



CVE-2021-45486

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Summary

CVE	CVE-2021-45486
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-12-25 02:15:00 UTC
Updated	2023-02-24 14:45:00 UTC
Description	In the IPv4 implementation in the Linux kernel before 5.12.4, net/ipv4/route.c has an information leak because the hash tabl

Risk And Classification

Problem Types: CWE-327

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Application	Oracle	Communications Cloud Native Core Binding Support Function	22.1.3	All	All	All
Application	Oracle	Communications Cloud Native Core Network Exposure Function	22.1.1	All	All	All
Application	Oracle	Communications Cloud Native Core Policy	22.2.0	All	All	All

References

Reference	Source	Link	Tags
cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.12.4	MISC	cdn.kernel.org	
kernel/git/stable/linux.git - Linux kernel stable tree	MISC	git.kernel.org	
arxiv.org/pdf/2112.09604.pdf	MISC	arxiv.org	
Oracle Critical Patch Update Advisory - July 2022	N/A	www.oracle.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159825 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-1988)
160123 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9852)
180152 Debian Security Update for linux (CVE-2021-45486)
240275 Red Hat Update for kernel-rt (RHSA-2022:1975)
240298 Red Hat Update for kernel security (RHSA-2022:1988)
240734 Red Hat Update for kernel-rt (RHSA-2022:6991)
240738 Red Hat Update for kernel security (RHSA-2022:6983)
390268 Oracle VM Server for x86 Security Update for kernel (OVMSA-2022-0026)
671401 EulerOS Security Update for kernel (EulerOS-SA-2022-1328)
671441 EulerOS Security Update for kernel (EulerOS-SA-2022-1366)
671474 EulerOS Security Update for kernel (EulerOS-SA-2022-1429)
671703 EulerOS Security Update for kernel (EulerOS-SA-2022-1735)
671749 EulerOS Security Update for kernel (EulerOS-SA-2022-1808)
671817 EulerOS Security Update for kernel (EulerOS-SA-2022-1868)
751590 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0056-1)
751600 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0068-1)
751602 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0080-1)
751622 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0131-1)
751654 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0197-1)
751657 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0198-1)
751666 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0169-1)
751695 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0367-1)
751697 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0366-1)
751698 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0362-1)
751701 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0366-1)
751702 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0371-1)
751989 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0131-1)
751993 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0198-1)
753264 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0079-1)

753267 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0169-1)
753355 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0056-1)
753462 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0289-1)
900503 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (7091)
901515 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (7098-1)
906048 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (7091-1)
940517 AlmaLinux Security Update for kernel (ALSA-2022:1988)

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