

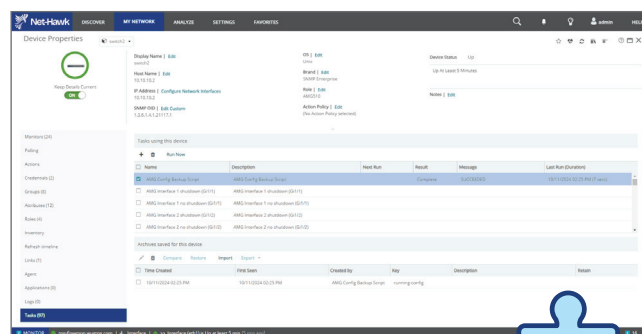
AMG NET-HAWK™ CONFIGURATION MANAGEMENT PLUGIN

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Software Solutions

AMG's Net-Hawk™ Configuration Management Plugin extends the functionality of the Net-Hawk™ Premium software to include centralized management and audits of network device configurations along with support for remote action scripting and control of devices.



[AMG Net-Hawk Configuration Management Plugin]

OVERVIEW

The AMG Net-Hawk™ Configuration Management plugin is available as an add-on to the Net-Hawk™ Premium unified network monitoring platform offering automated configuration and change management for the routers, switches and firewalls on your network. It archives and audits network configurations, and alerts and reports on any changes. It enables network admins to ensure that all devices are running authorized configurations, to secure the network and comply with regulatory standards, and to reduce the time and costs associated with manual and repetitive configuration and change management tasks.

In addition the Net-Hawk™ Configuration Management plugin allows you to perform scripted actions on your network devices providing virtually limitless amounts of control. Perform actions such as port shutdowns, PoE resets, remote I/O triggering and network access restrictions. These actions can be performed manually or can be fully automated as actions based on defined monitoring criteria for example if a network camera is unresponsive automated remedial actions can be performed such as a remote PoE reset of the device.

Utilising an on-premise server ensures maximum security and flexibility for systems with no internet access.

FEATURES

- Automated device change management for any router, switch or firewall on your network
- Perform remote firmware updates along with configuration backup & restore functions
- Secure your network with policy audits and get alerted when a configuration change happens on any device
- Perform AMG device specific functions such as remote port control or PoE device resets
- Powerful task engine allows for any action to be performed either manually on demand or as a result of rule profiles in response to network events
- Automate configuration deployments or changes across large numbers of devices
- Device VLAN configuration manager allows for simple adjustment of layer 2 domains
- AMG's industry leading global technical services support included with the service agreement

Feature Highlights.

MANUAL OR AUTOMATED REMOTE DEVICE CONTROL USING TASKS

The Net-Hawk Task Library enables users to create and store multiple device tasks. These tasks can be simple actions such as enabling or disabling a port on a switch or shutting down the PoE on a port to force a remote device reset or opening and closing a contact closure on a remote device to perform an action such as turning on floodlights or opening a security gate. The actions can also be a complex set of instructions such as changing the access control list (ACL) rules on a device to permit or exclude certain traffic. With the task library managing all of these tasks and more becomes effortless.

Once tasks have been created the user can easily run any task manually from the device properties view or the tasks can be used as part of a schedule to trigger at certain dates/times or as actions based on the result of certain network conditions being detected for example if an edge device such as a network camera is detected as being offline the Net-Hawk software can be programmed to automatically take remedial action on this device such as resetting the PoE port on its corresponding switch without any manual user intervention required.

Configuration Management Task Library						
Name	Description	Type	Last Modified	Next Run	Last Run Status	Last Run (Duration)
Backup test		Schedule Disabled	09/10/2024 10:18 PM			
AMG Config Backup Script	AMG Config Backup Script	Schedule Disabled	09/10/2024 10:18 AM		Complete	09/10/2024 10:27 PM (7 sec)
test	test	Schedule Disabled	09/10/2024 09:44 AM		Complete	09/10/2024 10:18 AM (7 sec)
Add VLAN test	Add VLAN test	Schedule Disabled	09/10/2024 10:27 PM		Script Error	09/10/2024 01:03 PM (2 sec)
AMG Interface 1 shutdown...	AMG Interface 1 shutdown (G1/1)	Schedule Disabled	09/10/2024 11:45 AM		Script Error	09/10/2024 09:08 AM (27 sec)
AMG Interface 1 no shutdown...	AMG Interface 1 no shutdown (G1/1)	Schedule Disabled	09/10/2024 11:47 AM		Script Error	09/10/2024 10:07 AM (23 sec)
AMG Interface 2 shutdown...	AMG Interface 2 shutdown (G1/2)	Schedule Disabled	09/10/2024 11:47 AM			
AMG Interface 2 no shutdown...	AMG Interface 2 no shutdown (G1/2)	Schedule Disabled	09/10/2024 11:47 AM			
AMG Interface 3 shutdown...	AMG Interface 3 shutdown (G1/3)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 3 no shutdown...	AMG Interface 3 no shutdown (G1/3)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 4 shutdown...	AMG Interface 4 shutdown (G1/4)	Schedule Disabled	09/10/2024 11:48 AM		Complete	09/10/2024 10:13 AM (7 sec)
AMG Interface 4 no shutdown...	AMG Interface 4 no shutdown (G1/4)	Schedule Disabled	09/10/2024 11:48 AM		Complete	09/10/2024 12:04 PM (7 sec)
AMG Interface 5 shutdown...	AMG Interface 5 shutdown (G1/5)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 5 no shutdown...	AMG Interface 5 no shutdown (G1/5)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 6 shutdown...	AMG Interface 6 shutdown (G1/6)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 6 no shutdown...	AMG Interface 6 no shutdown (G1/6)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 7 shutdown...	AMG Interface 7 shutdown (G1/7)	Schedule Disabled	09/10/2024 11:48 AM			
AMG Interface 7 no shutdown...	AMG Interface 7 no shutdown (G1/7)	Schedule Disabled	09/10/2024 11:50 AM			
AMG Interface 8 shutdown...	AMG Interface 8 shutdown (G1/8)	Schedule Disabled	09/10/2024 11:50 AM			
AMG Interface 8 no shutdown...	AMG Interface 8 no shutdown (G1/8)	Schedule Disabled	09/10/2024 11:50 AM			
AMG 2.5 G Interface 1 shut...	AMG 2.5 G Interface 1 shutdown (2.5G1/1)	Schedule Disabled	09/10/2024 11:50 AM			
AMG 2.5 G Interface 1 no s...	AMG 2.5 G Interface 1 no shutdown (2.5G1/1)	Schedule Disabled	09/10/2024 11:51 AM			
AMG 2.5 G Interface 2 shut...	AMG 2.5 G Interface 2 shutdown (2.5G1/2)	Schedule Disabled	09/10/2024 11:51 AM		Complete	09/10/2024 01:13 PM (7 sec)
AMG 2.5 G Interface 2 no s...	AMG 2.5 G Interface 2 no shutdown (2.5G1/2)	Schedule Disabled	09/10/2024 11:51 AM			
AMG 2.5 G Interface 3 shut...	AMG 2.5 G Interface 3 shutdown (2.5G1/3)	Schedule Disabled	09/10/2024 11:52 AM			
AMG 2.5 G Interface 3 no s...	AMG 2.5 G Interface 3 no shutdown (2.5G1/3)	Schedule Disabled	09/10/2024 11:52 AM			
AMG Interface 9 shutdown...	AMG Interface 9 shutdown (G1/9)	Schedule Disabled	09/10/2024 12:09 PM			
AMG Interface 9 no shutdown...	AMG Interface 9 no shutdown (G1/9)	Schedule Disabled	09/10/2024 12:09 PM			
AMG Interface 10 shutdown...	AMG Interface 10 shutdown (G1/10)	Schedule Disabled	09/10/2024 12:09 PM			

VLAN MANAGEMENT

With growing networks, VLANs tend to sprawl, making VLAN management an essential feature of the Net-Hawk software. System-wide deployment and monitoring of VLANs is made much simpler, and with the VLAN manager users can automatically deploy configuration settings to groups of devices and ports.

VLAN Manager		
Device	SNMP / Telnet Credentials	SNMP Credentials
AMG070-HSRT-AG-35P080 - 10.10.10.40	Select Device...	public (SNMP-V1)
VLANs		
VLAN Index		
1	default	
2	VLAN2	
10	VLAN10	
Port VLAN Configuration		
Assign To	Add/Edit Trunk	Remove Trunk
Name	Description	VLAN
1	1	default
2	2	default
3	3	default
4	4	default
5	5	default
6	6	default
7	7	default
8	8	default
9	9	default
10	10	default
Commit Changes		

Tasks like backup/restore of configuration files, building configuration templates, adding/copying VLANs from one device to another, setting up and receiving notification and alerts are all made simple with the comprehensive, single-interface solution.

Net-Hawk offers comprehensive VLAN management capabilities. It has a flexible SNMP-based interface that allows automatic deployment of VLANs across multiple devices including both AMG

and 3rd party devices, along with simultaneous configuration at both ends of the trunk. Its automatic topology mapping allows visual illustrations of trunk configuration settings (the VLAN view option shows an explorer-style view of devices grouped as per their VLANs, as well as detailed VLAN device information).

ARCHIVE & RESTORE NETWORK CONFIGURATIONS

The Net-Hawk Configuration Management plugin provides central archiving of network configurations in a secure encrypted repository. Network admins can store multiple configurations for each device, including start-up and running configurations. New devices added to the network, can be simply deployed with a download of an archived configuration. If there is a problem, the device can be restored to a known good configuration, minimizing downtime. In both cases, this saves considerable time versus building configurations from scratch.

The Configuration Management plugin supports bulk configuration changes for multiple devices. For example, many organizations mandate monthly password changes to secure their network. A bulk change feature automates this process, rather than changing passwords one device at a time. Bulk changes and other tasks can be scheduled to run automatically or run manually on demand.



Features & Specifications.

Standard Features.

Automate Configuration Backup Schedule
Retain Historical Device Configurations
Mass Deployment Of Configuration Changes
Device VLAN Configuration Manager
Audit & Deploy Layer 2 Domains
Configuration Audit / Compliance
Device Firmware Update Capability
Automate Response To Network Events
Remote Fault Remediation
Device Configuration Change Alerts
Define Configuration Policies

AMG Advanced Features.

Custom Actions For AMG Devices
Port Control
Remote PoE Reset
Contact Closure I/O Control
Deploy Configuration On Greenfield AMG Switches

*Additional AMG Advanced Features Are Available With The Optional Net-Hawk Plugin Modules.

See Plugin Specific Datahsheets For More Information.

Server Hardware Requirements.

Processor	Quad Core
Processor Speed	2.6 GHz or higher
RAM	16 GB
Hard Drive	25 GB or higher free space
Network Card	100Mb minimum (1Gb preferred)
Sound Card	SAPI-capable for text-to-speech actions

Server Software Requirements.

Operating System	Windows Server 2022 Windows Server 2019 Windows Server 2016
Database	SQL Server 2022 Express Edition

Workstation Hardware Requirements.

Processor	Quad Core
RAM	8 GB
Video Display	1920×1080 or higher
Sound Card	SAPI-capable for text-to-speech actions

Workstation Software Requirements.

Supported Browsers	Microsoft Edge Google Chrome Mozilla Firefox
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Part Numbers.

Net-Hawk™ Configuration Management Plugin With 1 Year Service Agreement

AMGHWK-25-CMP1	Net-Hawk Configuration Management Plugin 25 New Devices with 1 Year Service
AMGHWK-50-CMP1	Net-Hawk Configuration Management Plugin 50 New Devices with 1 Year Service
AMGHWK-75-CMP1	Net-Hawk Configuration Management Plugin 75 New Devices with 1 Year Service
AMGHWK-100-CMP1	Net-Hawk Configuration Management Plugin 100 New Devices with 1 Year Service
AMGHWK-200-CMP1	Net-Hawk Configuration Management Plugin 200 New Devices with 1 Year Service
AMGHWK-300-CMP1	Net-Hawk Configuration Management Plugin 300 New Devices with 1 Year Service
AMGHWK-500-CMP1	Net-Hawk Configuration Management Plugin 500 New Devices with 1 Year Service

Net-Hawk™ Configuration Management Plugin With 2 Years Service Agreement

AMGHWK-25-CMP2	Net-Hawk Configuration Management Plugin 25 New Devices with 2 Years Service
AMGHWK-50-CMP2	Net-Hawk Configuration Management Plugin 50 New Devices with 2 Years Service
AMGHWK-75-CMP2	Net-Hawk Configuration Management Plugin 75 New Devices with 2 Years Service
AMGHWK-100-CMP2	Net-Hawk Configuration Management Plugin 100 New Devices with 2 Years Service
AMGHWK-200-CMP2	Net-Hawk Configuration Management Plugin 200 New Devices with 2 Years Service
AMGHWK-300-CMP2	Net-Hawk Configuration Management Plugin 300 New Devices with 2 Years Service
AMGHWK-500-CMP2	Net-Hawk Configuration Management Plugin 500 New Devices with 2 Years Service

Net-Hawk™ Configuration Management Plugin With 3 Years Service Agreement

AMGHWK-25-CMP3	Net-Hawk Configuration Management Plugin 25 New Devices with 3 Years Service
AMGHWK-50-CMP3	Net-Hawk Configuration Management Plugin 50 New Devices with 3 Years Service
AMGHWK-75-CMP3	Net-Hawk Configuration Management Plugin 75 New Devices with 3 Years Service
AMGHWK-100-CMP3	Net-Hawk Configuration Management Plugin 100 New Devices with 3 Years Service
AMGHWK-200-CMP3	Net-Hawk Configuration Management Plugin 200 New Devices with 3 Years Service
AMGHWK-300-CMP3	Net-Hawk Configuration Management Plugin 300 New Devices with 3 Years Service
AMGHWK-500-CMP3	Net-Hawk Configuration Management Plugin 500 New Devices with 3 Years Service

Note: The Configuration Management Plugin requires an AMG Net-Hawk Premium software license which is sold separately. Additional license options are available including new device additions for existing systems along with additional years of service. The AMG Professional Services team can provide assistance with installation, setup, configuration and training if required. Please contact your local AMG sales representative for further information.

Optional Plugins.

Net-Hawk Log Management Simple, integrated log collection, alerting and archiving for Net-Hawk Premium

Additional plugins are available. Please contact your local AMG sales representative for further information.

In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit www.amgsystems.com for the latest product specifications.

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