



CVE-2021-27862

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

Summary

CVE	CVE-2021-27862
State	PUBLIC
Assigner	cert@cert.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-09-27 19:15:00 UTC
Updated	2022-10-12 13:15:00 UTC
Description	Layer 2 network filtering capabilities such as IPv6 RA guard can be bypassed using LLC/SNAP headers with invalid length

Risk And Classification

Problem Types: CWE-290

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	leee	leee 802.2	All	All	All	All
Application	ietf	P802.1q	All	All	All	All

References

Reference	Source	Link
IEEE SA - IEEE/ISO 802.2-1989	CONFIRM	standards.ieee.org
VU#855201 - L2 network security controls can be bypassed using VLAN 0 stacking and/or 802.3 headers	MISC	kb.cert.org
draft-ietf-v6ops-ra-guard-08 - IPv6 Router Advertisement Guard	CONFIRM	datatracker.ietf.org
Layer 2 network security bypass using VLAN 0, LLC/SNAP headers and invalid length blog.champtar.fr	MISC	blog.champtar.fr
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

Vendor Comments And Credit

Discovery Credit

LEGACY: Etienne Champetier (@champtar) <champetier.etienne@gmail.com>

There are currently no legacy QID mappings associated with this CVE.

© [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](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)