



Service Location Protocol (SLP) Denial-of-Service Vulnerability

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

Summary

CVE	CVE-2023-29552
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-04-25 16:15:00 UTC
Updated	2023-05-04 19:07:00 UTC
Description	The Service Location Protocol (SLP, RFC 2608) allows an unauthenticated, remote attacker to register arbitrary services. T

Risk And Classification

EPSS: 0.929620000 probability, percentile 0.997790000 (date 2026-04-21)

CISA KEV: Listed on 2023-11-08; due 2023-11-29; ransomware use Unknown

Problem Types: NVD-CWE-noinfo

CISA Known Exploited Vulnerability

Vendor	IETF
Product	Service Location Protocol (SLP)
Name	Service Location Protocol (SLP) Denial-of-Service Vulnerability
Required Action	Apply mitigations per vendor instructions or disable SLP service or port 427/UDP on all systems running on untrusted networks, including those directly connected to the Internet.
Notes	This vulnerability affects a common open-source component, third-party library, or a protocol used by different products. Please check with specific vendors for information on the patching status. For more information please see https://www.bitsight.com/blog/new-high-severity-vulnerability-cve-2023-29552-discovered-service-location-protocol-slp and https://www.cisa.gov/news-events/alerts/2023/04/25/abuse-service-location-protocol-may-lead-dos-attacks. ; https://nvd.nist.gov/vuln/detail/CVE-2023-29552

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Netapp	Smi-s Provider	-	All	All	All
Application	Service Location Protocol Project	Service Location Protocol	-	All	All	All
Operating System	Suse	Linux Enterprise Server	11	-	All	All
Operating System	Suse	Linux Enterprise Server	12	-	All	All

Operating System	Suse	Linux Enterprise Server	12	-	All	All
Operating System	Suse	Linux Enterprise Server	15	All	All	All
Operating System	Suse	Linux Enterprise Server	15	All	All	All
Application	Suse	Manager Server	-	All	All	All
Operating System	Vmware	Esxi	All	All	All	All

References

Reference

[CVE-2023-29552 Service Location Protocol Vulnerability in NetApp Products | NetApp Product Security](#)

[CVE-2023-29552 Service Location Protocol-Denial of Service Amplification Attack - Cureblog](#)

[Security Vulnerability: New SLP based traffic amplification attack \(CVE-2023-29552\) | Support | SUSE](#)

[New high-severity vulnerability \(CVE-2023-29552\) discovered in the Service Location Protocol \(SLP\) | Bitsight](#)

[VMware Response to CVE-2023-29552 - reflective Denial-of-Service \(DoS\) amplification vulnerability in SLP - VMware Security Blog - VMwar](#)

[Abuse of the Service Location Protocol May Lead to DoS Attacks | CISA](#)

[GitHub - curesec/spload: service location protocol amplified denial of service attack verification tool](#)

[RFC 2608 - Service Location Protocol, Version 2](#)

[CVE Program record](#)

[NVD vulnerability detail](#)

[CISA Known Exploited Vulnerabilities catalog](#)

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[216311](#) VMware ESXi 6.5 Reflective Denial of Service (DoS) Amplification Vulnerability in SLP

[216312](#) VMware ESXi 6.7 Reflective Denial of Service (DoS) Amplification Vulnerability in SLP

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