



CVE-2020-16120

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

Summary

CVE	CVE-2020-16120
State	PUBLIC
Assigner	security@ubuntu.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-02-10 20:15:00 UTC
Updated	2021-11-18 18:40:00 UTC
Description	Overlays did not properly perform permission checking when copying up files in an overlays and could be exploited from w

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	14.04	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	20.04	All	All	All
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	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	20.04	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
USN-4578-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org

Bug #1894980 "CVE-2020-16120: unprivileged overlaysfs permission ...": Bugs : linux package : Ubuntu	UBUNTU	launchpad.net
USN-4576-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
USN-4577-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
Bug #1900141 "overlay: permission regression in 5.4.0-51.56 due ...": Bugs : linux package : Ubuntu	UBUNTU	launchpad.net
oss-security - Re: CVE-2020-16120 - incorrect unprivileged overlaysfs permission checking	CONFIRM	www.openwall.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

Vendor Comments And Credit

Discovery Credit

LEGACY: Giuseppe Scrivano

Legacy QID Mappings

- [670375](#) EulerOS Security Update for kernel (EulerOS-SA-2021-1950)
- [670396](#) EulerOS Security Update for kernel (EulerOS-SA-2021-1929)
- [670936](#) EulerOS Security Update for kernel (EulerOS-SA-2021-1929)
- [750376](#) OpenSUSE Security Update for RT kernel (openSUSE-SU-2021:0242-1)
- [750533](#) OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2020:2112-1)
- [750609](#) OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2020:1906-1)
- [750738](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2020:3326-1)
- [900100](#) CBL-Mariner Linux Security Update for kernel 5.10.52.1
- [900305](#) CBL-Mariner Linux Security Update for kernel 5.10.57.1
- [900320](#) CBL-Mariner Linux Security Update for kernel 5.10.60.1
- [901249](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6522-1)
- [903418](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3885)
- [905831](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3885-1)

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