

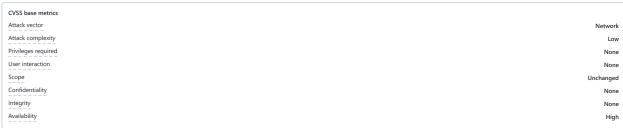
## Missing Release of Memory after Effective Lifetime in detect-characterencoding



Description
Impact
In detect-character-encoding v0.3.0 and earlier, allocated memory is not released.
in detect changes chedulig 10.30 and came, undetected memory 13 not released.
Patches
The problem has been patched in detect-character-encoding v0.3.1.
The problem has been partner in detect-character-encoding vo.s.1.
CVSS score
CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H/RL:O/RC:C
Base Score: 7.5 (High)
Temporal Score: 7.2 (High)
Since detect-character-encoding is a library, the scoring is based on the "reasonable worst-case implementation scenario", namely, using detect-character-encoding in a program accessible
over the internet which becomes unavailable when running out of memory. Depending on your specific implementation, the vulnerability's severity in your program may be different.
Proof of concept
<pre>const express = require("express"); const detectCharacterEncoding = require("detect-character-encoding");</pre>
<pre>const app = express();</pre>
app.get("/", (req, res) => {
<pre>detectCharacterEncoding(Buffer.from("foo"));</pre>
res.end();
});
app.listen(3000);
hey -n 10000000 http://localhost:3000 ( hey ) causes the Node js process to consume more and more memory.
References
References
• d443569
• #6

## Severity





CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVE ID

CVE-2021-39176

Weaknesses

CWE-401