

Schneider Electric Security Notification

EcoStruxure™ IT Gateway

12 November 2024

Overview

Schneider Electric is aware of a vulnerability in its EcoStruxure™ IT Gateway.

The EcoStruxure™ IT Gateway is a component of the [EcoStruxure™ IT](#) platform, designed to connect your IT infrastructure devices to the cloud. It collects data from these devices and securely transmits it to the EcoStruxure™ IT platform for analysis and management.

Failure to apply the fix provided below may risk unauthorized access to EcoStruxure™ IT Gateway which could result in control of the Gateway and/or retrieval of sensitive information.

Affected Products and Versions

Product	Version
EcoStruxure™ IT Gateway	Versions 1.21.0.6, 1.22.0.3, 1.22.1.5, 1.23.0.4

Vulnerability Details

CVE ID: **CVE-2024-10575**

CVSS v3.1 Base Score 9.8 | Critical | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v4.0 Base Score 10.0 | Critical | CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:H/SI:L/SA:H

CWE-862: Missing Authorization vulnerability exists that could cause unauthorized access when enabled on the network and potentially impacting connected devices.

The severity of vulnerabilities was calculated using the CVSS Base metrics for 4.0 ([CVSS v4.0](#)). CVSS v3.1 will be still evaluated until the adoption of CVSS v4.0 by the industry. The severity was calculated 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
EcoStruxure™ IT Gateway Versions 1.21.0.6, 1.22.0.3, 1.22.1.5, 1.23.0.4	Version 1.23.1.10 of EcoStruxure™ IT Gateway includes a fix for this vulnerability and is available for download here: <ul style="list-style-type: none"> • https://community.se.com/t5/What-s-new-in-EcoStruxure-IT/Download-the-EcoStruxure-IT-Gateway/ta-p/455022 • Instructions provided in the link above. • We encourage customers to enable automatic updates to receive updates promptly. • Customers who have enabled automatic updates do not need to take any further action. Versions prior to 1.21.0.6 are not impacted by this vulnerability.

Customers should use appropriate methodologies when updating their systems. We strongly recommend the use of backups and evaluating the impact of the software update in a Test and Development environment or on an offline infrastructure. 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:

Customers should protect the Gateway from remote access by controlling access to the software over a network. The following actions could be taken:

- Placing the Gateway software on protected access-controlled networks only
- Implementing a local firewall to deny remote access to the web API.
- Removing the Gateway software and installing a clean build of version 1.23.1.10

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.

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- 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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Schneider's purpose is to **create Impact** by empowering 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 the trusted partner in **Sustainability and Efficiency**.

We are a **global industrial technology leader** bringing world-leading expertise in electrification, automation and digitization to smart **industries**, resilient **infrastructure**, future-proof **data centers**, intelligent **buildings**, and intuitive **homes**. Anchored by our deep

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domain expertise, we provide integrated end-to-end lifecycle AI enabled Industrial IoT solutions with connected products, automation, software and services, delivering digital twins to enable profitable growth **for our customers**.

We are a **people company** with an ecosystem of 150,000 colleagues and more than a million partners operating in over 100 countries to ensure proximity to our customers and stakeholders. We embrace **diversity and inclusion** in everything we do, guided by our meaningful purpose of a **sustainable future for all**.

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Revision Control:

Version 1.0.0 12 November 2024	Original Release
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