



# Heap Buffer Overflow in DICOM Image Decoder (Palette Color Decode)

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2026-5443
<b>State</b>	PUBLISHED
<b>Assigner</b>	certcc
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-09 15:16:16 UTC
<b>Updated</b>	2026-04-14 20:19:55 UTC
<b>Description</b>	A heap buffer overflow vulnerability exists during the decoding of `PALETTE COLOR` DICOM images. Pixel length validation

## Risk And Classification

**Primary CVSS:** v3.1 9.8 CRITICAL from ADP

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

**EPSS:** 0.000620000 probability, percentile 0.192520000 (date 2026-04-15)

**Problem Types:** CWE-787 | CWE-190 Integer Overflow or Wraparound

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Orthanc-server</a>	<a href="#">Orthanc</a>	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	<a href="#">Orthanc</a>	<a href="#">DICOM Server</a>	affected 1.12.10 custom	Not specified

References

Reference	Source	Link	Tags
<a href="https://kb.cert.org/vuls/id/536588">kb.cert.org/vuls/id/536588</a>	<a href="mailto:cret@cert.org">cret@cert.org</a>	<a href="https://kb.cert.org">kb.cert.org</a>	Third Party Advisory, VDB Entry
<a href="https://www.orthanc-server.com">www.orthanc-server.com</a>	<a href="mailto:cret@cert.org">cret@cert.org</a>	<a href="https://www.orthanc-server.com">www.orthanc-server.com</a>	Product
<a href="https://www.machinespirits.de">www.machinespirits.de</a>	<a href="mailto:cret@cert.org">cret@cert.org</a>	<a href="https://www.machinespirits.de">www.machinespirits.de</a>	Not Applicable
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

© [CVE.report](#) 2026 |  
 Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.  
 CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).  
**Free CVE JSON API** [cve.report/api](https://cve.report/api)  
**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)