CVE-2020-7221

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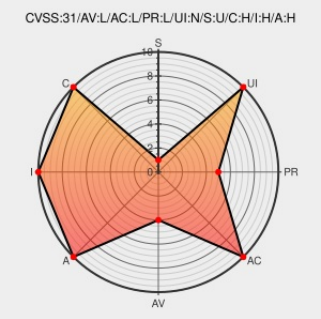

Certain versions of Mariadb from Mariadb contain the following vulnerability:

mysql_install_db in MariaDB 10.4.7 through 10.4.11 allows privilege escalation from the mysql user account to root because chown and chmod are performed unsafely, as demonstrated by a symlink attack on a chmod 04755 of auth_pam_tool_dir/auth_pam_tool. NOTE: this does not affect the Oracle MySQL product, which implements mysql_install_db differently.

CVE-2020-7221 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 7.2 - HIGH

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Bug 1160868 – VUL-0: CVE-2020-7221: mariadb: auth_pam_tool runtime permission setting allows	Exploit, Issue Tracking	MISC bugzilla.suse.com/show_bug.cgi?id=1160868

privilege escalation from mysql user to root	Third Party Advisory bugzilla.suse.com text/html	
oss-sec: CVE-2020-7221: mariadb: possible local mysql to root user exploit in mysql_install_db script setting permissions of /usr/lib64/mysql/plugin/auth_pam_tool_dir/auth_pam_tool	Exploit Mailing List Third Party Advisory seclists.org text/html	MISC seclists.org/oss-sec/2020/q1/55
rpm/deb and auth_pam_tool_dir/auth_pam_tool · MariaDB/server@9d18b62 · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/MariaDB/server/commit/9d18b6246755472c832

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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

cpe:2.3:a:mariadb:mariadb:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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