CVE-2022-41946

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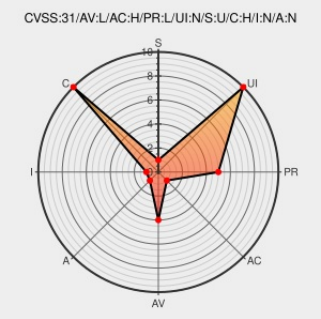
CVE-2022-41946 - advisory for GHSA-562r-vg33-8x8h

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Postgresql Jdbc Driver from Postgresql contain the following vulnerability:

pgjdbc is an open source postgresql JDBC Driver. In affected versions a prepared statement using either `PreparedStatement.setText(int, InputStream)` or `PreparedStatemet.setBytea(int, InputStream)` will create a temporary file if the InputStream is larger than 2k. This will create a temporary file which is readable by other users on Unix like systems, but not MacOS. On Unix like systems, the system's temporary directory is shared between all users on that system. Because of this, when files and directories are written into this directory they are, by default, readable by other users on that same system. This vulnerability does not allow other users to overwrite the contents of these directories or files. This is purely an information disclosure vulnerability. Because certain JDK file system APIs were only added in JDK 1.7, this this fix is dependent upon the version of the JDK you are using. Java 1.7 and higher users: this vulnerability is fixed in 4.5.0. Java 1.6 and lower users: no patch is available. If you are unable to patch, or are stuck running on Java 1.6, specifying the java.io.tmpdir system environment variable to a directory that is exclusively owned by the executing user will mitigate this vulnerability.

CVE-2022-41946 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **pgjdbc** - **pgjdbc** version **>= 42.2.0, < 42.2.27**

Affected Vendor/Software: **pgjdbc** - **pgjdbc** version **> 42.3.0, < 42.3.8**

Affected Vendor/Software: **pgjdbc** - **pgjdbc** version **>= 42.4.0, < 42.4.3**

Affected Vendor/Software: **pgjdbc** - **pgjdbc** version **>= 42.5.0, < 42.5.1**

CVSS3 Score: 5.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE

Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	NONE	NONE

CVE References

Description	Tags	Link
Merge pull request from GHSA-562r-vg33-8x8h · pgjdbc/pgjdbc@9008dc9 · GitHub	github.com text/html	MISC github.com/pgjdbc/pgjdbc/commit/9008dc9aade6dbfe4efafcd6872ebc55f4699cf5
TemporaryFolder on unix-like systems does not limit access to created files · Advisory · pgjdbc/pgjdbc · GitHub	github.com text/html	CONFIRM github.com/pgjdbc/pgjdbc/security/advisories/GHSA-562r-vg33-8x8h

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Postgresql	Postgresql Jdbc Driver	All	All	All	All
Application	Postgresql	Postgresql Jdbc Driver	42.5.0	-	All	All
Application	Postgresql	Postgresql Jdbc Driver	42.5.0	rc1	All	All
Application	Postgresql	Postgresql Jdbc Driver	All	All	All	All
Application	Postgresql	Postgresql Jdbc Driver	All	All	All	All

cpe:2.3:a:postgresql:postgresql_jdbc_driver:*:*:*:*:*:*:*:*:

cpe:2.3:a:postgresql:postgresql_jdbc_driver:42.5.0:-:*:*:*:*:*:*:

cpe:2.3:a:postgresql:postgresql_jdbc_driver:42.5.0:rc1:*:*:*:*:*:*:

cpe:2.3:a:postgresql:postgresql_jdbc_driver:*:*:*:*:*:*:*:*:

cpe:2.3:a:postgresql:postgresql_jdbc_driver:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@PostgreSQL	News: PostgreSQL JDBC 42.5.1, 42.4.3, 42.3.8, 42.2.27.jre7 Security update for CVE-2022-41946 postgresql.org/about/news/pos…	2022-11-23 17:30:03
@dev_talk	PostgreSQL JDBC 42.5.1, 42.4.3, 42.3.8, 42.2.27.jre7 Security update for CVE-2022-41946 forum.devtalk.com/t/84177… twitter.com/i/web/status/1…	2022-11-23 18:05:34

@CVEreport	CVE-2022-41946 : pgjdbc is an open source postgresql JDBC Driver. In affected versions a prepared statement using e… twitter.com/i/web/status/1…	2022-11-23 20:04:25
/r/netcve	CVE-2022-41946	2022-11-23 20:38:42

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