June 13, 2024

Overall Rating: High

This is a technical bulletin intended for technical audiences.

Summary

The Pixel Update Bulletin contains details of security vulnerabilities and functional improvements affecting supported Pixel devices (Google devices). For Google devices, security patch levels of 2024-06-05 or later address all issues in this bulletin and all issues in the June 2024 Android Security Bulletin.

Google has released patches for 50 security vulnerabilities impacting its Pixel devices and warned that CVE-2024-32896 has been exploited in targeted attacks as a zero-day. CVE-2024-32896, this elevation of privilege (EoP) vulnerability in the Pixel firmware has been rated a high-severity security issue.

Technical Details

Vulnerabilities are grouped under the component that they affect in the link below. There is a description of the issue in a table with the CVE, associated references, type of vulnerability, severity, and updated Android Open-Source Project (AOSP) versions (where applicable). When available, the public change that addressed the issue, like the AOSP change list. When multiple changes relate to a single vulnerability, additional references are linked to numbers following the vulnerability ID.

Exploitability Metrics
Attack Vector: Network
Attack Complexity: Low
Privileges Required: None
User Interaction: None

This vulnerability is rated as a **HIGH** risk. A software update exists to address this risk.

Action Required

- Locate the device or application and investigate.
- Notify business owner(s).
- Perform mitigating actions, as required.

Please notify VRM with any questions or concerns you may have atVulnerabilityandRiskManagement@gov.bc.ca.

References

- CVE-2024-32891, CVE-2024-32892, CVE-2024-32899, CVE-2024-32906, CVE-2024-32908, CVE-2024-32909, CVE-2024-32922, CVE-2024-29786, CVE-2024-32905, CVE-2024-32913, CVE-2024-32925, CVE-2024-32895, CVE-2024-32896, CVE-2024-32901, CVE-2024-32907, CVE-2024-32911, CVE-2024-32917, CVE-2024-29780, CVE-2024-29781, CVE-2024-29785, CVE-2024-32893, CVE-2024-32894, CVE-2024-32910, CVE-2024-32914, CVE-2024-32916, CVE-2024-32918, CVE-2024-32920, CVE-2024-32930, CVE-2023-50803, CVE-2024-32902, CVE-2024-32923, CVE-2024-29784, CVE-2024-29787, CVE-2024-32900, CVE-2024-32903, CVE-2024-32919, CVE-2024-32921, CVE-2024-29778, CVE-2024-32897, CVE-2024-32898, CVE-2024-32904, CVE-2024-32915, CVE-2024-32926, CVE-2024-32912, CVE-2024-32924
- Pixel Update Bulletin—June 2024
- VRM Vulnerability Reports