



CVE-2017-14452

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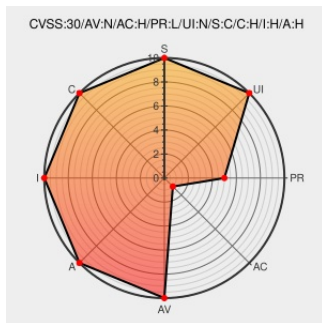
CVE-2017-14452

[Source: Mitre](#)

[Source: NIST](#)

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

An exploitable buffer overflow vulnerability exists in the PubNub message handler for the "control" channel of Insteon Hub running firmware version 1012. Specially crafted replies received from the PubNub service can cause buffer overflows on a global section overwriting arbitrary data. A strcpy overflows the buffer

insteon_pubnub.channel_cc_r, which has a size of 16 bytes. An

attacker can send an arbitrarily long "c_r" parameter in order to exploit this vulnerability. An attacker should impersonate PubNub and answer an HTTPS GET request to trigger this vulnerability.

CVE-2017-14452 has been assigned by [talos-cna@cisco.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Cisco](#) **Insteon** - **Insteon Hub 2245-222** version **Firmware version 1012**

CVSS3 Score: **8.8 - HIGH**

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

CVSS2 Score: **6.5 - MEDIUM**

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

CVE References

CVE References

Description	Tags	Link
TALOS-2017-0502 - Cisco Talos	Exploit Third Party Advisory www.talosintelligence.com text/html	MISC www.talosintelligence.com/vulnerability_reports/TALOS-2017-0502

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

No vendor comments have been submitted for this CVE

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