

[\[prev in list\]](#) [\[next in list\]](#) [\[prev in thread\]](#) [\[next in thread\]](#)

List: [ncurses-bug](#)
Subject: [Re: SPAM: \[security\]\[ncurses\] infocmp -i stack buffer overflow \(CVE-121\), request CVE](#)
From: [Sven Joachim <svenjoac\(.\)gmx ! de>](#)
Date: [2025-12-10 22:07:55](#)
Message-ID: [87sedihtxg.fsf\(.\)turtle ! gmx ! de](#)
[Download RAW [message](#) or [body](#)]

On 2025-12-10 15:00 -0500, Thomas Dickey wrote:

> On Wed, Dec 10, 2025 at 10:40:49PM +0800, Yixuan Cao wrote:
>> Hi Thomas and ncurses maintainers,
>>
>>
>> I am reporting a stack buffer overflow in ncurses (infocmp -i /
>> analyze_string). This is a private, responsible disclosure. Please advise
>> your preferred coordination timeline.
>
> this is a publicly-viewable mailing list
>
>> Summary
>> - Affected component: progs/infocmp.c, function analyze_string()
>> - Issue: copies unbounded CSI parameter substrings into 4096-byte
>> stack buffers (buf2/buf3). On glibc builds _nc_STRNCPY falls back to
>> strncpy, so a long SGR parameter list overflows buf2.

That does not seem to be correct: _nc_STRNCPY falls back to strncpy
rather than strncpy, so no overflow occurs unless I am missing something.

>> - Impact: Local attacker controlling a terminfo entry can cause
>> denial of service and potentially gain code execution under the
>> privileges of the user running infocmp. The attack surface is any
>> terminfo path accessible to the attacker (e.g., \$HOME/.terminfo or
>> TERMINFO).
>>
>>
>> Affected version
>> - Reproduced on ncurses 6.4 (official tarball from
>> <https://invisible-mirror.net/archives/ncurses/ncurses-6.4.tar.gz>). Please
>> confirm other versions/branches.
>
> that's old (I'll check to see what might apply to 6.5)

Cheers,
Sven

[\[prev in list\]](#) [\[next in list\]](#) [\[prev in thread\]](#) [\[next in thread\]](#)

[Configure](#) | [About](#) | [News](#) | [Add a list](#) | Sponsored by [KoreLogic](#)