



# CVE-2022-42898

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

## Summary

<b>CVE</b>	CVE-2022-42898
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-12-25 06:15:00 UTC
<b>Updated</b>	2023-10-08 09:15:00 UTC
<b>Description</b>	PAC parsing in MIT Kerberos 5 (aka krb5) before 1.19.4 and 1.20.x before 1.20.1 has integer overflows that may lead to re

## Risk And Classification

**Problem Types:** CWE-190

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Heimdal Project</a>	Heimdal	All	All	All	All
Application	<a href="#">Mit</a>	<a href="#">Kerberos 5</a>	All	All	All	All
Application	<a href="#">Mit</a>	<a href="#">Kerberos 5</a>	1.20	-	All	All
Application	<a href="#">Mit</a>	<a href="#">Kerberos 5</a>	1.20	beta1	All	All
Application	<a href="#">Samba</a>	<a href="#">Samba</a>	All	All	All	All

## References

Reference	Source	Link
Samba - Security Announcement Archive	CONFIRM	<a href="http://www.samba.org">www.samba.org</a>
Kerberos Security Advisories	MISC	<a href="http://web.mit.edu">web.mit.edu</a>
<a href="http://web.mit.edu/kerberos/krb5-1.20/README-1.20.1.txt">web.mit.edu/kerberos/krb5-1.20/README-1.20.1.txt</a>	CONFIRM	<a href="http://web.mit.edu">web.mit.edu</a>
15203 – (CVE-2022-42898) CVE-2022-42898 [SECURITY] krb5_pac_parse() buffer parsing vulnerability	MISC	<a href="http://bugzilla.samba.org">bugzilla.samba.org</a>
PAC parse integer overflows · Advisory · heimdal/heimdal · GitHub	CONFIRM	<a href="https://github.com">github.com</a>
Samba: Multiple Vulnerabilities (GLSA 202309-06) — Gentoo security	GENTOO	<a href="http://security.gentoo.org">security.gentoo.org</a>
December 2022 Heimdal Vulnerabilities in NetApp Products   NetApp Product Security	CONFIRM	<a href="http://security.netapp.com">security.netapp.com</a>
Kerberos 5 Release 1.19.4	CONFIRM	<a href="http://web.mit.edu">web.mit.edu</a>
Heimdal: Multiple Vulnerabilities (GLSA 202310-06) — Gentoo security	GENTOO	<a href="http://security.gentoo.org">security.gentoo.org</a>

Fix integer overflows in PAC parsing · krb5/krb5@ea92d2f · GitHub	CONFIRM	<a href="https://github.com">github.com</a>
CVE-2022-42898 MIT Kerberos 5 Vulnerability in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.com</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">160331</a> Oracle Enterprise Linux Security Update for krb5 (ELSA-2022-8638)
<a href="#">160335</a> Oracle Enterprise Linux Security Update for krb5 (ELSA-2022-8637)
<a href="#">160337</a> Oracle Enterprise Linux Security Update for krb5 (ELSA-2022-8640)
<a href="#">160454</a> Oracle Enterprise Linux Security Update for krb5 (ELSA-2023-12104)
<a href="#">181238</a> Debian Security Update for krb5 (DSA 5286-1)
<a href="#">181242</a> Debian Security Update for heimdal (DSA 5287-1)
<a href="#">181249</a> Debian Security Update for heimdal (DLA 3206-1)
<a href="#">181259</a> Debian Security Update for krb5 (DLA 3213-1)
<a href="#">183360</a> Debian Security Update for krb5sambaheimdal (CVE-2022-42898)
<a href="#">199102</a> Ubuntu Security Notification for Heimdal Vulnerabilities (USN-5800-1)
<a href="#">199130</a> Ubuntu Security Notification for Samba Vulnerabilities (USN-5822-1)
<a href="#">199133</a> Ubuntu Security Notification for Kerberos Vulnerabilities (USN-5828-1)
<a href="#">199228</a> Ubuntu Security Notification for Samba Vulnerabilities (USN-5936-1)
<a href="#">240941</a> Red Hat Update for krb5 (RHSA-2022:8639)
<a href="#">240944</a> Red Hat Update for krb5 (RHSA-2022:8640)
<a href="#">240945</a> Red Hat Update for krb5 (RHSA-2022:8637)
<a href="#">240947</a> Red Hat Update for krb5 (RHSA-2022:8638)
<a href="#">240950</a> Red Hat Update for krb5 (RHSA-2022:8662)
<a href="#">240951</a> Red Hat Update for krb5 (RHSA-2022:8669)
<a href="#">257203</a> CentOS Security Update for krb5 (CESA-2022:8640)
<a href="#">283332</a> Fedora Security Update for samba (FEDORA-2022-d680c70ebe)
<a href="#">283333</a> Fedora Security Update for krb5 (FEDORA-2022-78038a4441)

<a href="#">283334</a> Fedora Security Update for krb5 (FEDORA-2022-88cefef88c)
<a href="#">283360</a> Fedora Security Update for heimdal (FEDORA-2022-dba9ba8e2b)
<a href="#">283361</a> Fedora Security Update for heimdal (FEDORA-2022-cbbd105d08)
<a href="#">283375</a> Fedora Security Update for samba (FEDORA-2022-003403ec6b)
<a href="#">283404</a> Fedora Security Update for heimdal (FEDORA-2022-2c77cee4b5)
<a href="#">283411</a> Fedora Security Update for krb5 (FEDORA-2022-a1747aca80)
<a href="#">283413</a> Fedora Security Update for samba (FEDORA-2022-2156b74a6a)
<a href="#">296099</a> Oracle Solaris 11.4 Support Repository Update (SRU) 57.144.3 Missing (CPUAPR2023)
<a href="#">354651</a> Amazon Linux Security Advisory for krb5 : ALAS2-2023-1915
<a href="#">354675</a> Amazon Linux Security Advisory for krb5 : ALAS-2023-1667
<a href="#">354695</a> Amazon Linux Security Advisory for krb5 : ALAS2022-2023-272
<a href="#">354706</a> Amazon Linux Security Advisory for samba : ALAS2022-2023-271
<a href="#">354720</a> Amazon Linux Security Advisory for krb5 : ALAS-2023-1680
<a href="#">355064</a> Amazon Linux Security Advisory for krb5 : AL2012-2023-388
<a href="#">355224</a> Amazon Linux Security Advisory for krb5 : ALAS2023-2023-103
<a href="#">377816</a> Alibaba Cloud Linux Security Update for krb5 (ALINUX2-SA-2022:0055)
<a href="#">377818</a> Alibaba Cloud Linux Security Update for krb5 (ALINUX3-SA-2022:0186)
<a href="#">378488</a> NetApp Clustered Data Open Network Technology for Appliance Products (ONTAP) Denial of Service (DoS) Vulnerability (NTAP-20230223-0001)
<a href="#">390282</a> Oracle Managed Virtualization (VM) Server for x86 Security Update for krb5 (OVMSA-2023-0008)
<a href="#">502599</a> Alpine Linux Security Update for heimdal
<a href="#">502602</a> Alpine Linux Security Update for krb5
<a href="#">502620</a> Alpine Linux Security Update for samba
<a href="#">502655</a> Alpine Linux Security Update for heimdal
<a href="#">502733</a> Alpine Linux Security Update for krb5
<a href="#">503127</a> Alpine Linux Security Update for samba
<a href="#">503810</a> Alpine Linux Security Update for samba
<a href="#">503994</a> Alpine Linux Security Update for heimdal
<a href="#">505624</a> Alpine Linux Security Update for krb5

<a href="#">505934</a> Alpine Linux Security Update for samba
<a href="#">672546</a> EulerOS Security Update for samba (EulerOS-SA-2023-1112)
<a href="#">672570</a> EulerOS Security Update for samba (EulerOS-SA-2023-1136)
<a href="#">672577</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1321)
<a href="#">672587</a> EulerOS Security Update for samba (EulerOS-SA-2023-1336)
<a href="#">672630</a> EulerOS Security Update for samba (EulerOS-SA-2023-1371)
<a href="#">672635</a> EulerOS Security Update for samba (EulerOS-SA-2023-1399)
<a href="#">672672</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1425)
<a href="#">672679</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1410)
<a href="#">672695</a> EulerOS Security Update for samba (EulerOS-SA-2023-1417)
<a href="#">672699</a> EulerOS Security Update for samba (EulerOS-SA-2023-1432)
<a href="#">672724</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1445)
<a href="#">672780</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1470)
<a href="#">672809</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1527)
<a href="#">672829</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-1552)
<a href="#">673105</a> EulerOS Security Update for krb5 (EulerOS-SA-2023-2153)
<a href="#">673107</a> EulerOS Security Update for samba (EulerOS-SA-2023-2168)
<a href="#">690991</a> Free Berkeley Software Distribution (FreeBSD) Security Update for krb5 (094e4a5b-6511-11ed-8c5e-206a8a720317)
<a href="#">691336</a> Free Berkeley Software Distribution (FreeBSD) Security Update for mysql (22df5074-71cd-11ee-85eb-84a93843eb75)
<a href="#">710751</a> Gentoo Linux Samba Multiple Vulnerabilities (GLSA 202309-06)
<a href="#">710767</a> Gentoo Linux Heimdal Multiple Vulnerabilities (GLSA 202310-06)
<a href="#">752841</a> SUSE Enterprise Linux Security Update for krb5 (SUSE-SU-2022:4154-1)
<a href="#">752868</a> SUSE Enterprise Linux Security Update for krb5 (SUSE-SU-2022:4155-1)
<a href="#">752895</a> SUSE Enterprise Linux Security Update for krb5 (SUSE-SU-2022:4167-1)
<a href="#">752931</a> SUSE Enterprise Linux Security Update for krb5 (SUSE-SU-2022:4153-1)
<a href="#">752971</a> SUSE Enterprise Linux Security Update for krb5 (SUSE-SU-2022:4335-1)
<a href="#">752999</a> SUSE Enterprise Linux Security Update for samba (SUSE-SU-2022:4395-1)
<a href="#">753517</a> SUSE Enterprise Linux Security Update for samba (SUSE-SU-2023:0081-1)
<a href="#">753537</a> SUSE Enterprise Linux Security Update for samba (SUSE-SU-2023:0100-1)

<a href="#">753587</a> SUSE Enterprise Linux Security Update for samba (SUSE-SU-2023:0160-1)
<a href="#">753591</a> SUSE Enterprise Linux Security Update for krb5 (SUSE-SU-2023:0198-1)
<a href="#">904791</a> Common Base Linux Mariner (CBL-Mariner) Security Update for heimdal (12125)
<a href="#">904792</a> Common Base Linux Mariner (CBL-Mariner) Security Update for krb5 (12128)
<a href="#">904796</a> Common Base Linux Mariner (CBL-Mariner) Security Update for samba (12123)
<a href="#">904797</a> Common Base Linux Mariner (CBL-Mariner) Security Update for krb5 (12133)
<a href="#">905238</a> Common Base Linux Mariner (CBL-Mariner) Security Update for krb5 (12133-1)
<a href="#">905346</a> Common Base Linux Mariner (CBL-Mariner) Security Update for heimdal (12125-1)
<a href="#">905349</a> Common Base Linux Mariner (CBL-Mariner) Security Update for krb5 (12128-1)
<a href="#">940850</a> AlmaLinux Security Update for krb5 (ALSA-2022:8638)
<a href="#">940853</a> AlmaLinux Security Update for krb5 (ALSA-2022:8637)
<a href="#">960467</a> Rocky Linux Security Update for krb5 (RLSA-2022:8638)
<a href="#">960580</a> Rocky Linux Security Update for krb5 (RLSA-2022:8637)

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