



# CVE-2021-20231

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

## Summary

<b>CVE</b>	CVE-2021-20231
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-03-12 19:15:00 UTC
<b>Updated</b>	2023-11-07 03:29:00 UTC
<b>Description</b>	A flaw was found in gnutls. A use after free issue in client sending key_share extension may lead to memory corruption and

## Risk And Classification

**Problem Types:** CWE-416

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	34	All	All	All
Application	<a href="#">Gnu</a>	<a href="#">Gnutls</a>	All	All	All	All
Application	<a href="#">Gnu</a>	<a href="#">Gnutls</a>	All	All	All	All
Application	<a href="#">Netapp</a>	<a href="#">Active Iq Unified Manager</a>	-	All	All	All
Application	<a href="#">Netapp</a>	<a href="#">E-series Performance Analyzer</a>	-	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All

## References

Reference	Source
[spark-issues] 20210430 [jira] [Commented] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
[spark-issues] 20210429 [jira] [Commented] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
Pony Mail!	MLIST
Pony Mail!	MLIST
[spark-issues] 20210413 [jira] [Created] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
GnuTLS	MISC
[SECURITY] Fedora 34 Update: gnutls-3.7.1-2.fc34 - package-announce - Fedora Mailing-Lists	
[spark-issues] 20210423 [jira] [Resolved] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	

Pony Mail!	MLIST
[SECURITY] Fedora 34 Update: gnutls-3.7.1-2.fc34 - package-announce - Fedora Mailing-Lists	FEDORA
Pony Mail!	MLIST
Pony Mail!	MLIST
[spark-issues] 20210426 [jira] [Updated] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
Pony Mail!	MLIST
[spark-issues] 20210426 [jira] [Commented] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
[spark-issues] 20210417 [jira] [Commented] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
Pony Mail!	MLIST
March 2021 GnuTLS Vulnerabilities in NetApp Products   NetApp Product Security	CONFIR
Pony Mail!	MLIST
1922276 – (CVE-2021-20231) CVE-2021-20231 gnutls: Use after free in client key_share extension	MISC
[spark-issues] 20210425 [jira] [Commented] (SPARK-35054) Getting Critical Vulnerability CVE-2021-20231 on spark 3.0.0 branch	
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">159515</a> Oracle Enterprise Linux Security Update for gnutls and nettle (ELSA-2021-4451)
<a href="#">159717</a> Oracle Enterprise Linux Security Update for gnutls (ELSA-2022-9221)
<a href="#">174833</a> SUSE Enterprise Linux Security update for gnutls (SUSE-SU-2021:0934-1)
<a href="#">174836</a> SUSE Enterprise Linux Security update for gnutls (SUSE-SU-2021:0935-1)
<a href="#">174852</a> SUSE Enterprise Linux Security update for gnutls (SUSE-SU-2021:0934-1)
<a href="#">174855</a> SUSE Enterprise Linux Security update for gnutls (SUSE-SU-2021:0935-1)
<a href="#">180548</a> Debian Security Update for gnutls28 (CVE-2021-20231)
<a href="#">198448</a> Ubuntu Security Notification for GnuTransport Layer Security vulnerabilities (USN-5029-1)
<a href="#">239785</a> Red Hat Update for gnutls and nettle security (RHSA-2021:4451)
<a href="#">281477</a> Fedora Security Update for gnutls (FEDORA-2021-18bef34f05)
<a href="#">296059</a> Oracle Solaris 11.4 Support Repository Update (SRU) 36.0.1.101.2 Missing (CPUJUL2021)
<a href="#">500235</a> Alpine Linux Security Update for gnutls
<a href="#">501415</a> Alpine Linux Security Update for gnutls

<a href="#">503982</a> Alpine Linux Security Update for gnutls
<a href="#">591406</a> Siemens SIMATIC S7-1500 CPU GNU/Linux subsystem Multiple Vulnerabilities (SSB-439005, ICSA-22-104-13)
<a href="#">670487</a> EulerOS Security Update for gnutls (EulerOS-SA-2021-2245)
<a href="#">670513</a> EulerOS Security Update for gnutls (EulerOS-SA-2021-2271)
<a href="#">671037</a> EulerOS Security Update for gnutls (EulerOS-SA-2021-2632)
<a href="#">750298</a> OpenSUSE Security Update for gnutls (openSUSE-SU-2021:0470-1)
<a href="#">900025</a> CBL-Mariner Linux Security Update for gnutls 3.6.14
<a href="#">901655</a> Common Base Linux Mariner (CBL-Mariner) Security Update for gnutls (6446-1)
<a href="#">903051</a> Common Base Linux Mariner (CBL-Mariner) Security Update for gnutls (3972)
<a href="#">940170</a> AlmaLinux Security Update for gnutls and nettle (ALSA-2021:4451)

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