



CVE-2019-9547

Published on: 03/01/2019 12:00:00 AM UTC

Last Modified on: 07/21/2021 11:39:00 AM UTC

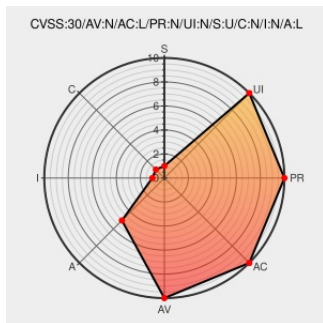
CVE-2019-9547

Source: [Mitre](#)

Source: [NIST](#)

[CVE.ORG](#)

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Certain versions of [Storage Performance Development Kit](#) from [Spdk](#) contain the following vulnerability:

In Storage Performance Development Kit (SPDK) before 19.01, a malicious vhost client (i.e., virtual machine) could carefully construct a circular descriptor chain that would result in a partial denial of service in the SPDK vhost target, because the vhost target did not properly detect such chains.

CVE-2019-9547 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.3 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	LOW

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
CHANGELOG: add note on vhost vulnerability · spdk/spdk@eca42c6 · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/spdk/spdk/commit/eca42c66092b9031711afe215fbc1891ee55f143

Release SPDK v19.01: NVMe-oF
TCP/IP Transport, Open Channel
SSD Flash Translation Layer,
Caching bdev based on OCF, ISA-L
Support, DIF/DIX library · spdk/spdk ·
GitHub

Third Party Advisory

github.com

text/html

CONFIRM github.com/spdk/spdk/releases/tag/v19.01

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Spdk	Storage Performance Development Kit	All	All	All	All
Application	Spdk	Storage Performance Development Kit	All	All	All	All
cpe:2.3:a:spdk:storage_performance_development_kit:~::~::~::~:						
cpe:2.3:a:spdk:storage_performance_development_kit:~::~::~::~:						

No vendor comments have been submitted for this CVE

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