



# CVE-2017-13081

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

## Summary

<b>CVE</b>	CVE-2017-13081
<b>State</b>	PUBLIC
<b>Assigner</b>	cert@cert.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2017-10-17 13:29:00 UTC
<b>Updated</b>	2019-10-03 00:03:00 UTC
<b>Description</b>	Wi-Fi Protected Access (WPA and WPA2) that supports IEEE 802.11w allows reinstallation of the Integrity Group Temporal

## Risk And Classification

**Problem Types:** CWE-330

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	14.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	17.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	14.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	17.04	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	8.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	9.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	8.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	9.0	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	All	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	10	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	10.4	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	11	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	11.1	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	All	All	All	All
Operating System	<a href="#">Freebsd</a>	<a href="#">Freebsd</a>	10	All	All	All

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

Application	W1.fi	Hostapd	0.4.7	All	All	All
Application	W1.fi	Hostapd	0.4.8	All	All	All
Application	W1.fi	Hostapd	0.4.9	All	All	All
Application	W1.fi	Hostapd	0.5.10	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	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	0.4.7	All	All	All
Application	W1.fi	Hostapd	0.4.8	All	All	All
Application	W1.fi	Hostapd	0.4.9	All	All	All
Application	W1.fi	Hostapd	0.5.10	All	All	All
Application	W1.fi	Hostapd	0.5.11	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
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
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	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	0.6.8	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	0.6.9	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	0.7.3	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	1.0	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	1.1	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.0	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.1	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.2	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.3	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.4	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.5	All	All	All
Application	<a href="#">W1.fi</a>	<a href="#">Wpa Supplicant</a>	2.6	All	All	All

## References

### Reference

[hostapd and wpa\\_supplicant: Key Reinstallation \(KRACK\) attacks \(GLSA 201711-03\) — Gentoo Security](#)

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[wpa\\_supplicant WPA/WPA2 Protocol Key Reinstallation Attack Lets Remote Users Access and Modify Data on the Target Wireless Network -](#)

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

[FreeBSD-SA-17:07](#)

[Oracle Critical Patch Update - January 2018](#)

[HPE Support document - HPE Support Center](#)

[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](#)

[Cisco IP Phones WPA/WPA2 Protocol Key Reinstallation Attack Lets Remote Users Access and Modify Data on the Target Wireless Network](#)

[\[SECURITY\] \[DLA 1573-1\] firmware-nonfree security update](#)

[Android Security Bulletin—November 2017 | Android Open Source Project](#)

[\[security-announce\] openSUSE-SU-2017:2755-1: important: Security update](#)

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

[Multiple Vulnerabilities in Wi-Fi Protected Access and Wi-Fi Protected Access II](#)

[Debian -- Security Information -- DSA-3999-1 wpa](#)

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

[USN-3455-1: wpa\\_supplicant and hostapd vulnerabilities | Ubuntu](#)

[Fortinet FortiOS WPA/WPA2 Protocol Key Reinstallation Attack Lets Remote Users Access and Modify Data on the Target Wireless Network](#)

[KRACK Attacks: Breaking WPA2](#)

[security-announce] SUSE-SU-2017:2745-1: important: Security update for

[security-announce] SUSE-SU-2017:2752-1: important: Security update for

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

PEPPERL+FUCHS / ecom instruments WLAN enabled products utilizing WPA2 encryption (Update A) — English (USA)

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

[500246](#) Alpine Linux Security Update for hostapd

[500740](#) Alpine Linux Security Update for wpa\_supplicant

[503996](#) Alpine Linux Security Update for hostapd

[504516](#) Alpine Linux Security Update for wpa\_supplicant

[591073](#) Siemens SIMATIC RF350M and SIMATIC RF650M KRACK Attacks Multiple Vulnerabilities (SSA-418456)

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

[710321](#) Gentoo Linux hostapd and wpa\_supplicant Key Reinstallation Vulnerability (GLSA 201711-03)

[750549](#) OpenSUSE Security Update for wpa\_supplicant (openSUSE-SU-2020:2059-1)

[750557](#) OpenSUSE Security Update for wpa\_supplicant (openSUSE-SU-2020:2053-1)

[752179](#) SUSE Enterprise Linux Security Update for wpa\_supplicant (SUSE-SU-2022:1853-1)

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