

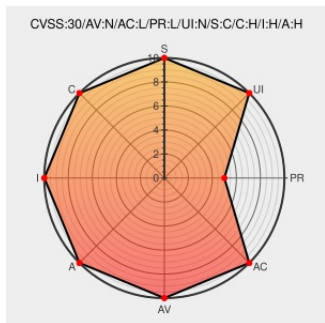


CVE-2018-3903

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CVE-2018-3903

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Sth-eth-250](#) from [Samsung](#) contain the following vulnerability:

On Samsung SmartThings Hub STH-ETH-250 devices with firmware version 0.20.17, the video-core process incorrectly extracts fields from a user-controlled JSON payload, leading to a buffer overflow on the stack. An attacker can send an HTTP request to trigger this vulnerability. The memcpy call overflows the destination buffer, which has a size of 512 bytes. An attacker can send an arbitrarily long "url" value in order to overwrite the saved-PC with 0x42424242.

CVE-2018-3903 has been assigned by [talos-cna@cisco.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [Talos - Samsung](#) version **Samsung SmartThings Hub STH-ETH-250 - Firmware version 0.20.17**

CVSS3 Score: **9.9 - CRITICAL**

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

CVSS2 Score: **9 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	COMPLETE

CVE References

Description

TALOS-2018-0574 || Cisco Talos Intelligence Group - Comprehensive Threat Intelligence

Exploit

Third Party Advisory

www.talosintelligence.com

text/html

MISC

www.talosintelligence.com/vulnerability_reports/TALOS-2018-0574

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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	Samsung	Sth-eth-250	-	All	All	All
Hardware	Samsung	Sth-eth-250	-	All	All	All
Operating System	Samsung	Sth-eth-250 Firmware	0.20.17	All	All	All
Operating System	Samsung	Sth-eth-250 Firmware	0.20.17	All	All	All
cpe:2.3:h:samsung:sth-eth-250:-:*:*:*:*:*:						
cpe:2.3:h:samsung:sth-eth-250:-:*:*:*:*:*:						
cpe:2.3:o:samsung:sth-eth-250_firmware:0.20.17:*:*:*:*:*:						
cpe:2.3:o:samsung:sth-eth-250_firmware:0.20.17:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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