

Schneider Electric Security Notification

Security Notification – U.motion Builder software V1.1

12 March 2019 (11 June 2019)

Overview

Schneider Electric is aware of a new variant of the Mirai malware that targets the company's U.motion Builder software. It is imperative customers cease using U.motion Builder software and remove it from their systems immediately.

Affected Product(s)

U.motion Builder version 1.3.4

Vulnerability Details

CVE ID: **CVE-2018-7841**

8.0 | (High) | CVSS:3.0/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H

A SQL Injection (CWE-89) vulnerability exists, which could cause unwanted code execution when an improper set of characters is entered.

Remediation

To further protect their installations from this threat, customers should immediately remove the U.motion Builder software from their systems.

The product has been retired and is no longer available or supported.

General Security Recommendations

We strongly recommend following industry cybersecurity best practices such as:

- Locate control and safety system networks and remote devices behind firewalls, and isolate them from the business network.

Schneider Electric Security Notification

- Physical controls should be in place so that no unauthorized person would have access to the ICS and safety controllers, peripheral equipment or the ICS and safety networks.
- All controllers should reside in locked cabinets and never be left in the “Program” mode.
- All programming software should be kept in locked cabinets and should never be connected to any network other than the network for the devices that it is intended.
- All methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. should be scanned before use in the terminals or any node connected to these networks.
- Laptops that have connected to any other network besides the intended network should never be allowed to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and/or 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), recognizing that VPNs may have vulnerabilities and should be updated to the most current version available. Also recognize that VPN is only as secure as the connected devices.

Acknowledgements

Schneider Electric recognizes the following researcher(s) for all efforts related to identifying and coordinating a response to this vulnerability:

CVE	Researcher Name
CVE-2018-7841	Julien Ahrens (RCE Security)

For More Information

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate it or them. For more details and assistance on how to protect your installation, please contact your local Schneider Electric representative. These organizations will be fully aware of the situation and can support you through the process.

For further information related to cybersecurity in Schneider Electric’s products, please visit the company’s cybersecurity web page:

<http://www2.schneider-electric.com/sites/corporate/en/support/cybersecurity/cybersecurity.page>

If you require additional support, Schneider Electric Industrial Cybersecurity Services team are available to help. Please visit: <https://www.schneider-electric.com/en/work/services/field-services/industrial-automation/industrial-cybersecurity/industrial-cybersecurity.jsp>

Schneider Electric Security Notification

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We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment.

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Revision Control:

Version 1 <i>12 March 2019</i>	Original Release
11 June 2019	Overview section updated to reflect new information about an exploit available for this vulnerability (page 1)