



# CVE-2019-10638

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2019-10638
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-07-05 23:15:00 UTC
<b>Updated</b>	2021-06-14 18:15:00 UTC
<b>Description</b>	In the Linux kernel before 5.1.7, a device can be tracked by an attacker using the IP ID values the kernel produces for conn

## Risk And Classification

**Problem Types:** CWE-326

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All

## References

Reference	Source	Link
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	<a href="https://git.kernel.org">git.kernel.org</a>
Debian -- Security Information -- DSA-4495-1 linux	DEBIAN	<a href="https://www.debian.org">www.debian.org</a>
July 2019 Linux Kernel Vulnerabilities in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.com</a>
Bugtraq: [slackware-security] Slackware 14.2 kernel (SSA:2019-311-01)	BUGTRAQ	<a href="https://seclists.org">seclists.org</a>
inet: update the IP ID generation algorithm to higher standards. · torvalds/linux@55f0fc7 · GitHub	MISC	<a href="https://github.com">github.com</a>
inet: switch IP ID generator to siphash · torvalds/linux@df45370 · GitHub	MISC	<a href="https://github.com">github.com</a>
Debian -- Security Information -- DSA-4497-1 linux	DEBIAN	<a href="https://www.debian.org">www.debian.org</a>
cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.0.8	MISC	<a href="https://cdn.kernel.org">cdn.kernel.org</a>
netns: provide pure entropy for net_hash_mix() · torvalds/linux@355b985 · GitHub	MISC	<a href="https://github.com">github.com</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com">access.redhat.com</a>
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	<a href="https://git.kernel.org">git.kernel.org</a>
[security-announce] openSUSE-SU-2019:1716-1: important: Security update	SUSE	<a href="https://lists.opensuse.org">lists.opensuse.org</a>

USN-4116-1: Linux kernel vulnerabilities   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>
USN-4114-1: Linux kernel vulnerabilities   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>
Bugtraq: [SECURITY] [DSA 4495-1] linux security update	BUGTRAQ	<a href="https://seclists.org">seclists.org</a>
Slackware Security Advisory - Slackware 14.2 kernel Updates ≈ Packet Storm	MISC	<a href="https://packetstormsecurity.com">packetstormsecurity.com</a>
USN-4118-1: Linux kernel (AWS) vulnerabilities   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>
USN-4117-1: Linux kernel (AWS) vulnerabilities   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>
<a href="https://arxiv.org/pdf/1906.10478.pdf">arxiv.org/pdf/1906.10478.pdf</a>	MISC	<a href="https://arxiv.org">arxiv.org</a>
[security-announce] openSUSE-SU-2019:1757-1: important: Security update	SUSE	<a href="https://lists.opensuse.org">lists.opensuse.org</a>
USN-4115-1: Linux kernel vulnerabilities   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>
Bugtraq: [SECURITY] [DSA 4497-1] linux security update	BUGTRAQ	<a href="https://seclists.org">seclists.org</a>
<a href="https://cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.1.7">cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.1.7</a>	MISC	<a href="https://cdn.kernel.org">cdn.kernel.org</a>
[SECURITY] [DLA 1884-1] linux security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>
[SECURITY] [DLA 1885-1] linux-4.9 security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>
Linux Kernel CVE-2019-10638 Information Disclosure Vulnerability	BID	<a href="https://www.securityfocus.com">www.securityfocus.com</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com">access.redhat.com</a>
Oracle Critical Patch Update Advisory - April 2021	MISC	<a href="https://www.oracle.com">www.oracle.com</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

610318 Google Android February 2021 Security Patch Missing for Huawei EMUI

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](https://www.mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://www.mitre.org/cve). This site includes MITRE data granted under the following [license](https://www.mitre.org/cve).

**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)