CVE-2022-1012

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Summary

CVE	CVE-2022-1012
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-05 16:15:00 UTC
Updated	2023-11-07 03:41:00 UTC
Description	A memory leak problem was found in the TCP source port generation algorithm in net/ipv4/tcp.c due to the small table pertu

Risk And Classification

Problem Types: CWE-401

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.18	-	All	All
Operating System	Linux	Linux Kernel	5.18	rc1	All	All
Operating System	Linux	Linux Kernel	5.18	rc2	All	All
Operating System	Linux	Linux Kernel	5.18	rc3	All	All
Operating System	Linux	Linux Kernel	5.18	rc4	All	All
Operating System	Linux	Linux Kernel	5.18	rc5	All	All

References

Reference
2064604 – (CVE-2022-1012) CVE-2022-1012 kernel: Small table perturb size in the TCP source port generation algorithm can lead to informa
[PATCH net 0/7] insufficient TCP source port randomness
[PATCH net 0/7] insufficient TCP source port randomness
CVE-2022-1012 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security
Diff - b2d057560b8107c633b39aabe517ff9d93f285e3^! - pub/scm/linux/kernel/git/jkirsher/net-queue - Git at Google
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159931 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-5249)

160028 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-5819)

179371 Debian Security Update for linux (DSA 5161-1)

180282 Debian Security Update for linux (DLA 3065-1)

180605 Debian Security Update for linux (DSA 5173-1)

180864 Debian Security Update for linux (CVE-2022-1012)

198823 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5471-1)

198921 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5594-1)

198927 Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-5599-1)

198929 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5602-1)

198942 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5616-1)

198949 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5622-1)

198950 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5623-1)

198954 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5630-1)

198962 Ubuntu Security Notification for Linux kernel (Azure CVM) Vulnerabilities (USN-5639-1)

198966 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5647-1)

198970 Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5654-1)

198974 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5660-1)

198978 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5669-1)

198985 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5678-1)

198994 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5687-1)

240487 Red Hat Update for kpatch-patch (RHSA-2022:5214)

240494 Red Hat Update for kernel (RHSA-2022:5220)

240499 Red Hat Update for kernel (RHSA-2022:5249)

240527 Red Hat Update for kernel-rt (RHSA-2022:5267)

240531 Red Hat Update for kernel-rt (RHSA-2022:5224)

240544 Red Hat Update for kernel-rt (RHSA-2022:5633)

240545 Red Hat Update for kernel (RHSA-2022:5626)

240581 Red Hat Update for kernel-rt (RHSA-2022:5834)

240594 Red Hat Update for kernel (RHSA-2022:5819)

353976 Amazon Linux Security Advisory for kernel : ALAS-2022-1604

353985 Amazon Linux Security Advisory for kernel : ALAS2-2022-1813

353993 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-016

353994 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-028

354007 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-015

354008 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-030

354017 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-032

354023 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-017

377117 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0158)

377871 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0001)

6140257 AWS Bottlerocket Security Update for kernel (GHSA-g9px-j6j3-h52v)

671929 EulerOS Security Update for kernel (EulerOS-SA-2022-1999)

672003 EulerOS Security Update for kernel (EulerOS-SA-2022-2134)

672017 EulerOS Security Update for kernel (EulerOS-SA-2022-2244)

672045 EulerOS Security Update for kernel (EulerOS-SA-2022-2225)

752340 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2377-1)

752349 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2382-1)

752364 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2422-1)

752370 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2520-1)

752391 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2549-1)

752615 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3408-1)

752632 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3450-1)

753091 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2172-1)

753148 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2615-1)

753271 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2424-1)

902670 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10472)

902671 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10468)

903970 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10472-1)

904160 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10468-1)

906064 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10472-2)

906250 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10468-2)

940602 AlmaLinux Security Update for kernel-rt (ALSA-2022:5834)

940612 AlmaLinux Security Update for kernel (ALSA-2022:5819)

940618 AlmaLinux Security Update for kernel (ALSA-2022:5249)

940638 AlmaLinux Security Update for kernel-rt (ALSA-2022:5267)