مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Security Updates – Samsung Mobile

Tracking #:432316708

Date:07-01-2025

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Samsung Mobile has released security updates for its major flagship models to address multiple vulnerabilities.

TECHNICAL DETAILS:

Samsung Mobile has released a Security Maintenance Release (SMR) for its major flagship models as part of the January 2025 security update process. This SMR package includes critical security patches from both Google and Samsung to address various vulnerabilities.

Google Security Patches:

The Android Security Bulletin for January 2025 addresses multiple vulnerabilities, including:

Critical
CVE-2024-43096, CVE-2024-43770, CVE-2024-43771, CVE-2024-49747, CVE-2024-49748

High
CVE-2024-43077, CVE-2024-43701, CVE-2024-33056, CVE-2024-33044, CVE-2024-43052, CVE-2022-42545, CVE-2024-49732, CVE-2024-49735, CVE-2024-49737, CVE-2024-49738, CVE-2024-49744, CVE-2024-49745, CVE-2023-40108, CVE-2024-49733, CVE-2023-40132, CVE-2024-49749, CVE-2024-34722, CVE-2024-34730, CVE-2024-43095, CVE-2024-43765, CVE-2024-49742, CVE-2024-49734, CVE-2024-43763, CVE-2024-49736

Samsung-specific Patches:

Samsung has included 22 Samsung Vulnerabilities and Exposures (SVE) items in this release. Some notable SVEs are:

- SVE-2024-0274 (CVE-2025-20881) and SVE-2024-0308 (CVE-2025-20882): High-severity out-of-bounds write vulnerabilities in libsthmbc.so that could allow local attackers to execute arbitrary code with privileges.
- SVE-2024-1217 (CVE-2025-20883) and SVE-2024-1527 (CVE-2025-20884): High-severity improper access control issues in SoundPicker and Samsung Message, respectively, allowing physical attackers to access data across multiple user profiles.
- SVE-2024-2171 (CVE-2025-20892): A high-severity protection mechanism failure in the bootloader of select devices using MediaTek chipsets, potentially allowing physical attackers to execute fastboot commands.

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the security updates recently released by Samsung.

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://security.samsungmobile.com/securityUpdate.smsb