Security Advisory Report - OBSO-2101-01

Amnesia:33 - Impact on Atos Unify Products

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Summary

Amnesia.33 relates to a set of vulnerabilities found in multiple open-source TCP/IP stacks. Atos Unify has evaluated its major product lines and the general impact on its products is medium to low.

The following affected components are not used within Atos Unify products:

- uIP-Contiki-OS (end-of-life [EOL]), Version 3.0 and prior
- uIP-Contiki-NG, Version 4.5 and prior
- uIP (EOL), Version 1.0 and prior
- picoTCP-NG, Version 1.7.0 and prior
- picoTCP (EOL), Version 1.7.0 and prior
- FNET, Version 4.6.3
- Nut/Net, Version 5.1 and prior

The following affected component may be delivered as part of the Linux operating system
- open-iscsi, Version 2.1.12 and prior

The major product lines have been evaluated. Refer to the Affected Products section for details on the evaluation.

Details

The maintainer of open-iscsi has provided the following information and have rated severity to low:
https://github.com/open-iscsi/open-iscsi/security/advisories/GHSA-r278-fm99-8rgp

The Open-iSCSI developers have been made aware of multiple issues related to packet input processing in the uIP and related embedded TCP/IP networking stacks. The iscsiui tool in the Open-iSCSI project contains a forked copy of the uIP code.

After consideration of the disclosed vulnerabilities, only three were found to have matching code in the iscsiui source: CVE-2020-17437, CVE-2020-13988 and CVE-2020-13987. Given that iscsiui uses the uIP stack only for DHCP operations on specific offloading iSCSI hardware, it's believed that only CVE-2020-13987 might have an exposed attack vector in the iscsiui process.

CVE-2020-13987 (CVSS3.1: 7.5)
CVE-2020-13988 (CVSS3.1: 7.5), deemed not be affecting iscsiui
CVE-2020-17437 (CVSS3.1: 8.2), deemed not be affecting iscsiui
The iscsiui tool is only used for offloading iscsi in conjunction with a number of Broadcom/QLogic network controllers. For more information refer to:
https://github.com/open-iscsi/open-iscsi/security/advisories/GHSA-r278-fm99-8rgp
https://fossies.org/linux/open-iscsi/iscsiuio/README

Affected Products

The following Appliance based products are not affected:

- OpenScape 4000
- OpenScape SBC / Branch / BCF
- OpenScape Xpert Clients
- OpenScape IP Cordless Circuit
- OpenScape Contact Media Service
- OpenScape Desk Phones
- OpenStage Phones
- Circuit Meeting Room
- OpenScape AlarmResponse
- OpenScape Business X (not affected in default configuration)

The following Applications have been evaluated as not being affected in the default configuration

- OpenScape Xpert Multi Line Controller

All windows based applications are not affected.

The following products may be affected under specific conditions

- OpenScape Voice / ESRP are not affected in the default configuration (A fix is planned)

The following product are not directly affected, however the operating system may be affected under specific conditions

- OpenScape Business S
- OpenScape UC Application
- OpenScape Common Management Portal
Recommended Actions

Check whether you are affected:

- Check whether iscsi is used at all
- If iscsi is used check whether iscsiui0 is running on your system used in conjunction with a relevant Broadcom/QLogic network controller

If the system is affected:

- Check Suse Security Advisories for updates (see references below)
- Update openiscsi package to version 2.1.3 (when updates are available)

References

General Information

- AMNESIA:33 | RESEARCH REPORT
- ICS Advisory (ICSA-20-343-01)

openiscsi related information

- https://fossies.org/linux/open-iscsi/iscsiuio/README

Suse Security Advisories


Advisory: OBSO-2101-01, status: general release
Security Advisories are released as part of Atos Unify’s Vulnerability Intelligence Process. For more information see https://www.unify.com/security/advisories.

Contact and Disclaimer

OpenScape Baseline Security Office
obso@atos.net
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