

Cisco Security Advisory

# Cisco 9900 Series IP Phone Crafted Header Unregister Vulnerability



**Advisory ID:** Cisco-SA-20140110-CVE-2014-0658 CVE-2014-0658 [Download CVRF](#)  
**Published:** 2014 January 10 21:18 GMT CWE-20 [Download PDF](#)  
**Version 1.0:** Final [Email](#)  
**CVSS Score:** [Base - 5.4](#)  
**Workarounds:** [See below](#)  
**Cisco Bug IDs:** [CSCul24898](#)

## Cisco Security Vulnerability Policy

To learn about Cisco security vulnerability disclosure policies and publications, see the [Security Vulnerability Policy](#). This document also contains instructions for obtaining fixed software and receiving security vulnerability information from Cisco.

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### Summary

A vulnerability in Session Initiation Protocol (SIP) header processing of Cisco fourth-generation IP phones could allow an unauthenticated, remote attacker to cause the IP phone to unregister.

The vulnerability is due to improper SIP header processing. An attacker could exploit this vulnerability by sending a crafted SIP header to the affected phone. An exploit could allow the attacker to force the IP phone to unregister.

Cisco has confirmed the vulnerability in a security notice and released software updates.

To exploit this vulnerability, it is likely that an attacker would need access to trusted, internal networks to send a crafted SIP header to a targeted phone. This access requirement may reduce the likelihood of a successful attack.

### Affected Products

Customers are advised to consult Cisco bug ID [CSCul24898](#) for a complete list of affected product versions.

#### Vulnerable Products

At the time this alert was first published, Cisco Unified IP Phones 9900 Series Firmware versions 9.3(.4) and prior were vulnerable. Later releases may also be vulnerable.

#### Products Confirmed Not Vulnerable

No other Cisco products are currently known to be affected by these vulnerabilities.

### Workarounds

Administrators are advised to apply the appropriate updates.

Administrators are advised to allow only trusted users to have network access.

Administrators may consider using IP-based access control lists (ACLs) to allow only trusted systems to access the affected systems.

Administrators are advised to monitor affected systems.

### Fixed Software

Cisco customers with active contracts should contact their Cisco support team for assistance in upgrading to a software version that includes fixes for this vulnerability. Cisco customers without contracts may contact the Cisco Technical Assistance Center at 1-800-553-2447 or 1-408-526-7209 or via email at [tac@cisco.com](mailto:tac@cisco.com) for assistance.

### Exploitation and Public Announcements

The Cisco Product Security Incident Response Team (PSIRT) is not aware of any public announcements or malicious use of the vulnerability that is described in this advisory.

### URL

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/Cisco-SA-20140110-CVE-2014-0658>

### Revision History

Version	Description	Section	Status	Date
1.0	Initial Release	NA	Final	2014-Jan-10

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