PRODUCT SECURITY ADVISORY

January 16, 2023

PSIRT Record Number
CARR-PSA-010-0123

Overview

Apache Shiro is a Java security framework that performs authentication, authorization, cryptography, and session management. The Apache Shiro version used within our WebCTRL® and i-Vu® software have multiple CVEs associated with potential authentication bypass vulnerabilities (CWE-305).

PSIRT Statement

Apache Shiro is only used in WebCTRL® and i-Vu® software for cryptographic functions that involve encryption, decryption, and hashing of passwords. We have concluded the vulnerabilities are not exploitable, but in the abundance of caution we are taking the steps necessary to update the third-party framework.

The effected versions of Apache Shiro exist in WebCTRL® and i-Vu® software, prior to and including version 8.0.

Carrier will be providing a patch to update the third-party libraries by the end of the quarter.

About Carrier Global Product Cybersecurity

At Carrier, system and operational security is integral. To ensure outcomes, research and development teams leverage Global Product Cybersecurity – a team of highly experienced and credentialed veterans; diverse and dynamic cybersecurity domain experts who've maintained prominent roles and responsibilities in designing, building, and operating highly secure complex systems.

The Product Security Incident Response Team (PSIRT) focuses on the identification, assessment, and disposition of the risks associated with security vulnerabilities within Carrier products, offerings, solutions, components and/or services. PSIRT is a dedicated team of first responders responsible to deliver advanced support designed to contain and minimize the spread and impact of a product security event, incident, breach, and/or crises.

For more information about Global Product Security and PSIRT, please visit us as: https://www.corporate.carrier.com/product-security/

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