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Cisco Security Advisory

# Cisco Integrated Management Controller Command Injection and Remote Code Execution Vulnerabilities

**High****Advisory ID:**

cisco-sa-cimc-cmd-inj-3hKN3bVt

**First Published:**

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**Version 1.0:**

Final

**Workarounds:**

No workarounds available

**Cisco Bug IDs:**[CSCwr60021](#) , [CSCwr60889](#) , [CSCwr60894](#) , [More...](#)[CVE-2026-20094](#)[CVE-2026-20095](#)[CVE-2026-20096](#)[More...](#)[CWE-77](#)[CWE-787](#)**CVSS Score:**

Base 8.8

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## Summary

Multiple vulnerabilities in the web-based management interface of Cisco Integrated Management Controller (IMC) could allow an authenticated, remote attacker to execute arbitrary code or command on the underlying operating system of an affected system and elevate privileges to *root*.

For more information about these vulnerabilities, see the [Details](#) section of this advisory.

Cisco has released software updates that address these vulnerabilities. There are no workarounds that address these vulnerabilities.

This advisory is available at the following link:

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-cimc-cmd-inj-3hKN3bVt>

## Affected Products

## Vulnerable Products

These vulnerabilities affect the following Cisco products if they are running a vulnerable release of Cisco IMC, regardless of device configuration:

Product	CVE IDs	Cisco Bug IDs
5000 Series Enterprise Network Compute Systems (ENCS)	CVE-2026-20095 CVE-2026-20096	<a href="#">CSCws00370</a> <a href="#">CSCws00378</a>
Catalyst 8300 Series Edge uCPE	CVE-2026-20094 CVE-2026-20095 CVE-2026-20096	<a href="#">CSCws00363</a> <a href="#">CSCws00368</a> <a href="#">CSCws00376</a>
UCS C-Series M5 and M6 Rack Servers in standalone mode	CVE-2026-20094 CVE-2026-20095 CVE-2026-20096 CVE-2026-20097	<a href="#">CSCwr60021</a> <a href="#">CSCwr60889</a> <a href="#">CSCwr60894</a> <a href="#">CSCwr60925</a>
UCS E-Series Servers M3	CVE-2026-20095 CVE-2026-20096	<a href="#">CSCws00370</a> <a href="#">CSCws00378</a>
UCS E-Series Servers M6	CVE-2026-20094 CVE-2026-20095 CVE-2026-20096	<a href="#">CSCws00363</a> <a href="#">CSCws00368</a> <a href="#">CSCws00376</a>
UCS S-Series Storage Servers in standalone mode	CVE-2026-20094 CVE-2026-20095 CVE-2026-20096	<a href="#">CSCwr60021</a> <a href="#">CSCwr60889</a> <a href="#">CSCwr60894</a>

Cisco appliances that are based on a preconfigured version of one of the Cisco UCS C-Series Servers that are in the preceding list are also affected by these vulnerabilities if they expose access to the Cisco IMC UI. This includes the following Cisco products:

- Application Policy Infrastructure Controller (APIC) Servers
- Business Edition 6000 and 7000 Appliances
- Catalyst Center Appliances, formerly DNA Center
- Cisco Telemetry Broker Appliances
- Cloud Services Platform (CSP) 5000 Series
- Common Services Platform Collector (CSPC) Appliances
- Connected Mobile Experiences (CMX) Appliances
- Connected Safety and Security UCS Platform Series Servers
- Cyber Vision Center Appliances
- Expressway Series Appliances
- HyperFlex Edge Nodes
- HyperFlex Nodes in HyperFlex Datacenter without Fabric Interconnect (DC-NO-FI) deployment mode
- IEC6400 Edge Compute Appliances
- IOS XRv 9000 Appliances
- Meeting Server 1000 Appliances
- Nexus Dashboard Appliances
- Prime Infrastructure Appliances
- Prime Network Registrar Jumpstart Appliances

- Secure Endpoint Private Cloud Appliances
- Secure Firewall Management Center Appliances
- Secure Malware Analytics Appliances
- Secure Network Analytics Appliances
- Secure Network Server Appliances
- Secure Workload Servers

For information about which Cisco software releases are vulnerable, see the [Fixed Software](#) section of this advisory.

## Products Confirmed Not Vulnerable

Only products listed in the [Vulnerable Products](#) section of this advisory are known to be affected by these vulnerabilities.

Cisco has determined that the following Cisco products are not affected by any of these vulnerabilities:

- UCS B-Series Blade Servers
- UCS C-Series M7 and M8 Rack Servers
- UCS C-Series Rack Servers with Fabric Interconnects in UCS Manager or Intersight Managed Mode (IMM)
- UCS X-Series Modular System
- Unified Edge

Cisco has determined that CVE-2026-20094 does not affect the following Cisco products:

- 5000 Series ENCS
- UCS E-Series Servers M3
- UCS S-Series Storage Servers with Fabric Interconnects in UCS Manager or Intersight Managed Mode (IMM)

Cisco has determined that CVE-2026-20095 and CVE-2026-20096 do not affect UCS S-Series Storage Servers with Fabric Interconnects in UCS Manager or Intersight Managed Mode (IMM).

Cisco has determined that CVE-2026-20097 does not affect the following Cisco products:

- 5000 Series ENCS
- Catalyst 8300 Series Edge uCPE
- UCS E-Series Servers
- UCS S-Series Storage Servers

## ^ Details

The vulnerabilities are not dependent on one another. Exploitation of one of the vulnerabilities is not required to exploit another vulnerability. In addition, a software release that is affected by one of the vulnerabilities may not be affected by the other vulnerabilities.

Details about the vulnerabilities are as follows:

### **CVE-2026-20094: Cisco IMC Command Injection Vulnerability**

A vulnerability in the web-based management interface of Cisco IMC could allow an authenticated, remote attacker with *read-only* privileges to perform command injection attacks on an affected system and execute arbitrary commands as the *root* user.

This vulnerability is due to improper validation of user-supplied input. An attacker could exploit this vulnerability by sending crafted commands to the web-based management interface of the affected software. A successful exploit could allow the attacker to execute arbitrary commands on the underlying operating system as the *root* user.

Cisco has released software updates that address this vulnerability. There are no workarounds that address this vulnerability.

Bug ID(s): [CSCwr60021](#), [CSCws00363](#)

CVE ID: CVE-2026-20094

Security Impact Rating (SIR): High

CVSS Base Score: 8.8

CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

### **CVE-2026-20095 and CVE-2026-20096: Cisco IMC Command Injection Vulnerabilities**

Two vulnerabilities in the web-based management interface of Cisco IMC could allow an authenticated, remote attacker with *admin*-level privileges to perform command injection attacks on an affected system and execute arbitrary commands as the *root* user.

These vulnerabilities are due to improper validation of user-supplied input. An attacker could exploit these vulnerabilities by sending crafted commands to the web-based management interface of the affected software. A successful exploit could allow the attacker to execute arbitrary commands on the underlying operating system as the *root* user.

Cisco has assigned these vulnerabilities a Security Impact Rating (SIR) of High rather than Medium as the score indicates because additional security implications could occur once the attacker has become *root*.

Cisco has released software updates that address these vulnerabilities. There are no workarounds that address these vulnerabilities.

Bug ID(s): [CSCwr60889](#), [CSCws00368](#), [CSCws00370](#), [CSCwr60894](#), [CSCws00376](#), [CSCws00378](#)

CVE ID: CVE-2026-20095, CVE-2026-20096

Security Impact Rating (SIR): High

CVSS Base Score: 6.5

CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:U/C:H/I:H/A:N

## CVE-2026-20097: Cisco IMC Remote Code Execution Vulnerability

A vulnerability in the web-based management interface of Cisco IMC could allow an authenticated, remote attacker with *admin*-level privileges to execute arbitrary code as the *root* user.

This vulnerability is due to improper validation of user-supplied input to the web-based management interface. An attacker could exploit this vulnerability by sending crafted HTTP requests to an affected device. A successful exploit could allow the attacker to execute arbitrary code on the underlying operating system as the *root* user.

Cisco has assigned this vulnerability a SIR of High rather than Medium as the score indicates because additional security implications could occur when the attacker becomes *root*.

Cisco has released software updates that address this vulnerability. There are no workarounds that address this vulnerability.

Bug ID(s): [CSCwr60925](#)

CVE ID: CVE-2026-20097

Security Impact Rating (SIR): High

CVSS Base Score: 6.5

CVSS Vector: CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:U/C:H/I:H/A:N

### ^ Workarounds

There are no workarounds that address these vulnerabilities.

### ^ Fixed Software

Cisco considers any workarounds and mitigations (if applicable) to be temporary solutions until an upgrade to a fixed software release is available. To fully remediate these vulnerabilities and avoid future exposure as described in this advisory, Cisco strongly recommends that customers upgrade to the fixed software indicated in this advisory.

## Fixed Releases

In the following tables, the left column lists Cisco software releases. The right column indicates whether a release is affected by the vulnerabilities that are described in this advisory and the first

release that includes the fix for these vulnerabilities. Customers are advised to upgrade to an appropriate [fixed software release](#) as indicated in this section.

## 5000 Series ENCS and Catalyst 8300 Series Edge uCPE

**Note:** Upgrading Cisco IMC on Cisco 5000 Series ENCS and Cisco Catalyst 8300 Series Edge uCPE requires upgrading Cisco Enterprise NFV Infrastructure Software (NFVIS) on the platforms. Cisco IMC is upgraded as part of the firmware auto-upgrade process.

Cisco NFVIS Release	First Fixed Release (ENCS)
4.15 and earlier	4.15.5

Cisco NFVIS Release	First Fixed Release (uCPE)
4.16 and earlier	Migrate to a fixed release.
4.18	4.18.3 (Apr 2026)
26.1	Not vulnerable.

## UCS C-Series M5 Rack Server

Cisco IMC Release	First Fixed Release
4.2 and earlier	Migrate to a fixed release.
4.3	4.3(2.260007)

## UCS C-Series M6 Rack Server

Cisco IMC Release	First Fixed Release
4.2 and earlier	Migrate to a fixed release.
4.3	4.3(6.260017)
6.0	6.0(2.260044)

## UCS E-Series M3

Cisco IMC Release	First Fixed Release
3.2 and earlier	3.2.17

## UCS E-Series M6

Cisco IMC Release	First Fixed Release
4.15 and earlier	4.15.3

## UCS S-Series Storage Server

Cisco IMC Release	First Fixed Release
4.2 and earlier	Migrate to a fixed release.
4.3	4.3(6.260017)

**Note:** For Cisco appliances that are based on a preconfigured version of a Cisco UCS C-Series Server, administrators can perform a direct upgrade of the Cisco IMC software to one of the fixed releases mentioned in the preceding tables. For instructions, see the [Cisco Host Upgrade Utility \(HUU\) User Guide](#). The exceptions are the appliances that are listed in the following table. For these appliances, follow the instructions in the **Remediation** column:

Cisco Hardware Platform	First Fixed Cisco IMC Release	Remediation
Cisco Telemetry Broker Appliances	6.0(2.260044) (M6)	Apply the firmware update <code>m6-tb2300-ctb-firmware-6.0-2.260044.iso</code> (Apr 2026).
IEC6400 Edge Compute Appliances	4.3(6.260017) (M6)	Apply the HUU upgrade using <code>IEC6400-HUU-4.3.6.img</code> .
Secure Endpoint Private Cloud Appliances	4.3(2.260007) (M5) 4.3(6.260017) (M6)	Upgrade to Release 4.2.5 or later, then follow the steps documented in the <a href="#">TechNote</a> .
Secure Firewall Management Center Appliances	4.3(2.260007) (M5) 4.3(6.260017) (M6)	Apply <a href="#">Hotfix FX</a> .
Secure Malware Analytics Appliances	4.3(2.260007) (M5) 4.3(6.260017) (M6)	Update the firmware using the <a href="#">Out-of-Band Firmware Update ISO</a> procedure.
Secure Network Analytics Appliances	4.3(2.260007) (M5) 6.0(2.260044) (M6)	For M5, install <a href="#">patch-common-SNA-FIRMWARE-20260210-M5-REL.iso</a> . For M6, a patch is due to be released in April 2026.
Secure Network Server Appliances	4.3(2.260007) (M5) 4.3(6.260017) (M6) 6.0(2.260044) (M6)	Apply the BIOS and HUU upgrade as documented in the Firmware Upgrade Guide for <a href="#">Cisco Secure Network Server 3600 Series</a> or <a href="#">Cisco Secure Network Server 3700 Series</a> .

The Cisco Product Security Incident Response Team (PSIRT) validates only the affected and fixed release information that is documented in this advisory.

## ^ Exploitation and Public Announcements

The Cisco PSIRT is not aware of any public announcements or malicious use of the vulnerabilities that are described in this advisory.

## ^ Source

Cisco would like to thank Grzegorz Misiun of ING Hubs Poland for reporting these vulnerabilities.

## ^ URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-cimc-cmd-inj-3hKN3bVt>

## ^ Revision History

Version	Description	Section	Status	Date
1.0	Initial public release.	-	Final	2026-APR-01

## ^ Legal Disclaimer

### SOFTWARE DOWNLOADS AND TECHNICAL SUPPORT

The [Cisco Support and Downloads](#) page on Cisco.com provides information about licensing and downloads. This page can also display customer device support coverage for customers who use the My Devices tool. Please note that customers may download only software that was procured from Cisco directly or through a Cisco authorized reseller or partner and for which the license is still valid.

Customers who purchase directly from Cisco but do not hold a Cisco service contract and customers who make purchases through third-party vendors but are unsuccessful in obtaining fixed software through their point of sale should obtain upgrades by contacting the [Cisco Technical Assistance Center \(TAC\)](#). Customers should have the product serial number available and be prepared to provide the URL of this advisory as evidence of entitlement to a free upgrade.

When [considering software upgrades](#), customers are advised to regularly consult [the advisories](#) for the relevant Cisco products to determine exposure and a complete upgrade solution. In all cases, customers should ensure that the devices to be upgraded contain sufficient memory and confirm that current hardware and software configurations will continue to be supported properly by the new release. If the information is not clear, customers are advised to contact the [Cisco Technical Assistance Center \(TAC\)](#) or their contracted maintenance providers.

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