



Remote Code Execution via Unsafe Class Loading in Amazon Redshift JDBC Driver

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

Summary

CVE	CVE-2026-8178
State	PUBLISHED
Assigner	AMZN
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-08 19:16:31 UTC
Updated	2026-05-12 14:13:03 UTC
Description	An issue exists in Amazon Redshift JDBC Driver versions prior to 2.2.2. Under certain conditions, the driver could load and

Risk And Classification

Primary CVSS: v4.0 9.2 CRITICAL from ff89ba41-3aa1-4d27-914a-91399e9639e5

CVSS:4.0/AV:N/AC:H/AT:P/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000660000 probability, percentile 0.201990000 (date 2026-05-12)

Problem Types: CWE-470 | CWE-470 CWE-470: Use of Externally-Controlled Input to Select Classes or Code

Version	Source	Type	Score	Severity	Vector
4.0	ff89ba41-3aa1-4d27-914a-91399e9639e5	Secondary	9.2	CRITICAL	CVSS:4.0/AV:N/AC:H/AT:P/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
4.0	CNA	CVSS	9.2	CRITICAL	CVSS:4.0/AV:N/AC:H/AT:P/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
3.1	ff89ba41-3aa1-4d27-914a-91399e9639e5	Secondary	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	CVSS	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

Present

Privileges Required

None

User Interaction

None

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:P/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSG:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Amazon	Amazon Redshift JDBC Driver	unaffected 2.2.2	Not specified

References

Reference	Source	Link
aws.amazon.com/security/security-bulletins/2026-028-aws	ff89ba41-3aa1-4d27-914a-91399e9639e5	aws.amazon.cc
github.com/aws/amazon-redshift-jdbc-driver/security/advisories/GHSA-wmmv...	ff89ba41-3aa1-4d27-914a-91399e9639e5	github.com
github.com/aws/amazon-redshift-jdbc-driver/releases/tag/v2.2.2	ff89ba41-3aa1-4d27-914a-91399e9639e5	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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