

Talos Vulnerability Report

TALOS-2020-1168

Advantech WebAccess/SCADA installation local file inclusion

FEBRUARY 16, 2021

CVE NUMBER

CVE-2020-13550

Summary

A local file inclusion vulnerability exists in the installation functionality of Advantech WebAccess/SCADA 9.0.1. A specially crafted application can lead to information disclosure. An attacker can send an authenticated HTTP request to trigger this vulnerability.

Tested Versions

Advantech WebAccess/SCADA 9.0.1

Product URLs

<https://www.advantech.com/industrial-automation/webaccess/webaccessscada>

CVSSv3 Score

7.7 - CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:N/A:N

CWE

CWE-22 - Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')

Details

Advantech WebAccess/SCADA is an HTML5-based software package used to perform data visualization and supervisory controls over IoT/OT devices. It collects, parses and distributes data using MQTT.

A local file inclusion vulnerability exists in the installation functionality of Advantech WebAccess/SCADA 9.0.1. A specially crafted application can lead to information disclosure. An attacker can make an authenticated HTTP request to trigger this vulnerability.

The following request is a Proof-of-Concept for retrieving "win.ini" file form remote system.

[illegible]

Using above method the Postgresql password can be retrieved using below URL:

[http://\[IP\]:8081/WADashboard/api/dashboard/v1/files/dashboardTree?
&projectSpecies=asdasd!management&fileName=%5C.%5Cpost
gresql%5Cpostgres-sql-password.txt&isFiltered=true&.1600703196585](http://[IP]:8081/WADashboard/api/dashboard/v1/files/dashboardTree?&projectSpecies=asdasd!management&fileName=%5C.%5Cpostgresql%5Cpostgresql%5Cpostgres-sql-password.txt&isFiltered=true&.1600703196585)

Timeline

2020-10-16 - Initial vendor contact

2020-10-20 - Vendor disclosure

2020-11-17 - 2nd follow up

2020-12-14 - 3rd follow up

2021-01-05 - 75 day follow up

2021-01-20 - 90 day final notice

2021-02-16 - Public release

CREDIT

Discovered by Yuri Kramarz of Cisco Talos.

