# CVE-2019-20840

MITRE | NVD | CVE.ORG | Print: PDF

## Summary

| | |
|---|---|
| **CVE** | CVE-2019-20840 |
| **State** | PUBLIC |
| **Assigner** | cve@mitre.org |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2020-06-17 16:15:00 UTC |
| **Updated** | 2023-11-07 03:09:00 UTC |
| **Description** | An issue was discovered in LibVNCServer before 0.9.13. libvncserver/ws_decode.c can lead to a crash because of unalign |

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Canonical | Ubuntu Linux | 14.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 16.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 16.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 18.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 18.10 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 20.04 | All | All | All |
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Operating System | Debian | Debian Linux | 9.0 | All | All | All |
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Application | Libvncserver Project | Libvncserver | All | All | All | All |
| Application | Libvncserver Project | Libvncserver | All | All | All | All |
| Application | Libvnc Project | Libvncserver | All | All | All | All |
| Operating System | Opensuse | Leap | 15.1 | All | All | All |
| Operating System | Opensuse | Leap | 15.2 | All | All | All |
| Operating System | Opensuse | Leap | 15.1 | All | All | All |
| Operating System | Opensuse | Leap | 15.2 | All | All | All |
| Hardware | Siemens | Simatic Itc1500 | - | All | All | All |

| | | | | | | |
|---|---|---|---|---|---|---|
| Operating System | Siemens | Simatic Itc1500 Firmware | All | All | All | All |
| Hardware | Siemens | Simatic Itc1500 Pro | - | All | All | All |
| Operating System | Siemens | Simatic Itc1500 Pro Firmware | All | All | All | All |
| Hardware | Siemens | Simatic Itc1900 | - | All | All | All |
| Operating System | Siemens | Simatic Itc1900 Firmware | All | All | All | All |
| Hardware | Siemens | Simatic Itc1900 Pro | - | All | All | All |
| Operating System | Siemens | Simatic Itc1900 Pro Firmware | All | All | All | All |
| Hardware | Siemens | Simatic Itc2200 | - | All | All | All |
| Operating System | Siemens | Simatic Itc2200 Firmware | All | All | All | All |
| Hardware | Siemens | Simatic Itc2200 Pro | - | All | All | All |
| Operating System | Siemens | Simatic Itc2200 Pro Firmware | All | All | All | All |

## References

| Reference | Source | Link |
|---|---|---|
| [security-announce] openSUSE-SU-2020:1056-1: important: Security update | SUSE | lists.opensuse.org |
| [security-announce] openSUSE-SU-2020:0988-1: important: Security update | SUSE | lists.opensuse.org |
| [SECURITY] Fedora 32 Update: libvncserver-0.9.13-2.fc32 - package-announce - Fedora Mailing-Lists | | lists.fedoraproject |
| Comparing LibVNCServer-0.9.12...LibVNCServer-0.9.13 · LibVNC/libvncserver · GitHub | MISC | github.com |
| USN-4434-1: LibVNCServer vulnerabilities \| Ubuntu security notices \| Ubuntu | UBUNTU | usn.ubuntu.com |
| [SECURITY] Fedora 32 Update: libvncserver-0.9.13-2.fc32 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedoraproject |
| [security-announce] openSUSE-SU-2020:1025-1: important: Security update | SUSE | lists.opensuse.org |
| cert-portal.siemens.com/productcert/pdf/ssa-390195.pdf | CONFIRM | cert-portal.siemer |
| fix crash because of unaligned accesses in hybiReadAndDecode() · LibVNC/libvncserver@0cf1400 · GitHub | MISC | github.com |
| 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

501068 Alpine Linux Security Update for libvncserver

590668 Siemens SIMATIC ITC Multiple Vulnerabilities (ICSA-21-350-12)

671412 EulerOS Security Update for libvncserver (EulerOS-SA-2022-1329)

671677 EulerOS Security Update for libvncserver (EulerOS-SA-2022-1740)