Improves some English texts on UI.

(03)   Applies the same font styles on the homepage.

(04)   Adjusts the display unit to show until 1 decimal digit at [UI > Homepage > Data Space Used] .

(05)   Adds ” management IP” field to [UI > Homepage > Online Users (in the upper right-hand
     side)] .

(06) Adds IPv6 configuration to [UI > Wizard > WAN] .

(07) Removes the popup login window after execution at [UI > Wizard] .

(08) Updates the local IP database.

(09) Improves encryption algorithm for better password and data storage on the system

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