

Renesas response to the uIP, Open-source TCP IP Stacks Vulnerability Issue

1. Issue Summary

uIP TCP/IP, open-source embedded TCP/IP stack, was originally developed by Adam Dunkels of the Networked Embedded Systems Group at the Swedish Institute of Computer Science and has been in use in many embedded networking devices. The new vulnerability of the software has been identified and published on December 9.

This vulnerability is also tracked as following vulnerability report as well as the name AMNESIA:33.

[Vulnerability Report]

JVNVU#96491057

VU#815128

ICS-VU-633937

2. Affected Software

- Application Note:
 1. H8S/2472 and SH7216 uIP TCP/IP Protocol Stack Demonstration (Document#: REU05B0075-0200)
 2. RX62N Group uIP TCP/IP Protocol Stack Demonstration (Document#: R01AN0169EU0101)

We regret to inform you that we will not release any update for above application note and recommend not to use them anymore.

3. Related Link

For more information about this vulnerability issue, please visit.

- uIP
<https://github.com/adamdunkels/uip>
- CERT/CC
<https://www.kb.cert.org/vuls/id/815128>
- ICS-CERT
<https://us-cert.cisa.gov/ics/advisories/icsa-20-343-01>
- JPCERT/CC
<https://jvn.jp/vu/JVNVU96491057/>