

Eaton Vulnerability Advisory

ETN-VA-2025-1003: Path traversal vulnerability in Network Cards

Date	Overall Risk	CVSS v3.0
09/05/2025	Medium	4.7

Overview

A security vulnerability has been reported in network cards. The customers are requested to migrate to the secure version by updating their software. This patch fixes multiple security vulnerabilities with medium severity in Eaton Rack PDU G4 and Eaton NMC G2 network cards.

Vulnerability Details

[CVE-2025-48394](#) / [CVE-2025-48395](#)

CVSS v3.1 Base Score – 4.7 [CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:U/C:L/I:L/A:L](#)

An attacker with authenticated and privileged access could modify the contents of a non-sensitive file by traversing the path in the limited shell of the CLI.

Affected Product(s) and Version(s)

Eaton Rack PDU G4 - All versions up to 3.5.0

Eaton NMC G2 – All versions up to 2.2.0

Remediation & Mitigation

Remediation

- **Eaton Rack PDU G4** - Eaton has remediated these issues in the latest firmware release of Eaton Rack PDU G4 version 3.5.0. Please contact your local Eaton support executive or refer to the following link for the patched version – [link](#).
- **Eaton NMC G2** - A new firmware version 2.2.0 is released to patch the security issues. The new version can be downloaded from here – [link](#).

Eaton highly recommends that customers and/or end-users implement these patches as soon as possible.

Mitigation

Eaton recommends implementing the mitigation measures below only in the case where users are unable to apply the above patches:

- Restrict network access to the affected products by leveraging the IP whitelisting functionality.
- Ensure control system networks and remote devices are placed behind securely configured firewalls.

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- Restrict the SSH access to authorized users only.

Additionally, customers are requested to follow the cybersecurity best practices to further protect their devices, as outlined below.

General Security Best Practices

- Restrict exposure to external networks for all control system devices and/or systems and ensure that they are not directly accessible from the open Internet.
- Deploy control system networks and remote devices behind barrier devices (e.g. firewalls, data diodes) and isolate them from business networks.
- Remote access to control system networks should be made available on a strict need-to-use basis. Remote access should use secure methods, such as Virtual Private Networks (VPNs), updated to the most current version available.
- Regularly update/patch software/applications to latest versions available, as applicable.
- Enable audit logs on all devices and applications.
- Disable/deactivate unused communication channels, TCP/UDP ports and services (e.g., SNMP, FTP, BootP, DHCP, etc.) on networked devices.
- Create security zones for devices with common security requirements using barrier devices (e.g. firewalls, data diodes).
- Change default passwords following initial startup. Use complex secure passwords or passphrases.
- Perform regular security assessments and risk analysis of networked control systems.

For more details on cybersecurity best practices and leverage Eaton's Cybersecurity as a Service, please consult the following –

- Eaton offers a suite of cybersecurity assessment and life-cycle management services to help identify vulnerabilities and secure your operational technology network. These services can help you complete the recommended remediation and mitigation actions and strengthen your overall network security. More information about these services are available at www.eaton.com/cybersecurityservices. If you need immediate support, please call +1-800-498-2678 to connect with a representative.
- Cybersecurity Considerations for Electrical Distribution Systems ([WP152002EN](#))
- Cybersecurity Best Practices Checklist Reminder ([WP910003EN](#))

Acknowledgement

Eaton thanks the below researcher(s) for their coordinated support on the security vulnerabilities: -

- CVE-2025-48394 – Harry Sintonen

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Additional Support and Information

For additional information, including a list of vulnerabilities that have been reported on our products and how to address them, please visit our Cybersecurity web site www.eaton.com/cybersecurity, or contact us at PSIRT@eaton.com.

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Revision Control:

Date	Version	Notes
09/05/2025	v1.0	Initial Advisory

Office:

Eaton, 1000 Eaton Boulevard

Cleveland, OH 44122, United States

Eaton.com