



CVE-2017-13084

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

Summary

CVE	CVE-2017-13084
State	PUBLIC
Assigner	cert@cert.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-10-17 13:29:00 UTC
Updated	2019-10-03 00:03:00 UTC
Description	Wi-Fi Protected Access (WPA and WPA2) allows reinstallation of the Station-To-Station-Link (STSL) Transient Key (STK) c

Risk And Classification

Problem Types: CWE-330

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	17.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	17.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Freebsd	Freebsd	All	All	All	All
Operating System	Freebsd	Freebsd	10	All	All	All
Operating System	Freebsd	Freebsd	10.4	All	All	All
Operating System	Freebsd	Freebsd	11	All	All	All
Operating System	Freebsd	Freebsd	11.1	All	All	All
Operating System	Freebsd	Freebsd	All	All	All	All
Operating System	Freebsd	Freebsd	10	All	All	All

Operating System	Freebsd	Freebsd	10.4	All	All	All
Operating System	Freebsd	Freebsd	11	All	All	All
Operating System	Freebsd	Freebsd	11.1	All	All	All
Operating System	Opensuse	Leap	42.2	All	All	All
Operating System	Opensuse	Leap	42.3	All	All	All
Operating System	Opensuse	Leap	42.2	All	All	All
Operating System	Opensuse	Leap	42.3	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7	All	All	All
Operating System	Redhat	Enterprise Linux Server	7	All	All	All
Operating System	Redhat	Enterprise Linux Server	7	All	All	All
Operating System	Suse	Linux Enterprise Desktop	12	sp2	All	All
Operating System	Suse	Linux Enterprise Desktop	12	sp3	All	All
Operating System	Suse	Linux Enterprise Desktop	12	sp2	All	All
Operating System	Suse	Linux Enterprise Desktop	12	sp3	All	All
Operating System	Suse	Linux Enterprise Point Of Sale	11	sp3	All	All
Operating System	Suse	Linux Enterprise Point Of Sale	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	sp4	All	All
Operating System	Suse	Linux Enterprise Server	12	All	All	All
Operating System	Suse	Linux Enterprise Server	11	sp3	All	All
Operating System	Suse	Linux Enterprise Server	11	sp4	All	All
Operating System	Suse	Linux Enterprise Server	12	All	All	All
Operating System	Suse	Openstack Cloud	6	All	All	All
Operating System	Suse	Openstack Cloud	6	All	All	All
Application	W1.fi	Hostapd	0.2.4	All	All	All
Application	W1.fi	Hostapd	0.2.5	All	All	All
Application	W1.fi	Hostapd	0.2.6	All	All	All
Application	W1.fi	Hostapd	0.2.8	All	All	All
Application	W1.fi	Hostapd	0.3.10	All	All	All
Application	W1.fi	Hostapd	0.3.11	All	All	All
Application	W1.fi	Hostapd	0.3.7	All	All	All
Application	W1.fi	Hostapd	0.3.9	All	All	All
Application	W1.fi	Hostapd	0.4.10	All	All	All
Application	W1.fi	Hostapd	0.4.11	All	All	All

Application	W1.fi	Hostapd	0.5.11	All	All	All
Application	W1.fi	Hostapd	0.5.7	All	All	All
Application	W1.fi	Hostapd	0.5.8	All	All	All
Application	W1.fi	Hostapd	0.5.9	All	All	All
Application	W1.fi	Hostapd	0.6.10	All	All	All
Application	W1.fi	Hostapd	0.6.8	All	All	All
Application	W1.fi	Hostapd	0.6.9	All	All	All
Application	W1.fi	Hostapd	0.7.3	All	All	All
Application	W1.fi	Hostapd	1.0	All	All	All
Application	W1.fi	Hostapd	1.1	All	All	All
Application	W1.fi	Hostapd	2.0	All	All	All
Application	W1.fi	Hostapd	2.1	All	All	All
Application	W1.fi	Hostapd	2.2	All	All	All
Application	W1.fi	Hostapd	2.3	All	All	All
Application	W1.fi	Hostapd	2.4	All	All	All
Application	W1.fi	Hostapd	2.5	All	All	All
Application	W1.fi	Hostapd	2.6	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.4	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.5	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.6	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.11	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.11	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.7	All	All	All
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Application	W1.fi	Wpa Supplicant	0.4.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.11	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.8	All	All	All

Application	W1.fi	Wpa Supplicant	0.5.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.6.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.6.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.6.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.7.3	All	All	All
Application	W1.fi	Wpa Supplicant	1.0	All	All	All
Application	W1.fi	Wpa Supplicant	1.1	All	All	All
Application	W1.fi	Wpa Supplicant	2.0	All	All	All
Application	W1.fi	Wpa Supplicant	2.1	All	All	All
Application	W1.fi	Wpa Supplicant	2.2	All	All	All
Application	W1.fi	Wpa Supplicant	2.3	All	All	All
Application	W1.fi	Wpa Supplicant	2.4	All	All	All
Application	W1.fi	Wpa Supplicant	2.5	All	All	All
Application	W1.fi	Wpa Supplicant	2.6	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.4	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.5	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.6	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.2.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.11	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.3.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.11	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.4.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.10	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.11	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.7	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.5.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.6.10	All	All	All

Application	W1.fi	Wpa Supplicant	0.6.8	All	All	All
Application	W1.fi	Wpa Supplicant	0.6.9	All	All	All
Application	W1.fi	Wpa Supplicant	0.7.3	All	All	All
Application	W1.fi	Wpa Supplicant	1.0	All	All	All
Application	W1.fi	Wpa Supplicant	1.1	All	All	All
Application	W1.fi	Wpa Supplicant	2.0	All	All	All
Application	W1.fi	Wpa Supplicant	2.1	All	All	All
Application	W1.fi	Wpa Supplicant	2.2	All	All	All
Application	W1.fi	Wpa Supplicant	2.3	All	All	All
Application	W1.fi	Wpa Supplicant	2.4	All	All	All
Application	W1.fi	Wpa Supplicant	2.5	All	All	All
Application	W1.fi	Wpa Supplicant	2.6	All	All	All

References

Reference

hostapd and wpa_supplicant: Key Reinstallation (KRACK) attacks (GLSA 201711-03) — Gentoo Security

[w1.fi/security/2017-1/wpa-packet-number-reuse-with-replayed-message...](#)

ArubaOS WPA/WPA2 Protocol Key Reinstallation Attack Lets Remote Users Access and Modify Data on the Target Wireless Network - Secur

Juniper Junos SRX Series WPA/WPA2 Protocol Key Reinstallation Attack Lets Remote Users Access and Modify Data on the Target Wireless

Vulnerability Note VU#228519 - Wi-Fi Protected Access (WPA) handshake traffic can be manipulated to induce nonce and session key reuse

101274

[cert-portal.siemens.com/productcert/pdf/ssa-901333.pdf](#)

Multiple Vulnerabilities in Wi-Fi Protected Access and Wi-Fi Protected Access II

Juniper ScreenOS WPA/WPA2 Protocol Key Reinstallation Attack Lets Remote Users Access and Modify Data on the Target Wireless Network

KRACK Attacks: Breaking WPA2

[www.arubanetworks.com/assets/alert/ARUBA-PSA-2017-007.txt](#)

WPA2 Protocol Vulnerabilities - US

KRACKs - wpa_supplicant Multiple Vulnerabilities - Red Hat Customer Portal

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[591394](#) ABB TropOS wireless mesh products WPA2 Key Reinstallation Multiple Vulnerabilities (ICSA-17-318-02A, ABBVU-PGGA-1KHW028907)

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