



CVE-2023-25193

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

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|------------------------|---|
| CVE | CVE-2023-25193 |
| State | PUBLIC |
| Assigner | cve@mitre.org |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2023-02-04 20:15:00 UTC |
| Updated | 2023-11-07 04:08:00 UTC |
| Description | hb-ot-layout-gsubgpos.hh in HarfBuzz through 6.0.0 allows attackers to trigger O(n^2) growth via consecutive marks during |

Risk And Classification

Problem Types: CWE-770

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|----------------------------------|--------------------------|---------|--------|---------|----------|
| Operating System | Fedoraproject | Fedora | 36 | All | All | All |
| Application | Harfbuzz Project | Harfbuzz | All | All | All | All |

References

| Reference | Source | Link |
|--|---------|-------------------------------|
| [SECURITY] Fedora 36 Update: chromium-110.0.5481.77-1.fc36 - package-announce - Fedora Mailing-Lists | | lists.fedorap |
| [SECURITY] Fedora 38 Update: harfbuzz-7.0.1-2.fc38 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedorap |
| July 2023 Java Platform Standard Edition Vulnerabilities in NetApp Products NetApp Product Security | CONFIRM | security.neta |
| [SECURITY] Fedora 38 Update: harfbuzz-7.0.1-2.fc38 - package-announce - Fedora Mailing-Lists | | lists.fedorap |
| harfbuzz/hb-ot-layout-gsubgpos.hh at 2822b589bc837fae6f66233e2cf2eef0f6ce8470 · harfbuzz/harfbuzz · GitHub | MISC | github.com |
| DEPS - chromium/src - Git at Google | MISC | chromium.g |
| [layout] Limit how far we skip when looking back · harfbuzz/harfbuzz@85be877 · GitHub | MISC | github.com |
| [SECURITY] Fedora 36 Update: chromium-110.0.5481.77-1.fc36 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedorap |
| CVE Program record | CVE.ORG | www.cve.org |
| NVD vulnerability detail | NVD | nvd.nist.gov |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[160804](#) Oracle Enterprise Linux Security Update for java-11-openjdk (ELSA-2023-4233)

[160809](#) Oracle Enterprise Linux Security Update for java-17-openjdk (ELSA-2023-4159)

[160812](#) Oracle Enterprise Linux Security Update for java-11-openjdk (ELSA-2023-4158)

[160815](#) Oracle Enterprise Linux Security Update for java-11-openjdk (ELSA-2023-4175)

[160816](#) Oracle Enterprise Linux Security Update for java-17-openjdk (ELSA-2023-4177)

[199629](#) Ubuntu Security Notification for Open Java Development Toolkit (OpenJDK) Vulnerabilities (USN-6263-1)

[199638](#) Ubuntu Security Notification for Open Java Development Toolkit (OpenJDK) 20 Vulnerabilities (USN-6272-1)

[241837](#) Red Hat Update for java-17-openjdk (RHSA-2023:4170)

[241838](#) Red Hat Update for java-11-openjdk (RHSA-2023:4162)

[241840](#) Red Hat Update for java-11-openjdk (RHSA-2023:4165)

[241841](#) Red Hat Update for java-11-openjdk (RHSA-2023:4163)

[241842](#) Red Hat Update for java-17-openjdk (RHSA-2023:4169)

[241846](#) Red Hat Update for java-11-openjdk (RHSA-2023:4164)

[241847](#) Red Hat Update for java-17-openjdk (RHSA-2023:4171)

[241849](#) Red Hat Update for java-11-openjdk (RHSA-2023:4157)

[241851](#) Red Hat Update for java-11-openjdk (RHSA-2023:4175)

[241854](#) Red Hat Update for java-17-openjdk (RHSA-2023:4177)

[241855](#) Red Hat Update for java-11-openjdk (RHSA-2023:4158)

[241859](#) Red Hat Update for java-11-openjdk (RHSA-2023:4233)

[241860](#) Red Hat Update for java-17-openjdk (RHSA-2023:4159)

[257249](#) CentOS Security Update for java-11-openjdk

[283700](#) Fedora Security Update for chromium (FEDORA-2023-4e6353c6f7)

[284267](#) Fedora Security Update for cairo (FEDORA-2023-a48406ecd2)

[354801](#) Amazon Linux Security Advisory for thunderbird : ALAS2-2023-1983

[355220](#) Amazon Linux Security Advisory for harfbuzz : ALAS2023-2023-111

[355631](#) Amazon Linux Security Advisory for java-17-amazon-corretto : ALAS2023-2023-258

[355636](#) Amazon Linux Security Advisory for java-11-amazon-corretto : ALAS2023-2023-257

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|---|
| 355651 Amazon Linux Security Advisory for java-11-amazon-corretto : ALAS2-2023-2137 |
| 355652 Amazon Linux Security Advisory for java-17-amazon-corretto : ALAS2-2023-2138 |
| 378673 Oracle Java Standard Edition (SE) Critical Patch Update - July 2023 (CPUJUL2023) |
| 378691 Amazon Corretto Critical Patch Update (JUL2023) |
| 378692 Azul Java Multiple Vulnerabilities Security Update July 2023 |
| 378761 Alibaba Cloud Linux Security Update for java-11-openjdk (ALINUX2-SA-2023:0035) |
| 378792 Red Hat OpenJDK 11.0.20 Security Update for Windows Builds (RHSA-2023:4161) |
| 378793 Red Hat OpenJDK 17.0.8 Security Update for Windows Builds (RHSA-2023:4211) |
| 378921 Alibaba Cloud Linux Security Update for java-17-openjdk (ALINUX3-SA-2023:0119) |
| 378923 Alibaba Cloud Linux Security Update for java-11-openjdk (ALINUX3-SA-2023:0118) |
| 503425 Alpine Linux Security Update for openjdk11 |
| 503427 Alpine Linux Security Update for openjdk17 |
| 506135 Alpine Linux Security Update for openjdk11 |
| 506137 Alpine Linux Security Update for openjdk17 |
| 672975 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-1871) |
| 672976 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-1846) |
| 673028 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-1977) |
| 673049 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-1955) |
| 673124 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-2270) |
| 673166 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-2294) |
| 673350 EulerOS Security Update for harfbuzz (EulerOS-SA-2024-1142) |
| 674098 EulerOS Security Update for harfbuzz (EulerOS-SA-2023-3129) |
| 754001 SUSE Enterprise Linux Security Update for harfbuzz (SUSE-SU-2023:1822-1) |
| 754002 SUSE Enterprise Linux Security Update for harfbuzz (SUSE-SU-2023:1821-1) |
| 754003 SUSE Enterprise Linux Security Update for harfbuzz (SUSE-SU-2023:1820-1) |
| 754217 SUSE Enterprise Linux Security Update for java-11-openjdk (SUSE-SU-2023:2990-1) |
| 754271 SUSE Enterprise Linux Security Update for java-11-openjdk (SUSE-SU-2023:3287-1) |
| 905389 Common Base Linux Mariner (CBL-Mariner) Security Update for qt5-qtbase (13224) |

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| 905398 Common Base Linux Mariner (CBL-Mariner) Security Update for qt5-qtbase (13231) |
| 905443 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13303) |
| 905449 Common Base Linux Mariner (CBL-Mariner) Security Update for mozjs60 (13322) |
| 905453 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13321) |
| 906534 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13303-1) |
| 906552 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13321-1) |
| 906606 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13321-3) |
| 906657 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13303-3) |
| 906783 Common Base Linux Mariner (CBL-Mariner) Security Update for harfbuzz (13321-5) |
| 941188 AlmaLinux Security Update for java-11-openjdk (ALSA-2023:4175) |
| 941189 AlmaLinux Security Update for java-17-openjdk (ALSA-2023:4159) |
| 941191 AlmaLinux Security Update for java-17-openjdk (ALSA-2023:4177) |
| 941192 AlmaLinux Security Update for java-11-openjdk (ALSA-2023:4158) |

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