Fortinet FortiOS Heap-Based Buffer Overflow Vulnerability

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Summary

CVE	CVE-2022-42475
State	PUBLIC
Assigner	psirt@fortinet.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-01-02 09:15:00 UTC
Updated	2023-11-07 03:53:00 UTC
Description	A heap-based buffer overflow vulnerability [CWE-122] in FortiOS SSL-VPN 7.2.0 through 7.2.2, 7.0.0 through 7.0.8, 6.4.0 th

Risk And Classification

EPSS: 0.939840000 probability, percentile 0.998920000 (date 2026-05-07)

CISA KEV: Listed on 2022-12-13; due 2023-01-03; ransomware use Known

Problem Types: CWE-787

CISA Known Exploited Vulnerability

Vendor	Fortinet
Product	FortiOS
Name	Fortinet FortiOS Heap-Based Buffer Overflow Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://www.fortiguard.com/psirt/FG-IR-22-398; https://nvd.nist.gov/vuln/detail/CVE-2022-42475

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Fortinet	Fim-7901e	-	All	All	All
Hardware	Fortinet	Fim-7904e	-	All	All	All
Hardware	Fortinet	Fim-7910e	-	All	All	All
Hardware	Fortinet	Fim-7920e	-	All	All	All
Hardware	Fortinet	Fim-7921f	-	All	All	All
Hardware	Fortinet	Fim-7941f	-	All	All	All
Hardware	Fortinet	Fortigate-6300f	-	All	All	All

Hardware	Fortinet	Fortigate-6300f-dc	-	All	All	All
Hardware	Fortinet	Fortigate-6500f	-	All	All	All
Hardware	Fortinet	Fortigate-6500f-dc	-	All	All	All
Hardware	Fortinet	Fortigate-6501f	-	All	All	All
Hardware	Fortinet	Fortigate-6501f-dc	-	All	All	All
Hardware	Fortinet	Fortigate-6601f	-	All	All	All
Hardware	Fortinet	Fortigate-6601f-dc	-	All	All	All
Hardware	Fortinet	Fortigate-7030e	-	All	All	All
Hardware	Fortinet	Fortigate-7040e	-	All	All	All
Hardware	Fortinet	Fortigate-7060e	-	All	All	All
Hardware	Fortinet	Fortigate-7121f	-	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Operating System	Fortinet	Fortios	All	All	All	All
Application	Fortinet	Fortiproxy	7.2.0	All	All	All
Application	Fortinet	Fortiproxy	All	All	All	All
Application	Fortinet	Fortiproxy	All	All	All	All
Application	Fortinet	Fortiproxy	All	All	All	All
Application	Fortinet	Fortiproxy	All	All	All	All
Application	Fortinet	Fortiproxy	All	All	All	All
Hardware	Fortinet	Fpm-7620e	-	All	All	All
Hardware	Fortinet	Fpm-7620f	-	All	All	All
Hardware	Fortinet	Fpm-7630e	-	All	All	All

References

Reference	Source	Link	Tags

PSIRT Advisories | FortiGuard	MISC	fortiguard.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov	kev

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

43944 FortiOS Buffer OverFlow Vulnerability (FG-IR-22-398)