



# VMware Tools Authentication Bypass Vulnerability

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

## Summary

<b>CVE</b>	CVE-2023-20867
<b>State</b>	PUBLIC
<b>Assigner</b>	security@vmware.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-06-13 17:15:00 UTC
<b>Updated</b>	2023-10-16 18:15:00 UTC
<b>Description</b>	A fully compromised ESXi host can force VMware Tools to fail to authenticate host-to-guest operations, impacting the confi

## Risk And Classification

**EPSS:** 0.027190000 probability, percentile 0.858750000 (date 2026-04-02)

**CISA KEV:** Listed on 2023-06-23; due 2023-07-14; ransomware use Unknown

**Problem Types:** CWE-287

## CISA Known Exploited Vulnerability

<b>Vendor</b>	VMware
<b>Product</b>	Tools
<b>Name</b>	VMware Tools Authentication Bypass Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://www.vmware.com/security/advisories/VMSA-2023-0013.html">https://www.vmware.com/security/advisories/VMSA-2023-0013.html</a> ; <a href="https://nvd.nist.gov/vuln/detail/CVE-2023-20867">https://nvd.nist.gov/vuln/detail/CVE-2023-20867</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Vmware	Tools	All	All	All	All

## References

Reference	Source	Link
[SECURITY] Fedora 37 Update: open-vm-tools-12.3.0-1.fc37 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fedoraproject.org</a>
CVE-2023-20867 VMware Tools Vulnerability in NetApp Products   NetApp Product Security	MISC	<a href="#">security.netapp.com</a>
oss-security - CVE-2023-20867: open-vm-tools: Authentication Bypass vulnerability in the vgauth module	MISC	<a href="#">www.openwall.com</a>
Debian Security Information: DSA-5493-1 open-vm-tools	MISC	<a href="#">www.debian.org</a>

Debian -- Security information -- DSA-3493-1 open-vm-tools	MISC	<a href="http://www.debian.org">www.debian.org</a>
[SECURITY] [DLA 3531-1] open-vm-tools security update	MISC	<a href="http://lists.debian.org">lists.debian.org</a>
[SECURITY] Fedora 39 Update: open-vm-tools-12.3.0-1.fc39 - package-announce - Fedora Mailing-Lists	MISC	<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
VMSA-2023-0013	MISC	<a href="http://www.vmware.com">www.vmware.com</a>
oss-security - Re: CVE-2023-20867: open-vm-tools: Authentication Bypass vulnerability in the vgauth module	MISC	<a href="http://www.openwall.com">www.openwall.com</a>
[SECURITY] Fedora 38 Update: open-vm-tools-12.3.0-1.fc38 - package-announce - Fedora Mailing-Lists	MISC	<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="http://www.cisa.gov">www.cisa.gov</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[160758](#) Oracle Enterprise Linux Security Update for open-vm-tools (ELSA-2023-3944)

[160769](#) Oracle Enterprise Linux Security Update for open-vm-tools (ELSA-2023-3949)

[160770](#) Oracle Enterprise Linux Security Update for open-vm-tools (ELSA-2023-3948)

[199619](#) Ubuntu Security Notification for Open VM Tools Vulnerability (USN-6257-1)

[241768](#) Red Hat Update for open-vm-tools (RHSA-2023:3949)

[241769](#) Red Hat Update for open-vm-tools (RHSA-2023:3947)

[241770](#) Red Hat Update for open-vm-tools (RHSA-2023:3948)

[241771](#) Red Hat Update for open-vm-tools (RHSA-2023:3946)

[241772](#) Red Hat Update for open-vm-tools (RHSA-2023:3944)

[241773](#) Red Hat Update for open-vm-tools (RHSA-2023:3950)

[241774](#) Red Hat Update for open-vm-tools (RHSA-2023:3945)

[257243](#) CentOS Security Update for open-vm-tools (CESA-2023:3944)

[284506](#) Fedora Security Update for open (FEDORA-2023-df375d0634)

[284529](#) Fedora Security Update for open (FEDORA-2023-9b1a1023ac)

[285262](#) Fedora Security Update for open (FEDORA-2023-20b6ac4b6c)

[355586](#) Amazon Linux Security Advisory for open-vm-tools : ALAS2-2023-2139

[355637](#) Amazon Linux Security Advisory for open-vm-tools : ALAS2023-2023-259

[378578](#) VMware Tools Authentication Bypass Vulnerability (VMSA-2023-0013)

<a href="#">378711</a> Alibaba Cloud Linux Security Update for open-vm-tools (ALINUX3-SA-2023:0076)
<a href="#">378763</a> Alibaba Cloud Linux Security Update for open-vm-tools (ALINUX2-SA-2023:0031)
<a href="#">506132</a> Alpine Linux Security Update for open-vm-tools
<a href="#">6000023</a> Debian Security Update for open-vm-tools (DSA 5493-1)
<a href="#">6000029</a> Debian Security Update for open-vm-tools (DLA 3531-1)
<a href="#">6140302</a> AWS Bottlerocket Security Update for open-vm-tools (GHSA-hm65-gmgh-7m83)
<a href="#">754102</a> SUSE Enterprise Linux Security Update for open-vm-tools (SUSE-SU-2023:2530-1)
<a href="#">754124</a> SUSE Enterprise Linux Security Update for open-vm-tools (SUSE-SU-2023:2604-1)
<a href="#">941174</a> AlmaLinux Security Update for open-vm-tools (ALSA-2023:3949)
<a href="#">941176</a> AlmaLinux Security Update for open-vm-tools (ALSA-2023:3948)
<a href="#">960953</a> Rocky Linux Security Update for open-vm-tools (RLSA-2023:3948)
<a href="#">960956</a> Rocky Linux Security Update for open-vm-tools (RLSA-2023:3949)

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