مجلس الأمن السيبراني
CYBER SECURITY COUNCIL

United Arab Emirates

Security Updates – Android

Tracking #:432317668

Date:03-09-2025

TLP: WHITE

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Google has released the September 2025 Android Security Bulletin, addressing a large set of vulnerabilities including two exploited vulnerabilities.

TECHNICAL DETAILS:

Google has released the September 2025 Android Security Bulletin, addressing a large set of vulnerabilities including two exploited vulnerabilities across Android Framework, System, Kernel, and vendor components from MediaTek, Qualcomm, and Arm.

The most severe issue involves a **critical remote code execution (RCE) vulnerability in the Android System component (CVE-2025-48539)** that requires **no user interaction** and could allow an attacker within **Wi-Fi or Bluetooth proximity** to fully compromise a device.

Notably, **two vulnerabilities are under active exploitation in the wild**:

- **CVE-2025-38352 (Kernel, CVSS 7.4):** Race condition in posix-cpu-timers allowing DoS and instability.
- **CVE-2025-48543 (Android Runtime):** Local privilege escalation vulnerability with confirmed exploitation attempts.

Given the presence of active exploits and critical flaws, Android users and organizations are urged to apply the September 2025-09-05 security patch level immediately to mitigate risks of device compromise, data theft, and potential lateral movement within enterprise networks.

RECOMMENDATIONS:

- Update Immediately: Ensure devices are updated to Android security patch level 2025-09-05 or later.
- Patch Management: Prioritize rollout of September 2025 updates across all corporate-owned devices.
- Vulnerability Monitoring: Track devices for CVE-2025-38352 and CVE-2025-48543 exploitation attempts.
- Mobile Threat Defense (MTD): Deploy endpoint security tools capable of detecting privilege escalation and kernel exploitation attempts.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- https://source.android.com/docs/security/bulletin/2025-09-01