

Schneider Electric Security Notification

EcoStruxure™ Power Operation 2021, EcoStruxure™ Power SCADA Operation 2020 and EcoStruxure™ Power SCADA Operation 2020 R2

10 January 2023

Overview

Schneider Electric is aware of a vulnerability in its EcoStruxure™ Power Operation and Power SCADA Operation software

[EcoStruxure™ Power Operation and EcoStructure™ Power SCADA Operation](#) are on-premises software offers that provides a single platform to monitor and control medium and lower power systems.

Failure to apply the remediation provided below may risk loss of communications via the 61850 protocol, which could result in loss of communications to downstream devices and services.

Affected Products and Versions

Product	Version
EcoStruxure™ Power SCADA Operation 2020	Version 2020 and 2020 CU1
EcoStruxure™ Power SCADA Operation 2020 R2	Version 2020 R2 and 2020 R2 CU1, 2020 R2 CU2, and 2020 R2 CU3
EcoStruxure™ Power Operation 2021	Version 2021, 2021 CU1, 2021 CU2 and 2021 CU3
Power SCADA Operation	Version 9.0
PowerSCADA Expert	Version 8.x

Vulnerability Details

CVE ID: **CVE-2022-38138**

CVSS v3.1 Base Score 7.5 | High | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

A *CWE-824: Access of uninitialized Pointer* vulnerability exists that could cause a denial-of-service condition if exploited.

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Remediation

Affected Product & Version	Remediation
<p>EcoStruxure™ Power SCADA Operation 2020 Version 2020 and 2020 CU1</p> <p>EcoStruxure™ Power SCADA Operation 2020 R2 Version 2020 R2 and 2020 R2 CU1, 2020 R2 CU2, and 2020 R2 CU3</p> <p>EcoStruxure™ Power Operation 2021 Version 2021, 2021 CU1, 2021 CU2 and 2021 CU3</p>	<p>An updated driver package is available for download here: https://community.se.com/t5/EcoStruxure-Power-Operation/IEC61850-Driver-Latest-Release/m-p/150118</p>
<p>Power SCADA Operation 9.0 and PowerSCADA Expert 8.x</p>	<p>Contact Support</p>

Customers should use appropriate patching methodologies when applying these patches to their systems. We strongly recommend the use of back-ups and evaluating the impact of these patches in a Test and Development environment or on an offline infrastructure. Contact Schneider Electric's [Customer Care Center](#) if you need assistance removing a patch.

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

General Security Recommendations

We strongly recommend the following industry cybersecurity best practices.

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- 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.

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Revision Control:

<p>Version 1.0 10 January 2023</p>	<p>Original Release</p>
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