



CVE-2017-16311

Published on: Not Yet Published

Last Modified on: 01/19/2023 08:56:00 PM UTC

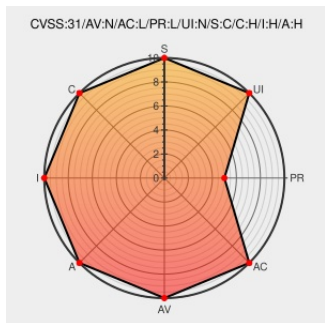
CVE-2017-16311

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[Source: NIST](#)

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Certain versions of [Hub](#) from [Insteon](#) contain the following vulnerability:

Multiple exploitable buffer overflow vulnerabilities exist in the PubNub message handler for the "cc" channel of Insteon Hub running firmware version 1012. Specially crafted commands sent through the PubNub service can cause a stack-based buffer overflow overwriting arbitrary data. An attacker should send an authenticated HTTP request to trigger this vulnerability. In cmd UpdateCheck, at 0x9d01bb64, the

value for the `type` key is copied using `strcpy` to the buffer at `\$sp+0x270`. This buffer is 16 bytes large, sending anything longer will cause a buffer overflow.

CVE-2017-16311 has been assigned by [talos-cna@cisco.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [Cisco](#) **Insteon - Hub** version = **Not specified**

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

CVE References

Description	Tags	Link
TALOS-2017-0483 - Cisco Talos	talosintelligence.com text/html	MISC talosintelligence.com/vulnerability_reports/TALOS-2017-0483

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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 	Insteon	Hub	-	All	All	All
Operating System	Insteon	Hub Firmware	1012	All	All	All
cpe:2.3:h:insteon:hub:-:~::~~::~~::~~::~~::~~::~~:::						
cpe:2.3:o:insteon:hub_firmware:1012:~::~~::~~::~~::~~::~~::~~:::						

No vendor comments have been submitted for this CVE

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