

Multiple Vulnerabilities in Cisco NX-OS-Based Products

Advisory ID: cisco-sa-20140521-nxos

<http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20140521-nxos>

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Revision 2.3

Last Updated 2014 June 2 20:25 UTC (GMT)

For Public Release 2014 May 21 16:00 UTC (GMT)

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Cisco Nexusã€Cisco Unified Computing Systemı¼^UCSı¼%œãçšã,^ã³ Cisco 1000

ã,ãfãf¼ã,° Connected Gridãfãf¼ã,çı¼^CGRı¼%œãç™ã¹ãç;®æCisco NX-OS

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- Cisco NX-OS Virtual Device Contextãç;® SSHãç«ãçšãç’ã,çæ”çé™çæ~†æ¼ãç;®è,†å¼±æ€š
- Cisco NX-OS Virtual Device Contextãç;® SSHã,ãf¼ãç«ã,^ã,çæ”çé™çæ~†æ¼ãç;®è,†å¼±æ€š

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|---|---------|---------|-----|--------|-----|---|--------------|----------------------------|-----|-----|--------------|
| Cisco NX-OS Message Transfer Service Denial of Service Vulnerability CVE-2014-2201 <i>No Officially Released Versions are Affected</i> | | | | | | | | | | | |
| Recommended Release | 2.2(1d) | 2.2(1d) | N/A | 6.2(8) | N/A | 5.2(1)N1(7) 6.0(2)N2(4) 7.0(2)N1(1) | 4.1(2)E1(11) | 5.0(3)U5(1) 6.0(2)U2(4) | N/A | N/A | CG4(15.4(1)) |

Affected Models

- UCS 6100 = Cisco Unified Computing Server *UCS 6100*
- UCS 6200 = Cisco Unified Computing Server *UCS 6200*
- Nexus 9000 = Cisco Nexus 9000 *Nexus 9000*
- Nexus 7000 = Cisco Nexus 7000 *Nexus 7000*
- Nexus 6000 = Cisco Nexus 6000 *Nexus 6000*
- Nexus 5000 = Cisco Nexus 5000 *Nexus 5000*
- Nexus 5500 = Cisco Nexus 5500 *Nexus 5500*
- Nexus 4000 = Cisco Nexus 4000 *Nexus 4000*
- Nexus 3000 = Cisco Nexus 3000 *Nexus 3000*
- Nexus 3500 = Cisco Nexus 3500 *Nexus 3500*
- Nexus 1000V = Cisco Nexus 1000V *Nexus 1000V*
- 1010 = Cisco Nexus 1010 *Nexus 1010*
- MDS 9000 = Cisco MDS 9000 *MDS 9000*
- CGR 1000 = Cisco 1000 Connected Grid *CGR 1000*

Recommended Release

Recommended Release

Workarounds

- Cisco Nexus 9000 *Nexus 9000*
- Cisco Nexus 7700 *Nexus 7700*
- Cisco Nexus 6000 *Nexus 6000*
- Cisco Nexus 5600 *Nexus 5600*
- Cisco Nexus 2000 *Nexus 2000*
- Cisco Nexus 1000V *Nexus 1000V*
- Cisco Nexus 1010 *Nexus 1010*

[Cisco Bug ID CSCtw98915](#)
[CVE ID CVE-2014-2201](#)

Common Vulnerability Scoring System (CVSS) 2.0

Common Vulnerability Scoring System (CVSS) 2.0

CVSS 2.0 Base Score: 7.1
 CVSS 2.0 Temporal Score: 7.1
 CVSS 2.0 Environmental Score: 7.1

CVSS

CVSS 2.0 Base Score: 7.1
 CVSS 2.0 Temporal Score: 7.1
 CVSS 2.0 Environmental Score: 7.1

CVSS Base Score: 7.1

CVSS Temporal Score: 7.1

CVSS Environmental Score: 7.1

CVSS Base Score: 7.1

<http://www.cisco.com/web/about/security/intelligence/cvss-qandas.html>

<http://tools.cisco.com/security/center/cvssCalculator.x>

| Cisco NX-OS Virtual Device Context SSH Privilege Escalation Vulnerability - CSCti11629 | | | | | |
|--|-------------------|----------------|------------------------|------------------|---------------------|
| Calculate the environmental score of | | | | | |
| CVSS Base Score - 7.1 | | | | | |
| Access Vector | Access Complexity | Authentication | Confidentiality Impact | Integrity Impact | Availability Impact |
| Network | High | Single | Complete | Complete | Complete |

| | | |
|----------------------------------|-------------------|-------------------|
| CVSS Temporal Score - 5.9 | | |
| Exploitability | Remediation Level | Report Confidence |
| Functional | Official-Fix | Confirmed |

| | | | | | |
|--|-------------------|----------------|------------------------|------------------|---------------------|
| Cisco NX-OS Virtual Device Context SSH Key Privilege Escalation Vulnerability - CSCud88400 Calculate the environmental score of | | | | | |
| CVSS Base Score - 7.1 | | | | | |
| Access Vector | Access Complexity | Authentication | Confidentiality Impact | Integrity Impact | Availability Impact |
| Network | High | Single | Complete | Complete | Complete |
| CVSS Temporal Score - 5.9 | | | | | |
| Exploitability | Remediation Level | | Report Confidence | | |
| Functional | Official-Fix | | Confirmed | | |

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|---|--|--|--|--|--|
| Cisco NX-OS-Based Products Smart Call Home Buffer Overflow Vulnerability - CSCtk00695, CSCts56633, CSCts56632, CSCts56628, CSCuf61322, CSCug14405 Calculate the environmental score of | | | | | |
|---|--|--|--|--|--|

| | | | | | |
|----------------------------------|-------------------|-------------------|------------------------|-------------------|---------------------|
| CVSS Base Score - 7.6 | | | | | |
| Access Vector | Access Complexity | Authentication | Confidentiality Impact | Integrity Impact | Availability Impact |
| Network | High | None | Complete | Complete | Complete |
| CVSS Temporal Score - 6.3 | | | | | |
| Exploitability | | Remediation Level | | Report Confidence | |
| Functional | | Official-Fix | | Confirmed | |

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|--|-------------------|-------------------|------------------------|-------------------|---------------------|
| Cisco NX-OS Message Transfer Service Denial of Service Vulnerability - CSCtw98915 | | | | | |
| Calculate the environmental score of | | | | | |
| CVSS Base Score - 7.8 | | | | | |
| Access Vector | Access Complexity | Authentication | Confidentiality Impact | Integrity Impact | Availability Impact |
| Network | Low | None | None | None | Complete |
| CVSS Temporal Score - 6.4 | | | | | |
| Exploitability | | Remediation Level | | Report Confidence | |
| Functional | | Official-Fix | | Confirmed | |

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Cisco NX-OS Virtual Device Context ã® SSH

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Cisco NX-OS ã™ãf¼ã,¹è½ã“ã® Smart Call Home ã«ãŠã'ã,ãfãffãfã,j

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Cisco NX-OS ãf;ãfã,»ãf¼ã,,è»é€ã,µãf¼ãfã,¹ã«ãŠã'ã,ã,ã DoS

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<http://www.cisco.com/go/psirt/> ã® Cisco Security Advisories, Responses, and Notices

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Center¼^TAC¼%ã,,ã—ãããã^ãç'„ã—ã|ã,,ã,ãfãfãfãfãfãfãfã,¹

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Cisco Unified Computing System¼š

Cisco NX-OS ã™ãf¼ã,¹è½ã“ã® Smart Call Home ã«ãŠã'ã,ãfãffãfãã,j

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| Affected Version | First Fixed Release | Recommended Release |
|-------------------|---------------------|---------------------|
| 1.0 | N/A | 2.2(1d) |
| 1.1 | N/A | 2.2(1d) |
| 1.2 | N/A | 2.2(1d) |
| 1.3 | N/A | 2.2(1d) |
| 1.4(1h) and prior | 1.4(1i) | 2.2(1d) |

Cisco Nexus 7000¼š

Cisco NX-OS Virtual Device Context ã® SSH ã«ãŠã'ã,æ¨©é™æ~†æ¼ã®è,,†ã¼±æ€š

| Affected Version | First Fixed Release> | Recommended Release |
|------------------|----------------------|---------------------|
|------------------|----------------------|---------------------|

| | | |
|-------------------|--------|--------|
| 4.X | N/A | 6.2(8) |
| 5.0(2a) and prior | 5.0(5) | 6.2(8) |

Cisco NX-OS Virtual Device Context **Smart Call Home** (Cisco NX-OS 5.0(2a) and prior)

| Affected Version | First Fixed Release | Recommended Release |
|-------------------|---------------------|---------------------|
| 4.X | N/A | 6.2(8) |
| 5.X | N/A | 6.2(8) |
| 6.0 | N/A | 6.2(8) |
| 6.1(4a) and prior | 6.1(5) | 6.2(8) |

Cisco NX-OS **Smart Call Home** (Cisco NX-OS 5.0(2a) and prior)

| Affected Version | First Fixed Release | Recommended Release |
|------------------|---------------------|---------------------|
| 4.X | N/A | 6.2(8) |
| 5.0 | N/A | 6.2(8) |
| 5.1 | N/A | 6.2(8) |
| 5.2(3) and prior | 5.2(3a) | 6.2(8) |

Cisco Nexus 5000i

Cisco NX-OS **Smart Call Home** (Cisco NX-OS 5.0(2a) and prior)

| Affected Version | First Fixed Release | Recommended Release |
|------------------|---------------------|---|
| 4.X | N/A | 5.2(1)N1(7) 6.0(2)N2(4) 7.0(2)N1(1) |
| 5.0 | 5.1(3)N1(1) | 5.2(1)N1(7) 6.0(2)N2(4) 7.0(2)N1(1) |

Cisco Nexus 4000i

Cisco NX-OS **Smart Call Home** (Cisco NX-OS 4.1(2)E1(1k) and prior)

| Affected Version | First Fixed Release | Recommended Release |
|------------------------|---------------------|---------------------|
| 4.1(2)E1(1k) and prior | 4.1(2)E1(11) | 4.1(2)E1(11) |

Cisco Nexus 3000i

Cisco NX-OS **Smart Call Home** (Cisco NX-OS 5.0(3)U2(1) and prior)

| Affected Version | First Fixed Release | Recommended Release |
|-----------------------|---------------------|---------------------|
| 5.0(3)U2(1) and prior | 5.0(3)U2(2) | 5.0(3)U5(1j) |

Operations <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20140521-nxos>

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- bugtraq@securityfocus.com
- vulnwatch@vulnwatch.org
- cisco@spot.colorado.edu
- cisco-nsp@puck.nether.net
- full-disclosure@lists.grok.org.uk

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|--------------|--------------|---|
| Revision 2.3 | 2014-June-02 | Updated Recommended Version in Nexus 7000 Software tables for the Cisco NX-OS Virtual Device Context SSH Privilege Escalation Vulnerability to match other tables. |
| Revision 2.2 | 2014-May-29 | Removed Nexus 5500UP devices from the Confirmed Not Vulnerable section. While these devices shipped with a non-vulnerable version of NX-OS, they are capable of running an affected version of 5.0(3). |
| Revision 2.1 | 2014-May-28 | Added a clarifying statement to the Smart Call Home vulnerability to stipulate that SCH must be configured to utilize SMTP as the reporting method. |
| Revision 2.0 | 2014-May-28 | Further engineering efforts have determined that no officially released images are affected by the Message Transfer Service Denial of Service vulnerability. Customers running a pre-release version of NX-OS 6.0 may be affected and are advised to update to an official release. MDS 9000 Family moved to Products Confirmed Not Vulnerable. |
| Revision 1.1 | 2014-May-21 | Updated tables for legibility purposes. |
| Revision 1.0 | 2014-May-21 | Initial public release. |

翻訳について

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