Schneider Electric Security Notification

Galaxy VS and Galaxy VL

14 November 2023

Overview

Schneider Electric is aware of a vulnerability in its Galaxy VL and Galaxy VS products.

The Schneider Electric Galaxy VS products are 3-phase UPS for edge, small, and medium data centers and other business-critical applications. The Schneider Electric Galaxy VL products are 3-phase UPS featuring modular, redundant design and low TCO for medium and large data centers and mission critical environments.

Failure to apply the remediations or mitigation provided below may risk path traversal, which could result in file system enumeration and file download.

Affected Products and Versions

Product	Version
Galaxy VS	v6.82
Galaxy VL	v12.21

Vulnerability Details

CVE ID: **CVE-2023-6032**

CVSS v3.1 Base Score 5.3 | Medium | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N

A *CWE-22: Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')* vulnerability exists that could cause a file system enumeration and file download when an attacker navigates to the Network Management Card via HTTPS.

Note regarding vulnerability details: The severity of vulnerabilities was calculated using the CVSS Base metrics in version 3.1 (CVSS v3.1) without incorporating the Temporal and Environmental metrics. Schneider Electric recommends that customers score the CVSS Environmental metrics, which are specific to end-user organizations, and consider factors such as the presence of mitigations in that environment. Environmental metrics may refine the relative severity posed by the vulnerabilities described in this document within a customer's environment.

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Remediation

Affected Product & Version	Remediation
Galaxy VL *v12.21*	Version 13.18.1 and later of Schneider Electric Galaxy VL includes a fix for this vulnerability and is available through your local FSR by contacting Schneider Electric's Customer Care Center. We strongly recommend consulting the Firewall section of the Security Handbook for the NMC4 and deploy a firewall with appropriate rulesets in place, such as IP or MAC allow lists. In addition, please refer to Schneider Electric's Recommended Cybersecurity Best Practices document. To ensure you are informed of all updates, including details on affected products and remediation plans, subscribe to Schneider Electric's security notification service here: https://www.se.com/en/work/support/cybersecurity/security-notifications.jsp

Contact Schneider Electric's Customer Care Center if you need assistance.

If customers choose not to apply the remediation provided above, they should immediately apply the following mitigations to reduce the risk of exploit:

- Deploy a firewall with appropriate rulesets in place, such as IP or MAC allow lists.
- Consult the Firewall section of the Security Handbook for the NMC4.
- Refer to Schneider Electric's Recommended Cybersecurity Best Practices document.

Mitigations

Affected Product & Version	Mitigations
Galaxy VS *v6.82*	Schneider Electric is establishing a remediation plan for all future versions of Schneider Electric Galaxy VS that will include a fix for this vulnerability. We will update this document when the remediation is available. Until then, customers should ensure they are running the latest version of Schneider Electric Galaxy VS which is available through your local FSR by contacting Schneider Electric's Customer Care Center. We strongly recommend consulting the Firewall section of the Security Handbook for the NMC4 and deploy a firewall with appropriate rulesets in place, such as IP or MAC allow lists. In

	addition, please refer to Schneider Electric's Recommended Cybersecurity Best Practices document. To ensure you are informed of all updates, including details on affected products and remediation plans, subscribe to Schneider Electric's security notification service here: https://www.se.com/en/work/support/cybersecurity/security-notifications.jsp

General Security Recommendations

We strongly recommend the following industry cybersecurity best practices.

- Locate control and safety system networks and remote devices behind firewalls and isolate them from the business network.
- Install physical controls so no unauthorized personnel can access your industrial control and safety systems, components, peripheral equipment, and networks.
- Place all controllers in locked cabinets and never leave them in the "Program" mode.
- Never connect programming software to any network other than the network intended for that device.
- Scan all methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. before use in the terminals or any node connected to these networks.
- Never allow mobile devices that have connected to any other network besides the intended network to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and systems and ensure that they are not accessible from the Internet.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs). Recognize that VPNs may have vulnerabilities and should be updated to the most current version available. Also, understand that VPNs are only as secure as the connected devices.

For more information refer to the Schneider Electric Recommended Cybersecurity Best Practices document.

For More Information

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate. For more details and assistance on how to protect your installation, contact your local Schneider Electric representative or Schneider Electric Industrial Cybersecurity Services: https://www.se.com/ww/en/work/solutions/cybersecurity/. These organizations will be fully aware of this situation and can support you through the process.

For further information related to cybersecurity in Schneider Electric's products, visit the company's cybersecurity support portal page:
https://www.se.com/ww/en/work/support/cybersecurity/overview.jsp

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About Schneider Electric

Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On.

Our mission is to be your digital partner for Sustainability and Efficiency.

We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries.

We are the most local of global companies. We are advocates of open standards and partnership ecosystems that are passionate about our shared Meaningful Purpose, Inclusive and Empowered values.
www.se.com

Revision Control:

Version 1.0 *14 November 2023*	Original Release

Product Security Office

Digitally signed by Product Security Office
Date: 2023.11.13 09:26:38 -05'00'