Schneider Electric Security Notification

APC Easy UPS On-Line Software

11 August 2020

Overview

Schneider Electric is aware of multiple vulnerabilities in the APC Easy UPS On-Line Software, which may lead to the uploading of executable files to non-specified directories by an unauthorized user.

Affected Product(s)

SFAPV9601 - APC Easy UPS On-Line Software V2.0 and earlier

Vulnerability Details

CVE ID: **CVE-2020-7521**

CVSS v3.0 Base Score 9.8 | Critical | CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

A CWE-22: Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal') vulnerability exists when accessing a vulnerable method of `FileUploadServlet` which may lead to uploading executable files to non-specified directories.

CVE ID: **CVE-2020-7522**

CVSS v3.0 Base Score 9.8 | Critical | CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

A CWE-22 Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal') vulnerability occurs when accessing a vulnerable method of `SoundUploadServlet` which may lead to uploading executable files to non-specified directories.

Remediation

The vulnerabilities are fixed in V2.1 which is available for download below:

https://www.se.com/ww/en/product/SFAPV9601/apc-easy-ups-online-software/

The following workarounds and mitigations can be applied by customers to reduce the risk:

- Utilize application whitelisting software.

- Utilize firewall rules to limit network access to only those intended to connect.
- Update to V2.1 as soon as possible. Reboot if required at the end of the software installation.

Product Information

Software for use with APC Easy UPS On-Line products.

Product Category - Critical Power, Cooling and Racks

Learn more about Schneider Electric's product categories here: https://www.se.com/us/en/all-products

How to determine if you are affected

Check the currently installed version of APC Easy UPS On-Line Software on the Help >> About menu. If version is below V2.1 – it is recommended to update to V2.1.

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 for the devices that it is intended for.
- 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 laptops 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.

Acknowledgements

Schneider Electric recognizes the following researcher(s) for identifying and helping to coordinate a response to this vulnerability:

CVE	Researcher(s) Name
CVE-2020-7521 CVE-2020-7522	rgod working with TrendMicro's Zero Day Initiative

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, please contact your local Schneider Electric representative and/or Schneider Electric Industrial Cybersecurity Services. These organizations will be fully aware of this situation and can support you through the process.

https://www.se.com/ww/en/work/support/cybersecurity/overview.jsp

https://www.se.com/ww/en/work/services/field-services/industrial-automation/industrial-cybersecurity/industrial-cybersecurity.jsp

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At Schneider, we believe **access to energy and digital** is a basic human right. We empower all to **make the most of their energy and resources**, ensuring **Life Is On** everywhere, for everyone, at every moment.

We provide **energy and automation digital** solutions for **efficiency and sustainability.** We combine world-leading energy technologies, real-time automation, software and services into integrated solutions for Homes, Buildings, Data Centers, Infrastructure and Industries.

Schneider Electric Security Notification

We are committed to unleash the infinite possibilities of an **open, global, innovative community** that is passionate about our **Meaningful Purpose, Inclusive and Empowered** values.

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Revision Control:

Version 1 11 August 2020	Original Release