CVE-2019-5616

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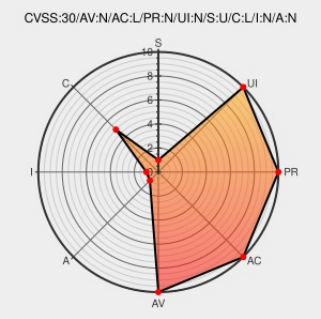

Certain versions of Scion-8 from Broadcastboxes contain the following vulnerability:

CircuitWerkes Sicon-8, a hardware device used for managing electrical devices, ships with a web-based front-end controller and implements an authentication mechanism in JavaScript that is run in the context of a user's web browser.

CVE-2019-5616 has been assigned by cve@rapid7.com to track the vulnerability - currently rated as MEDIUM severity.

Because authentication is implemented as a JavaScript function that merely redirects the user away from the web app interface, rather than relying on session tokens or other more modern access controls, an attacker can navigate to http://address:port/index.htm using a standard web browser, and just before the page is fully rendered, hit the escape key to prevent the window.location redirect from executing. Once the page is rendered, the attacker can read all of the configured labels of a Sicon-8 device and retrieve the status of the labeled interfaces.

Vulnerability Patch/Work Around

Users of the Sicon-8 should not expose the web-based management console to untrusted networks.

CVSS3 Score: 5.3 - MEDIUM

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

CVSS2 Score: 5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**

PARTIAL | NONE | NONE

CVE References

Description	Tags	Link
CircuitWerkes Sicon-8 Client-Side Authentication Bypass Vuln Explained	Exploit Third Party Advisory blog.rapid7.com text/html	MISC blog.rapid7.com/2019/03/12/r7-2019-01-circuitwerkes-sicon-8-client-side-authentication-read-only-bypass-cve-2019-5616/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Broadcastboxes	Scion-8	-	All	All	All
Hardware	Broadcastboxes	Scion-8	-	All	All	All
Operating System	Broadcastboxes	Scion-8 Firmware	-	All	All	All
Operating System	Broadcastboxes	Scion-8 Firmware	-	All	All	All

cpe:2.3:h:broadcastboxes:scion-8:-:*:*:*:*:*:*:*:

cpe:2.3:h:broadcastboxes:scion-8:-:*:*:*:*:*:*:*:

cpe:2.3:o:broadcastboxes:scion-8_firmware:-:*:*:*:*:*:*:*:

cpe:2.3:o:broadcastboxes:scion-8_firmware:-:*:*:*:*:*:*:*:

Discovery Credit

This issue was discovered and reported by independent researcher Ph055a, and was validated and disclosed by Rapid7's Coordinated Vulnerability Disclosure program.

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