CVE-2022-2105

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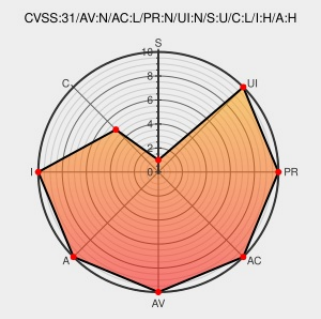
CVE-2022-2105 - advisory for ICSA-22-174-03

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Sepcos Control And Protection Relay from Secheron contain the following vulnerability:

Client-side JavaScript controls may be bypassed to change user credentials and permissions without authentication, including a “root” user level meant only for the vendor. Web server root level access allows for changing of safety critical parameters.

CVE-2022-2105 has been assigned by ics-cert@hq.dhs.gov to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **Secheron** - **SEPCOS Control and Protection Relay firmware package** version **< 1.23.21**

Affected Vendor/Software: **Secheron** - **SEPCOS Control and Protection Relay firmware package** version **< 1.24.8**

Affected Vendor/Software: **Secheron** - **SEPCOS Control and Protection Relay firmware package** version **< 1.25.3**

Vulnerability Patch/Work Around

Additional workarounds are suggested to help reduce the risk: Configure the network such that PLC communications are strictly limited to only the devices required to perform its functions. Limit remote access and close Ports 80 and 443 at the switch level. Only use approved devices to connect to the PLCs. Do not connect personal peripherals (USB sticks, hotspots) to approved devices. Check device logs during periodic maintenance for unauthorized changes or access.

CVSS3 Score: 9.1 - CRITICAL

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	HIGH	HIGH

CVSS2 Score: 6.4 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE

Confidentiality Impact	Integrity Impact	Availability Impact
NONE	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Secheron SEPCOS Control and Protection Relay | CISA	www.cisa.gov text/html	MISC www.cisa.gov/uscert/ics/advisories/icsa-22-174-03

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Secheron	Sepcos Control And Protection Relay	-	All	All	All
Operating System	Secheron	Sepcos Control And Protection Relay Firmware	All	All	All	All

cpe:2.3:h:secheron:sepcos_control_and_protection_relay:-:*:*:*:*:*:*:*:

cpe:2.3:o:secheron:sepcos_control_and_protection_relay_firmware:*:*:*:*:*:*:*:*:

Discovery Credit

Anthony Candarini of AECOM, Clark Bradley of Elliott Davis, Mike Curnow of AECOM, and Balakrishna Subramoney of SAM Analytic Solutions reported these vulnerabilities to CISA.

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-2105 : Client-side JavaScript controls may be bypassed to change user credentials and permissions without… twitter.com/i/web/status/1…	2022-06-24 15:17:05
@Robo_Alerts	Potentially Critical CVE Detected! CVE-2022-2105 Client-side JavaScript controls may be bypassed to change user cre… twitter.com/i/web/status/1…	2022-06-24 16:55:56
/r/netcve	CVE-2022-2105	2022-06-24 16:38:10

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