CVE-2019-9193

Published on: 04/01/2019 12:00:00 AM UTC

Last Modified on: 11/07/2023 03:13:00 AM UTC

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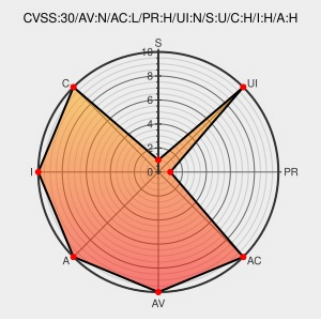

Certain versions of Postgresql from Postgresql contain the following vulnerability:

** DISPUTED ** In PostgreSQL 9.3 through 11.2, the "COPY TO/FROM PROGRAM" function allows superusers and users in the 'pg_execute_server_program' group to execute arbitrary code in the context of the database's operating system user. This functionality is enabled by default and can be abused to run arbitrary operating system commands on Windows, Linux, and macOS. NOTE: Third parties claim/state this is not an issue because PostgreSQL functionality for ‘COPY TO/FROM PROGRAM’ is acting as intended. References state that in PostgreSQL, a superuser can execute commands as the server user without using the ‘COPY FROM PROGRAM’.

CVE-2019-9193 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.2 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	HIGH	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 9 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Internet Archive: Scheduled Maintenance	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/166540/PostgreSQL-11.7-Remote-Code-Execution.html
Authenticated Arbitrary Command Execution on PostgreSQL 9.3 > Latest | Trustwave	Third Party Advisory www.trustwave.com text/html	MISC www.trustwave.com/en-us/resources/blogs/spiderlabs-blog/authenticated-arbitrary-command-execution-on-postgresql-9-3/
Postgres 9.3 feature highlight - COPY TO/FROM PROGRAM	Third Party Advisory paquier.xyz text/html	MISC paquier.xyz/postgresql-2/postgres-9-3-feature-highlight-copy-tofrom-program/
When a vulnerability is not a vulnerability - Magnus Hagander's blog	Third Party Advisory blog.hagander.net text/html	MISC blog.hagander.net/when-a-vulnerability-is-not-a-vulnerability-244/
PostgreSQL COPY FROM PROGRAM Command Execution ≈ Packet Storm	Third Party Advisory packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/152757/PostgreSQL-COPY-FROM-PROGRAM-Command-Execution.html
Authenticated Arbitrary Command Execution on PostgreSQL 9.3 > Latest	Exploit Third Party Advisory medium.com text/html	MISC medium.com/greenwolf-security/authenticated-arbitrary-command-execution-on-postgresql-9-3-latest-cd18945914d5
PostgreSQL 9.6.1 Remote Code Execution ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/171722/PostgreSQL-9.6.1-Remote-Code-Execution.html
CVE-2019-9193 PostgreSQL in NetApp Products | NetApp Product Security	Third Party Advisory security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20190502-0003/

There are currently no QIDs associated with this CVE

Exploit/POC from Github

PostgreSQL Remote Code Executuon

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Postgresql	Postgresql	All	All	All	All

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

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)

@twuttersupport	(2) ,cve-2015-4642,cve-2009-4143,cve-2019-0708,cve-2019-9193,cve-2007-1581,cve-2011-4109,cve-2008-5557,cve-2004-049… twitter.com/i/web/status/1…	2021-05-12 03:59:51
@johnk3r	This shell is part of the post-exploration of CVE-2019-9193. The objective is to do bitcoin mining. The observed… twitter.com/i/web/status/1…	2021-07-21 22:56:50
@GuillermoVersus	Si una prestación puede ser insegura o no según su uso ¿se convierte en vulnerabilidad? security-tracker.debian.org/tracker/CVE-20…	2021-11-13 08:31:36
@grambulf	@JGamblin How do you feel about this one? (If I may ask) postgresql.org/about/news/cve… blog.hagander.net/when-a-vulnera…	2021-12-08 14:59:41
@grambulf	@JGamblin I agree with you. As far as I remember some said that the Postgres CVE-2019-9193 should never have been a… twitter.com/i/web/status/1…	2021-12-08 15:44:47

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