

مجلس الأمان السيبراني
CYBER SECURITY COUNCIL



Security Updates - Android

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Google has released security updates to patch multiple vulnerabilities in the Android OS.

TECHNICAL DETAILS:

Google has released the August 2025 Android Security Bulletin, addressing multiple critical and high-severity vulnerabilities affecting Android devices. Users are strongly urged to update to the latest security patch level to mitigate risks posed by these threats — particularly a critical Remote Code Execution (RCE) vulnerability in the core System component.

Key Vulnerabilities:

Critical RCE in System Component – CVE-2025-48530

- This vulnerability can be exploited remotely without user interaction or additional execution privileges. It may be used in chained attacks with other bugs to fully compromise devices.
- Impact: Remote Code Execution without user interaction

High-Severity Issues

Local Privilege Escalation in Android Framework

- CVE-2025-22441
- CVE-2025-48533
- Impact: Apps could gain unauthorized system-level access

Third-Party Component Vulnerabilities

Google also disclosed critical and high-severity issues in hardware components from Arm and Qualcomm:

- CVE-2025-0932 – Arm
- CVE-2025-27038, CVE-2025-21479 – Qualcomm

Note: Refer to the Android Security Bulletin for additional CVEs and more information.

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating Android devices to the latest version.

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/2025-08-01>