CVE-2022-25647

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Summary

CVE	CVE-2022-25647
State	PUBLIC
Assigner	report@snyk.io
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-05-01 16:15:00 UTC
Updated	2022-11-28 17:33:00 UTC
Description	The package com.google.code.gson:gson before 2.8.9 are vulnerable to Deserialization of Untrusted Data via the writeRep

Risk And Classification

Problem Types: CWE-502

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	11.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Google	Gson	All	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Oracle	Financial Services Crime And Compliance Management Studio	8.0.8.2.0	All	All	All
Application	Oracle	Financial Services Crime And Compliance Management Studio	8.0.8.3.0	All	All	All
Application	Oracle	Graalvm	20.3.6	All	All	All
Application	Oracle	Graalvm	21.3.2	All	All	All
Application	Oracle	Graalvm	22.1.0	All	All	All
Application	Oracle	Retail Order Broker	18.0	All	All	All
Application	Oracle	Retail Order Broker	19.1	All	All	All

References

Reference	Source	Link

Deserialization of Untrusted Data in com.google.code.gson:gson | Snyk	MISC	snyk.io
[SECURITY] [DLA 3100-1] libgoogle-gson-java security update	MLIST	lists.debian.org
Debian -- Security Information -- DSA-5227-1 libgoogle-gson-java	DEBIAN	www.debian.org
Prevent Java deserialization of internal classes by Marcono1234 · Pull Request #1991 · google/gson · GitHub	MISC	github.com
Prevent Java deserialization of internal classes by Marcono1234 · Pull Request #1991 · google/gson · GitHub	MISC	github.com
CVE-2022-25647 Google Gson Vulnerability in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.
Oracle Critical Patch Update Advisory - July 2022	N/A	www.oracle.com
[SECURITY] [DLA 3001-1] libgoogle-gson-java security update	MLIST	lists.debian.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

Vendor Comments And Credit

Discovery Credit

LEGACY: Marcono1234

Legacy QID Mappings

- 179282 Debian Security Update for libgoogle-gson-java (DLA 3001-1)
- 180999 Debian Security Update for libgoogle-gson-java (DLA 3100-1)
- 181000 Debian Security Update for libgoogle-gson-java (DSA 5227-1)
- 184703 Debian Security Update for libgoogle-gson-java (CVE-2022-25647)
- 200185 Ubuntu Security Notification for Gson Vulnerability (USN-6692-1)
- 20270 Oracle Database 21c Critical Patch Update - October 2022
- 20271 Oracle Database 19c Critical Patch Update - October 2022
- 20272 Oracle Database 19c Critical OJVM Patch Update - October 2022
- 240589 Red Hat Update for JBoss Enterprise Application Platform 7.4.6 (RHSA-2022:5893)
- 240590 Red Hat Update for JBoss Enterprise Application Platform 7.4.6 (RHSA-2022:5892)
- 240591 Red Hat Update for red hat jboss enterprise application platform 7.4.6 (RHSA-2022:5894)
- 376941 F5 BIG-IP Gson Denial of Service (DoS) Vulnerability (K00994461)
- 377645 Oracle PeopleSoft Enterprise PeopleTools Product Multiple Vulnerabilities (CPUOCT2022)
- 378991 Atlassian Jira Service Management Server and Data Center Critical Severity Authentication Vulnerability (JSDSERVER-14007)
- 502455 Alpine Linux Security Update for openjdk15

502456 Alpine Linux Security Update for openjdk17

502468 Alpine Linux Security Update for openjdk11

502484 Alpine Linux Security Update for openjdk13

502578 Alpine Linux Security Update for openjdk11

752220 SUSE Enterprise Linux Security Update for google-gson (SUSE-SU-2022:2044-1)

87530 Oracle WebLogic Server Multiple Vulnerabilities (CPUJAN2023)