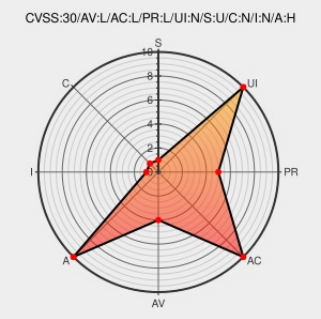
CVE-2019-10140

Published on: 08/15/2019 12:00:00 AM UTC

Last Modified on: 02/12/2023 11:32:00 PM UTC

CVE-2019-10140

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Linux Kernel from Linux contain the following vulnerability:

A vulnerability was found in Linux kernel's, versions up to 3.10, implementation of overlayfs. An attacker with local access can create a denial of service situation via NULL pointer dereference in ovl_posix_acl_create function in fs/overlayfs/dir.c. This can allow attackers with ability to create directories on overlayfs to crash the kernel creating a denial of service (DOS).

CVE-2019-10140 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **OpenSource** - **kernel:** version **= up to kernel-3.10**

CVSS3 Score: 5.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: 4.9 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link

1677778 – (CVE-2019-10140) CVE-2019-10140 kernel: overlayfs: NULL pointer dereference in ovl_posix_acl_create function in fs/overlayfs/dir.c	bugzilla.redhat.com text/html	MISC bugzilla.redhat.com/show_bug.cgi?id=1677778
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2019:2043
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/security/cve/CVE-2019-10140
1677778 – (CVE-2019-10140) CVE-2019-10140 kernel: overlayfs: NULL pointer dereference in ovl_posix_acl_create function in fs/overlayfs/dir.c	Issue Tracking Third Party Advisory bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=CVE-2019-10140
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2019:2029
August 2019 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security	security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20190905-0002/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux:7.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux:7.0:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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CVE.report and Source URL Uptime Status status.cve.report