# CVE-2021-4115

MITRE | NVD | CVE.ORG | Print: PDF

## Summary

| | |
|---|---|
| **CVE** | CVE-2021-4115 |
| **State** | PUBLIC |
| **Assigner** | secalert@redhat.com |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2022-02-21 22:15:00 UTC |
| **Updated** | 2023-11-07 03:40:00 UTC |
| **Description** | There is a flaw in polkit which can allow an unprivileged user to cause polkit to crash, due to process file descriptor exhaust |

## Risk And Classification

**Problem Types:** NVD-CWE-Other

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Canonical | Ubuntu Linux | 20.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 21.10 | All | All | All |
| Operating System | Debian | Debian Linux | 11.0 | All | All | All |
| Operating System | Fedoraproject | Fedora | 34 | All | All | All |
| Operating System | Fedoraproject | Fedora | 35 | All | All | All |
| Application | Oracle | Zfs Storage Appliance Kit | 8.8 | All | All | All |
| Application | Polkit Project | Polkit | 0.117 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 8.0 | All | All | All |

## References

| Reference | Source | Link |
|---|---|---|
| polkit File Descriptor Exhaustion ≈ Packet Storm | MISC | packetstorr |
| [SECURITY] Fedora 34 Update: polkit-0.117-3.fc34.3 - package-announce - Fedora Mailing-Lists | | lists.fedora |
| file descriptor exhaustion (GHSL-2021-077) (!6) · Merge requests · Red Hat / centos-stream / rpms / polkit · GitLab | MISC | gitlab.com |
| Red Hat Customer Portal - Access to 24x7 support and knowledge | MISC | access.red |
| GHSL-2021-077: file descriptor exhaustion in polkit (#141) · Issues · polkit / polkit · GitLab | MISC | gitlab.freed |
| [SECURITY] Fedora 34 Update: polkit-0.117-3.fc34.3 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedora |

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|---|---|---|
| Oracle Critical Patch Update Advisory - July 2022 | N/A | www.oracle |
| CVE Program record | CVE.ORG | www.cve.o |
| NVD vulnerability detail | NVD | nvd.nist.go |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

- 159767 Oracle Enterprise Linux Security Update for polkit (ELSA-2022-1546)
- 182178 Debian Security Update for policykit-1 (CVE-2021-4115)
- 198684 Ubuntu Security Notification for PolicyKit Vulnerability (USN-5304-1)
- 240236 Red Hat Update for polkit (RHSA-2022:1546)
- 282407 Fedora Security Update for polkit (FEDORA-2022-353b7254fd)
- 282456 Fedora Security Update for polkit (FEDORA-2022-5e6d5fe680)
- 296063 Oracle Solaris 11.4 Support Repository Update (SRU) 45.119.2 Missing (CPUAPR2022)
- 354281 Amazon Linux Security Advisory for polkit : ALAS2022-2022-097
- 354367 Amazon Linux Security Advisory for polkit : ALAS2022-2022-220
- 354415 Amazon Linux Security Advisory for polkit : ALAS2022-2022-102
- 354564 Amazon Linux Security Advisory for polkit : ALAS-2022-220
- 355263 Amazon Linux Security Advisory for polkit : ALAS2023-2023-026
- 377353 Alibaba Cloud Linux Security Update for polkit (ALINUX3-SA-2022:0032)
- 671606 EulerOS Security Update for polkit (EulerOS-SA-2022-1580)
- 671738 EulerOS Security Update for polkit (EulerOS-SA-2022-1796)
- 671752 EulerOS Security Update for polkit (EulerOS-SA-2022-1813)
- 671790 EulerOS Security Update for polkit (EulerOS-SA-2022-1874)
- 671808 EulerOS Security Update for polkit (EulerOS-SA-2022-1850)
- 751732 SUSE Enterprise Linux Security Update for polkit (SUSE-SU-2022:0524-1)
- 751740 OpenSUSE Security Update for polkit (openSUSE-SU-2022:0525-1)
- 751982 SUSE Enterprise Linux Security Update for polkit (SUSE-SU-2022:0525-1)
- 753642 SUSE Enterprise Linux Security Update for polkit (SUSE-SU-2022:0525-2)
- 940483 AlmaLinux Security Update for polkit (ALSA-2022:1546)

960122 Rocky Linux Security Update for polkit (RLSA-2022:1546)