



CVE-2020-16846

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Summary

CVE	CVE-2020-16846
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-11-06 08:15:00 UTC
Updated	2023-11-07 03:19:00 UTC
Description	An issue was discovered in SaltStack Salt through 3002. Sending crafted web requests to the Salt API, with the SSH client

Risk And Classification

EPSS: 0.943870000 probability, percentile 0.999710000 (date 2026-04-01)

CISA KEV: Listed on 2021-11-03; due 2022-05-03; ransomware use Unknown

Problem Types: CWE-78

CISA Known Exploited Vulnerability

Vendor	SaltStack
Product	Salt
Name	SaltStack Salt Shell Injection Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2020-16846

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Saltstack	Salt	All	All	All	All
Application	Saltstack	Salt	3001	All	All	All
Application	Saltstack	Salt	All	All	All	All
Application	Saltstack	Salt	3001	All	All	All

References

Reference	Source	Link	Ta
SaltStack Salt REST API Arbitrary Command Execution ≈ Packet Storm	MISC	packetstormsecurity.com	Th
[SECURITY] [DLA 2480-2] salt regression update	MLIST	lists.debian.org	
ZDI-20-1379 Zero Day Initiative	MISC	www.zerodayinitiative.com	
Releases · saltstack/salt · GitHub	MISC	github.com	Th
[SECURITY] [DLA 2480-1] salt security update	MLIST	lists.debian.org	
ZDI-20-1383 Zero Day Initiative	MISC	www.zerodayinitiative.com	
ZDI-20-1381 Zero Day Initiative	MISC	www.zerodayinitiative.com	
Debian -- Security Information -- DSA-4837-1 salt	DEBIAN	www.debian.org	
[SECURITY] Fedora 31 Update: salt-3001.3-1.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org	Th
ZDI-20-1382 Zero Day Initiative	MISC	www.zerodayinitiative.com	
[SECURITY] Fedora 31 Update: salt-3001.3-1.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org	
ZDI-20-1380 Zero Day Initiative	MISC	www.zerodayinitiative.com	
Salt: Multiple vulnerabilities (GLSA 202011-13) — Gentoo security	GENTOO	security.gentoo.org	Th
[security-announce] openSUSE-SU-2020:1868-1: critical: Security update f	SUSE	lists.opensuse.org	Th
Active SaltStack CVEs Announced 11/3/20 – Salt Project	CONFIRM	www.saltstack.com	Ve
CVE Program record	CVE.ORG	www.cve.org	ca
NVD vulnerability detail	NVD	nvd.nist.gov	ca
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov	ke

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[178984](#) Debian Security Update for salt (DLA 2480-2)

[501687](#) Alpine Linux Security Update for salt

[505397](#) Alpine Linux Security Update for salt

[690359](#) Free Berkeley Software Distribution (FreeBSD) Security Update for salt (50259d8b-243e-11eb-8bae-b42e99975750)

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