

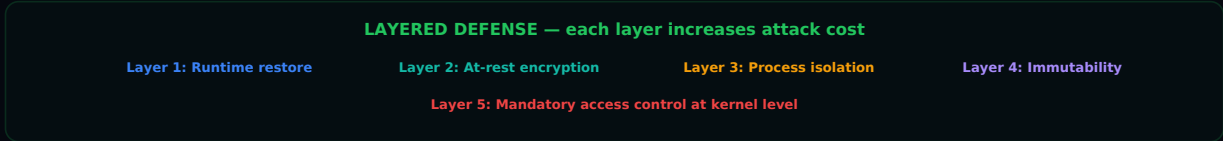
■■■■ MariaDB ■■■■

Sylvain ARBAUDIE · 2025 6 8

MARIADB SECURITY HARDENING SYSTEMD SELINUX

CYBERSEC MARIADB — ROUND 2: ADVANCED HARDENING

5 layers of defense — init_file + LUKS + systemd + chattr + SELinux



Security is a spectrum — make the attack costly enough to discourage it

■■■■

MariaDB / MySQL ■■■■ TLS ■■■■ — ■■■■ DBA ■■■■

init_file ■■■■

init_file ■■■■ SQL ■■■■

LUKS ■■■■

LUKS ■■■■ LUKS ■■■■ — ■■■■ TPM ■■■■ USB ■■■■

systemd defaults-file PrivateMounts

systemd defaults-file PrivateMounts=yes ProtectHome=yes ProtectSystem=strict NoNewPrivileges=yes PrivateTmp=yes

chattr ■■■■

+i ■■■■ root ■■■■ root ■■■■ MariaDB ■■■■ — ■■■■

SELinux

SELinux MariaDB MariaDB SELinux

init_file		
LUKS		
systemd		
chattr +i		root
SELinux		MariaDB

MariaDB —

Medium