



CVE-2017-15924

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CVE-2017-15924

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Debian Linux](#) from [Debian](#) contain the following vulnerability:

In manager.c in ss-manager in shadowsocks-libev 3.1.0, improper parsing allows command injection via shell metacharacters in a JSON configuration request received via 127.0.0.1 UDP traffic, related to the add_server, build_config, and construct_command_line functions.

CVE-2017-15924 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **7.2 - HIGH**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Fix #1734 · shadowsocks/shadowsocks-libev@c67d275 · GitHub	Third Party Advisory github.com text/html	MISC github.com/shadowsocks/shadowsocks-libev/commit/c67d275803dc6ea22c558d06b1f7ba9f94cd8de3
oss-security - Advisory X41-2017-010: Command	Mailing List	MISC openwall.com/lists/oss-security/2017/10/13/2

Execution in Shadowsocks-libev	Third Party Advisory openwall.com text/html	
Advisory X41-2017-010: Command Execution in shadowsocks-libev - X41 D-SEC GmbH	Exploit Third Party Advisory www.x41-dsec.de text/html	 MISC www.x41-dsec.de/lab/advisories/x41-2017-010-shadowsocks-libev/
Command Execution in ss-manager · Issue #1734 · shadowsocks/shadowsocks-libev · GitHub	Third Party Advisory github.com text/html	 MISC github.com/shadowsocks/shadowsocks-libev/issues/1734
Debian -- Security Information -- DSA-4009-1 shadowsocks-libev	Third Party Advisory www.debian.org Deprecated Link text/html	 DEBIAN DSA-4009
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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
Operating System	Debian	Debian Linux	9.2	All	All	All
Operating System	Debian	Debian Linux	9.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.3	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.3.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.0	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.1	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.3	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.4	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.5	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.6	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.7	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.4.8	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.5.0	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.5.1	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.5.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	1.5.3	All	All	All

[illegible]

[illegible]

Application	Shadowsocks	Shadowsocks-libev	2.5.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.5.3	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.5.4	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.5.5	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.5.6	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.6.0	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.6.1	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.6.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	2.6.3	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.0	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.1	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.2	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.3	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.4	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.5	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.6	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.7	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.0.8	All	All	All
Application	Shadowsocks	Shadowsocks-libev	3.1.0	All	All	All
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cpe:2.3:a:shadowsocks:shadowsocks-libev:1.4.5:*:*:*:*:*:						
cpe:2.3:a:shadowsocks:shadowsocks-libev:1.4.6:*:*:*:*:*:						
cpe:2.3:a:shadowsocks:shadowsocks-libev:1.4.7:*:*:*:*:*:						
cpe:2.3:a:shadowsocks:shadowsocks-libev:1.4.8:*:*:*:*:*:						

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cpe:2.3:a:shadowsocks:shadowsocks-libev:1.5.1:~::~::~::~::
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cpe:2.3:a:shadowsocks:shadowsocks-libev:2.0.1:~::~::~::~::
cpe:2.3:a:shadowsocks:shadowsocks-libev:2.0.2:~::~::~::~::
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cpe:2.3:a:shadowsocks:shadowsocks-libev:2.0.4:~::~::~::~::
cpe:2.3:a:shadowsocks:shadowsocks-libev:2.0.5:~::~::~::~::
cpe:2.3:a:shadowsocks:shadowsocks-libev:2.0.6:~::~::~::~::
cpe:2.3:a:shadowsocks:shadowsocks-libev:2.0.7:~::~::~::~::
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No vendor comments have been submitted for this CVE

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