



[certTonga Advisory: KRACK ATTACK](#)

Dear Constituents,

Here is another threat attack that has been discovered around the globe named KRACK, it stands for (**Key Reinstallation Attack**). This vulnerability actually allows the attacker to intercept and read data that passes between a device and a wifi router. The attacker can alter traffic, inject and also manipulate data. For instance the attacker might inject ransomware or other malwares into a website that an user access.

[System Affected](#)

KRACK attack can affect all devices that are using wireless or WI-FI. It includes the following

- Computers
- Mobile Phones
- Tablets/ IPADS
- Smart TV
- Routers

Moreover, this means that all the devices connected to WI-FI network needs to be updated to protect from the attackers.

Vendors have updated recent security updates in order resolve older version of there product to be protected from attackers. Whereas other vendor's have noticed these vulnerabilities and they're currently working to fix these vulnerabilities.

[What to do](#)

For you as an user, the best thing for you to do to prevent attacker.

- Make sure that all devices are updated with the latest software.
- Make sure that when you're not using wi-fi to turn it off or otherwise disconnect your device from WiFi
- It would be best to plug in your devices to the network using ethernet cable, rather than using wi-fi. This can also provide protection from wi-fi attackers.

Reference

- × <https://www.cert.govt.nz/businesses-and-individuals/recent-threats/krack-attack-security-vulnerabilities-affecting-wifi-enabled-devices>
- × <https://technet.microsoft.com/en-us/security/advisories>
- × <https://www.krackattacks.com/>
- × <https://arstechnica.com/information-technology/2017/10/how-the-krack-attack-destroys-nearly-all-wi-fi-security/>

Please for more information you can contact us:

Tonga National CERT
Ministry of MEIDECC
OG Sanft Building Level 2
Nuku'alofa
Tel: 2378 (CERT)
email: cert@cert.to
web: www.cert.to