



# CVE-2017-16278

Published on: Not Yet Published

Last Modified on: 01/19/2023 08:26:00 PM UTC

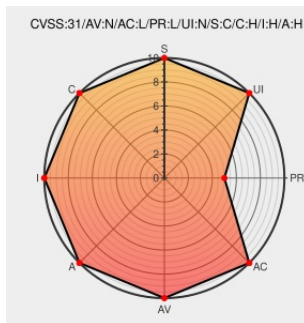
## CVE-2017-16278

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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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 s\_net, at 0x9d01815c, the value for the 'ip' key is copied using 'strcpy' to the buffer at '\$sp+0x2d0'. This buffer is 100 bytes large, sending anything longer will cause a buffer overflow.

CVE-2017-16278 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    |
|----------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b> | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope          | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>CHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

## CVE References

| Description                   | Tags                                                               | Link                                                                             |
|-------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------|
| TALOS-2017-0483 - Cisco Talos | <a href="#">talosintelligence.com</a><br><a href="#">text/html</a> | <a href="#">MISC talosintelligence.com/vulnerability_reports/TALOS-2017-0483</a> |

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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  | <a href="#">Insteon</a> | <a href="#">Hub</a>          | -       | All    | All     | All      |
| Operating System                                                                           | <a href="#">Insteon</a> | <a href="#">Hub Firmware</a> | 1012    | All    | All     | All      |
| <pre>cpe:2.3:h:insteon:hub:-:*:*:*:*:*:</pre>                                              |                         |                              |         |        |         |          |
| <pre>cpe:2.3:o:insteon:hub_firmware:1012:*:*:*:*:*:</pre>                                  |                         |                              |         |        |         |          |

No vendor comments have been submitted for this CVE

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