

Cisco Security Advisory

Cisco Unified Communications Manager Remote Mobile Access Subsystem Vulnerability



Advisory ID: Cisco-SA-20141111-CVE-2014-7991 CVE-2014-7991 [Download CVE](#)
Published: 2014 November 11 15:49 GMT CWE-20 [Download PDF](#)
Version 1.0: Final [Email](#)
CVSS Score: [Base - 4.3](#)
Workarounds: [See below](#)
Cisco Bug IDs: [CSCuq86376](#)

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Summary

A vulnerability in the Remote Mobile Access Subsystem in Cisco Unified Communications Manager (Cisco Unified CM) could allow an unauthenticated, remote attacker to supply a crafted Transport Layer Security (TLS) certificate that may be accepted by the affected device.

The vulnerability is due to improper validation of the SAN field of a TLS certificate. An attacker could exploit this vulnerability by impersonating a VCS core device and supplying a certificate signed by a certificate authority trusted by the Cisco Unified CM that contains crafted values in the SAN field.

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

To exploit this vulnerability, an attacker may need to access a trusted, internal network, impersonate a VCS Core device, and supply a certificate signed by a trusted certificate authority of the targeted device. These requirements may reduce the likelihood of a successful exploit.

Cisco indicates through the CVSS score that functional exploit code exists; however, the code is not known to be publicly available.

Affected Products

Customers are advised to consult Cisco bug ID [CSCuq86376](#) for a complete list of affected product versions.

Vulnerable Products

At the time this alert was first published, Cisco Unified CM versions 10.0(1) and prior were vulnerable. Later versions 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 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-20141111-CVE-2014-7991>

Revision History

Version	Description	Section	Status	Date
1.0	Initial Release	NA	Final	2014-Nov-11

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