

Network Management Card 4 (NMC 4) Galaxy VS Firmware 6.72.0 & Galaxy VL Firmware 8.10.0 Release Notes

New Features in Galaxy VL Firmware 8.10.0

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For a list of features available in the NMC 4, refer to the [Network Management Card 4 Feature List](#).

Feature
Support added for RADIUS. NOTE: RADIUS configuration supports Password Authentication Protocol (PAP) and Challenge Handshake Authentication Protocol (CHAP).
You can now generate and download a debug dump for Technical Support.
You can now download and upload a user configuration file. NOTE: The upload and application of the configuration file, under certain circumstances, can take over 15 minutes to complete. During this time, the Upload/Download Capabilities on the User Config page in the Web UI will be disabled until the settings are uploaded and applied, or the timer expires.

New Features in Galaxy VS Firmware 6.72.0

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For a list of features available in the NMC 4, refer to the [Network Management Card 4 Feature List](#).

Feature
Support added for file downloads via SCP in StruxureWare Data Center Expert and EcoStruxure IT Expert. NOTE: If devices were previously added using FTP and you want to use SCP to download files, the devices must be deleted and then re-added using SCP. For more information on adding devices, consult your StruxureWare Data Center Expert and EcoStruxure IT Expert documentation.
Support added for TLS 1.3 and support removed for the less secure TLS 1.0. NOTE: If you are using PowerChute Network Shutdown, verify that TLS 1.3 is supported in the version of PowerChute you are using. If it is not supported, you cannot register your PowerChute client.
You can now add 50 PowerChute Network Shutdown clients to the NMC Web UI (the limit was previously 12).
New SNMP Object Identifier (OID) added (<code>upsAdvStateGalaxyVseriesSpecificFault</code>) and added support for advanced state of abnormal conditions to the <code>upsAdvStateAbnormalConditions</code> OID.
Event notifications can now be configured on a per-event basis.
When an FTP session is opened and no credentials are entered, the session will timeout after 60 seconds (the timeout duration was previously 3 minutes).

Fixed Issues in Galaxy VL Firmware 8.10.0

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Issue
When the mode is set to “DHCP Only” in the IPv4 Settings page in the Web UI, the DHCP IP settings are now correctly populated in the “Manual” mode section.
When the boot mode is changed from DHCP to manual in the CLI (using the <code>boot</code> command), the previously used static IP address is no longer incorrectly assigned.
The UPS About page in the Web UI now displays both the Power Rating and the Rated Power of the device. Previously, only the Installed Power Rating was displayed.

Fixed Issues in Galaxy VS Firmware 6.72.0

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Issue
When the DHCP server is unavailable, the NMC IP address no longer appears as an incorrect IP address.

Known Issues in Galaxy VL Firmware 8.10.0

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Issue
If Network Time Protocol (NTP) is enabled via the configuration file and the <code>NTPUpdateInterval</code> value in the configuration file is the same as the value already configured on the NMC, then the next NTP update will not occur. On the Web UI, the Next NTP Update value will display as “-1” and the status will be reported as “Unknown.” You can modify NTP settings via the Date/Time Mode page in the Web UI.
When a configuration file is uploaded with settings for the <code>[SystemDate/Time]</code> section where NTP is enabled and time keys (<code>CurrentDate</code> and <code>CurrentTime</code>) are included, the time does not get set correctly.
If the NMC is configured to use NTP updates as the time source, and a configuration file is uploaded with “ <code>NTPEnable = Disabled</code> ”, in some cases, the NTP update will remain configured as enabled after the configuration file upload.
When a configuration file is uploaded, occasionally the “Last Upload Status” on the User Config File page in the Web UI will be set to “Unable to read configuration file and apply settings” but the configurations will be correctly set with appropriate logs.
A message may appear in the Web UI indicating that the Super User account is locked. If the Web UI is refreshed immediately, it may then become inaccessible for a few seconds with a message on screen stating that access is forbidden. To resolve the issue, wait for a few seconds and then refresh the browser tab.

Issue
After uploading a configuration file, the Web UI may become inaccessible. To resolve the issue, reboot the NMC or change any web settings using the <code>web</code> command in the CLI.
When a configuration file is uploaded, in some cases, the IPv6 network settings are not applied. These can be applied manually via the Web UI or by uploading the same configuration file again.
When a configuration file is uploaded, in some cases, the PowerChute Network Shutdown settings are not applied. To resolve the issue, configure PowerChute once via the Web UI and upload the same configuration file again.
It is not possible to register a PowerChute client that is using IPv6 with the NMC.
It is not possible to generate a Technical Support debug file if you are logged into the NMC via RADIUS. You must log in as a local user to generate this file.
Disabling Syslog on a per-event basis does not work as expected. You can only disable Syslog using the event action per-group option in the Web UI.

Known Issues in Galaxy VS Firmware 6.72.0

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Issue
When the mode is set to “DHCP Only” in the IPv4 Settings page in the Web UI, the DHCP IP settings are incorrectly populated in the “Manual” mode section.
When the boot mode is changed from DHCP to manual in the CLI (using the <code>boot</code> command), the previously used static IP address is incorrectly assigned.
When the mode is set to “DHCP Only” in the IPv4 Settings page in the Web UI, the DHCP IP settings are incorrectly populated in the “Manual” mode section.
When the boot mode is changed from DHCP to manual in the CLI (using the <code>boot</code> command), the previously used static IP address is incorrectly assigned.

Known Issues in Galaxy VL Firmware 8.10.0 & Galaxy VS Firmware 6.72.0

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Issue
<p>After enabling the PowerChute Network Shutdown configuration on the NMC, while registering a PowerChute client with the NMC, you may receive the following error: "PowerChute is not receiving data from the Network Management Card." To resolve this, perform a reboot of the NMC by pressing the Reset button on its faceplate. You will then be able to register the NMC with PowerChute successfully.</p>
<p>The Battery Type may incorrectly be reported as "Value-regulated lead-acid, or maintenance-free" on the UPS Battery Measurements page in the Web UI when a Lithium-ion battery is used. The correct battery configuration can be confirmed in the Battery view on the UPS HMI display.</p>
<p>When the email recipient for notifications is modified while there is an active alarm, email notifications will continue to be sent to the old recipient for the active alarms until the alarm is cleared. Once the alarm is cleared, future email notifications will be sent to the new recipient.</p>
<p>No event is logged when an SSL certificate is removed via the SSL Certificate Configuration page in the Web UI. The "New self-signed certificate loaded" event will be logged if a new certificate is manually added or auto-generated if the old certificate is deleted or out of date.</p>
<p>After a firmware upgrade/downgrade, the alarm count may not match between the internal and optional NMC (AP9644). To resolve this issue, press the Reset button on the AP9644's faceplate.</p>
<p>You may be logged out unexpectedly from the Web UI if multiple Web UI tabs are open. This issue only occurs on Google Chrome.</p>
<p>After upgrading or downgrading the NMC's firmware, a device scan request may be required to synchronize data in StruxureWare Data Center Expert.</p>
<p>When a user's password is changed via the <code>user</code> command in the CLI and does not meet the password requirements, a parameter error is displayed instead of "Password did not meet the requirements for a strong password."</p>
<p>There are discrepancies between the current time displayed in the Web UI and the CLI. The <code>date</code> command in the CLI will report the current time in real-time, whereas the Web UI will display the browser's current time with respect to the UTC value set.</p> <p>NOTE: The UPS HMI will also display the current time in real-time.</p>
<p>The Configure Events screen in PowerChute Network Shutdown v4.3 displays the "Communication Established with EMC" and "Communication Lost with EMC" events. These events can be ignored as they are not supported.</p>
<p>When the optional NMC (AP9644) is inserted, some alarms and events are not logged on all the configured interfaces (traps, emails, Syslog, Event Log). For example, the "Lost Communication" alarm is not logged as an active alarm or sent as a trap/email.</p>
<p>When the Web UI is locally accessed via an internal IP address (169.254.251.1 / 169.254.252.1) and HTTP/HTTPS is disabled, you can no longer access the UI using the disabled protocol. For example, if HTTP is disabled, you cannot access the Web UI at http://169.254.252.1</p>
<p>When adding a rule via the Firewall Configuration page in the Web UI, the table incorrectly includes the IP/Range/Subnet column, which is not currently supported.</p>

Issue

The Notification Delay and Repeat Interval features for event actions do not behave as expected. For example, you may receive multiple notifications for an active event.

You cannot connect to SNMPv1 using an IPv6 address. Use SNMPv3 as an alternative.

When the DHCP server is unavailable, the NMC IP address appears as an incorrect IP address, instead of "0.0.0.0".

When you enter a **Primary DNS Server** address in the DNS Configuration page in the Web UI, the details entered will populate the **Active Primary DNS Server** and **Active Secondary DNS Server** sections. When you enter a **Secondary DNS Server** address and switch to this network, the **Primary DNS Server** address will now be populated in the **Active Tertiary DNS Server** section.

When you log out from the NMC serial console interface, the Current Sessions page in the Web UI still shows the session as active.

The Web UI can take 25-30 seconds to load using Microsoft Edge. This is a common issue with Microsoft Edge.

File Transfer Protocol (FTP) is not available over IPv6.

When credentials are provided in StruxureWare Data Center Expert after adding the NMC via SNMP, the NMC still requires login credentials when attempting to access the Web UI.

When using IPv6 with Internet Explorer 11, you can only use the fully qualified domain name (FQDN) to access the Web UI. This is a known issue with Internet Explorer 11.

Enabling IPv6 via the CLI console port interface may cause the console connection to unexpectedly disconnect.

When Auto Configuration is disabled in the IPv6 Settings page in the Web UI, the NMC still displays the card's IPv6 address and the card is accessible using a DHCP IPv6 address.

No browser warning message is displayed in the Web UI when navigating without saving your changes.

SNMPv3 Access Control filtering is not supported. Use the Firewall to control access to SNMPv3.

When viewing the Event Details page in the Web UI for an event, you cannot disable the logging of an event to the Event Log. However, the option is still present for mass configuration of events.

Issue
When accessing the Web UI using a smartphone, the Rule Configuration table on the Firewall Configuration page is not responsive.
When an SNMPv3 profile is enabled with a valid NMS IP/Host Name, you can connect to a MIB browser of another system and not the configured SNMP profile. NOTE: The only supported value for NMS IP/Host Name for SNMPv3 is "0.0.0.0".

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990-6147H-001

11-2021